Description GTP-U Out of state Drop

Type: number

Format: counter

gtp-u-rr-message-drop

Description GTP-U Message Dropped in RR Mode

Type: number

Format: counter

gtp-u-smp-check-failed

Description GTP U-SMP check Failed

Type: number

Format: counter

gtp-u-smp-sig-check-failed

Description GTP SMP signature check Failed

Type: number

Format: counter

gtp-u-stateless-forward

Description GTP-U Stateless Forward

Type: number

Format: counter

gtp-u-tunnel-frag-or-jumbo-pkt-processed

Description GTP-U Tunnel Fragmented or Jumbo packet processed

Type: number

Format: counter

gtp-u-tunnel-rate-limit-entry-create-failure

Description GTP-U Tunnel Level Rate Limit Entry Create Failure

Type: number

Format: counter

gtp-u-uplink-egress-bytes

Description GTP-U Uplink Egress Bytes

Type: number

Format: counter

gtp-u-uplink-egress-packets

Description GTP-U Uplink Egress Packets

Type: number

Format: counter

gtp-u-uplink-ingress-bytes

Description GTP-U Uplink Ingress Bytes

Type: number

Format: counter

gtp-u-uplink-ingress-packets

Description GTP-U Uplink Ingress Packets

Type: number

Format: counter

gtp-v0-c-downlink-egress-bytes

Description GTPv0-C Downlink Egress Bytes

Type: number

Format: counter

gtp-v0-c-downlink-egress-packets

Description GTPv0-C Downlink Egress Packets

Type: number

Format: counter

gtp-v0-c-downlink-ingress-bytes

Description GTPv0-C Downlink Ingress Bytes

Type: number

Format: counter

gtp-v0-c-downlink-ingress-packets

Description GTPv0-C Downlink Ingress Packets

Type: number

Format: counter

gtp-v0-c-uplink-egress-bytes

Description GTPv0-C Uplink Egress Bytes

Type: number

Format: counter

gtp-v0-c-uplink-egress-packets

Description GTPv0-C Uplink Egress Packets

Type: number

Format: counter

gtp-v0-c-uplink-ingress-bytes

Description GTPv0-C Uplink Ingress Bytes

Type: number

Format: counter

gtp-v0-c-uplink-ingress-packets

Description GTPv0-C Uplink Ingress Packets

Type: number

Format: counter

gtp-v0-c-ver-not-supp

Description GTPv0-C Version not supported indication

Type: number

Format: counter

gtp-v1-c-downlink-egress-bytes

Description GTPv1-C Downlink Egress Bytes

Type: number

Format: counter

gtp-v1-c-downlink-egress-packets

Description GTPv1-C Downlink Egress Packets

Type: number

Format: counter

gtp-v1-c-downlink-ingress-bytes

Description GTPv1-C Downlink Ingress Bytes

Type: number

Format: counter

gtp-v1-c-downlink-ingress-packets

Description GTPv1-C Downlink Ingress Packets

Type: number

Format: counter

gtp-v1-c-nsapi-not-found-in-delete-req

Description GTPv1-C NSAPI Not Found in GTP Request

Type: number

Format: counter

gtp-v1-c-uplink-egress-bytes

Description GTPv1-C Uplink Egress Bytes

Type: number

Format: counter

gtp-v1-c-uplink-egress-packets

Description GTPv1-C Uplink Egress Packets

Type: number

Format: counter

gtp-v1-c-uplink-ingress-bytes

Description GTPv1-C Uplink Ingress Bytes

Type: number

Format: counter

gtp-v1-c-uplink-ingress-packets

Description GTPv1-C Uplink Ingress Packets

Type: number

Format: counter

gtp-v1-c-ver-not-supp

Description GTPv1-C Version not supported indication

Type: number

Format: counter

gtp-v2-c-bearer-not-found-in-delete-req

Description GTPv2-C Bearer Not Found in GTP Request

Type: number

Format: counter

gtp-v2-c-bearer-not-found-in-delete-resp

Description GTPv2-C Bearer Not Found in GTP Response

Type: number

Format: counter

gtp-v2-c-downlink-egress-bytes

Description GTPv2-C Downlink Egress Bytes

Type: number

Format: counter

gtp-v2-c-downlink-egress-packets

Description GTPv2-C Downlink Egress Packets

Type: number

Format: counter

gtp-v2-c-downlink-ingress-bytes

Description GTPv2-C Downlink Ingress Bytes

Type: number

Format: counter

gtp-v2-c-downlink-ingress-packets

Description GTPv2-C Downlink Ingress Packets

Type: number

Format: counter

gtp-v2-c-uplink-egress-bytes

Description GTPv2-C Uplink Egress Bytes

Type: number

Format: counter

gtp-v2-c-uplink-egress-packets

Description GTPv2-C Uplink Egress Packets

Type: number

Format: counter

gtp-v2-c-uplink-ingress-bytes

Description GTPv2-C Uplink Ingress Bytes

Type: number

Format: counter

gtp-v2-c-uplink-ingress-packets

Description GTPv2-C Uplink Ingress Packets

Type: number

Format: counter

gtp-v2-c-ver-not-supp

Description GTPv2-C Version not supported indication

Type: number

Format: counter

no-fwd-route

Description No Forward Route

Type: number

Format: counter

no-rev-route

Description No Reverse Route

Type: number

Format: counter

out-of-session-memory

Description Out of Tunnel Memory

Type: number

Format: counter

network-element

Specification	Value
Type	*object*

stats

Description: stats is a **JSON Block**. Please see below for *network-element_stats*

Type: Object

network-element_stats

Specification	Value
Type	*object*

apn-imsi-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at APN-IMSI filtering policy

Type: number

Format: counter

downlink-bytes

Description Downlink Bytes

Type: number

Format: counter

downlink-pkts

Description Downlink Packets

Type: number

Format: counter

drop-flt-apn-filtering

Description Filtering Drop: APN IMSI Filtering

Type: number

Format: counter

drop-flt-gtp-in-gtp

Description Filtering Drop: GTP in GTP Tunnel Present

Type: number

Format: counter

drop-flt-message-filtering

Description Filtering Drop: Message Type Not Permitted on Interface

Type: number

Format: counter

drop-flt-msisdn-filtering

Description Filtering Drop: MSISDN Filtering

Type: number

Format: counter

drop-flt-rat-type-filtering

Description Filtering Drop: RAT Type Filtering

Type: number

Format: counter

drop-rl-gtp-u-downlink-byte

Description Rate-limit Drop: GTP-U Downlink byte rate

Type: number

Format: counter

drop-rl-gtp-u-downlink-packet

Description Rate-limit Drop: GTP-U Downlink packet rate

Type: number

Format: counter

drop-rl-gtp-u-max-concurrent-tunnels

Description Rate-limit Drop: GTP-U Concurrent Tunnels

Type: number

Format: counter

drop-rl-gtp-u-total-byte

Description Rate-limit Drop: GTP-U Total byte rate

Type: number

Format: counter

drop-rl-gtp-u-total-packet

Description Rate-limit Drop: GTP-U Total packet rate

Type: number

Format: counter

drop-rl-gtp-u-tunnel-create

Description Rate-limit Drop: GTP-U Tunnel Creation rate

Type: number

Format: counter

drop-rl-gtp-u-uplink-byte

Description Rate-limit Drop: GTP-U Uplink byte rate

Type: number

Format: counter

drop-rl-gtp-u-uplink-packet

Description Rate-limit Drop: GTP-U Uplink packet rate

Type: number

Format: counter

drop-rl-gtp-v0-c-agg

Description Rate-limit Drop: Maximum GTPv0-C messages rate

Type: number

Format: counter

drop-rl-gtp-v1-c-agg

Description Rate-limit Drop: Maximum GTPv1-C messages rate

Type: number

Format: counter

drop-rl-gtp-v1-c-create-pdp-request

Description Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: number

Format: counter

drop-rl-gtp-v1-c-update-pdp-request

Description Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: number

Format: counter

drop-rl-gtp-v2-c-agg

Description Rate-limit Drop: Maximum GTPv2-C messages rate

Type: number

Format: counter

drop-rl-gtp-v2-c-create-session-request

Description Rate-limit Drop: GTPv2-C Create Session Req rate

Type: number

Format: counter

drop-rl-gtp-v2-c-modify-bearer-request

Description Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: number

Format: counter

drop-vld-country-code-mismatch

Description Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: number

Format: counter

drop-vld-cross-layer-correlation

Description Validation Drop: Cross Layer IP Address Mismatch

Type: number

Format: counter

drop-vld-gtp-invalid-apn-len-drop

Description Validation Drop: GTP-C Invalid APN Length Drop

Type: number

Format: counter

drop-vld-gtp-invalid-imsi-len-drop

Description Validation Drop: GTP-C Invalid IMSI Length Drop

Type: number

Format: counter

drop-vld-gtp-u-spoofed-source-address

Description Validation Drop: GTP-U IP Address Spoofed

Type: number

Format: counter

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Validation Drop: GTPv0-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v0-c-message-dropped-apn-filtering-no-apn

Description Validation Drop: GTPv0-C APN/IMSI Filtering dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v0-c-message-length-mismatch

Description Validation Drop: GTPv0-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v0-c-message-with-teid-zero-expected

Description Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: number

Format: counter

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Validation Drop: GTPv1-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v1-c-message-dropped-apn-filtering-no-apn

Description Validation Drop: GTPv1-C APN/IMSI Filtering dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v1-c-message-length-mismatch

Description Validation Drop: GTPv1-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v1-c-message-with-teid-zero-expected

Description Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: number

Format: counter

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Validation Drop: GTPv2-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v2-c-message-dropped-apn-filtering-no-apn

Description Validation Drop: GTPv2-C APN/IMSI Filtering dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v2-c-message-length-mismatch

Description Validation Drop: GTPv2-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v2-c-message-with-teid-zero-expected

Description Validation Drop: GTPv2-C Create Session Request with TEID

Type: number

Format: counter

drop-vld-gtp-v2-wrong-lbi-create-bearer-req

Description Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: number

Format: counter

drop-vld-gtpv0-seqnum-buffer-full

Description Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv0-subscriber-attr-miss

Description Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-gtpv1-seqnum-buffer-full

Description Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv1-subscriber-attr-miss

Description Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-gtpv2-seqnum-buffer-full

Description Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv2-subscriber-attr-miss

Description Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-invalid-flow-label-v0

Description Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: number

Format: counter

drop-vld-invalid-pkt-len-piggyback

Description Validation Drop: Piggyback message invalid packet length

Type: number

Format: counter

drop-vld-invalid-teid

Description Validation Drop: Invalid TEID Value

Type: number

Format: counter

drop-vld-mandatory-information-element

Description Validation Drop: Mandatory IE Not Present

Type: number

Format: counter

drop-vld-message-length

Description Validation Drop: Message Length Exceeded

Type: number

Format: counter

drop-vld-out-of-order-ie

Description Validation Drop: GTPv1-C Message Out of Order IE

Type: number

Format: counter

drop-vld-out-of-state

Description Validation Drop: Out Of State GTP Message

Type: number

Format: counter

drop-vld-out-of-state-ie

Description Validation Drop: Unexpected IE Present in Message

Type: number

Format: counter

drop-vld-protocol-flag-unset

Description Validation Drop: Protocol flag in Header Field not Set

Type: number

Format: counter

drop-vld-reserved-field-set

Description Validation Drop: Reserved Header Field Set

Type: number

Format: counter

drop-vld-reserved-information-element

Description Validation Drop: Reserved IE Field Present

Type: number

Format: counter

drop-vld-sanity-failed-piggyback

Description Validation Drop: piggyback message anomaly failed

Type: number

Format: counter

drop-vld-sequence-num-correlation

Description Validation Drop: GTP-C Sequence number Mismatch

Type: number

Format: counter

drop-vld-tunnel-id-flag

Description Validation Drop: Tunnel Header Flag Not Set

Type: number

Format: counter

drop-vld-unsupported-message-type

Description Validation Drop: Message type not supported by GTP Version

Type: number

Format: counter

drop-vld-v0-reserved-message-drop

Description Validation Drop: GTPv0-C Reserved Message Drop

Type: number

Format: counter

drop-vld-v1-reserved-message-drop

Description Validation Drop: GTPv1-C Reserved Message Drop

Type: number

Format: counter

drop-vld-v2-reserved-message-drop

Description Validation Drop: GTPv2-C Reserved Message Drop

Type: number

Format: counter

drop-vld-version-not-supported

Description Validation Drop: Invalid GTP version

Type: number

Format: counter

drop_vld-gtp-bearer-count-exceed

Description Validation Drop: GTP Bearer count exceeded max (11)

Type: number

Format: counter

flt-message-monitor

Description GTP-C Message forwarded via monitor mode at message filtering policy

Type: number

Format: counter

gen-message-length-monitor

Description GTP Message forwarded via monitor mode at general policy

Type: number

Format: counter

gtp-c-handover-in-progress-with-conn

Description GTP-C matching a conn with Handover In Progress

Type: number

Format: counter

gtp-in-gtp-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at GTP-IN_GTP filtering policy

Type: number

Format: counter

gtp-node-restart-gtp-c

Description GTP Node Restoration due to Recovery IE in GTP-C Message

Type: number

Format: counter

gtp-path-management-message

Description GTP Path Management Messages Received

Type: number

Format: counter

gtp-u-tunnel-created

Description GTP-U Tunnel Created

Type: number

Format: counter

gtp-u-tunnel-deleted

Description GTP-U Tunnel Deleted

Type: number

Format: counter

gtp-v0-c-create-pdp-resp-unsuccess

Description GTPv0-C Create PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v0-c-half-open-tunnel-closed

Description GTPv0-C Half open tunnel closed

Type: number

Format: counter

gtp-v0-c-message-skipped-apn-filtering-no-imsi

Description GTPv0-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v0-c-message-skipped-msisdn-filtering-no-msisdn

Description GTPv0-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v0-c-packet-dummy-msisdn

Description GTPv0-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v0-c-pdu-notification-reject-request-forward

Description GTPv0-C PDU Notification Reject Request Forward

Type: number

Format: counter

gtp-v0-c-pdu-notification-request-forward

Description GTPv0-C PDU Notification Request Forward

Type: number

Format: counter

gtp-v0-c-reserved-message-allow

Description GTPv0-C Reserved Message Allow

Type: number

Format: counter

gtp-v0-c-tunnel-closed

Description GTPv0-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v0-c-tunnel-created

Description GTPv0-C Tunnel Created

Type: number

Format: counter

gtp-v0-c-tunnel-deleted

Description GTPv0-C Tunnel Deleted

Type: number

Format: counter

gtp-v0-c-tunnel-deleted-restart

Description GTPv0-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v0-c-tunnel-half-closed

Description GTPv0-C Tunnel Delete Request

Type: number

Format: counter

gtp-v0-c-tunnel-half-open

Description GTPv0-C Half open tunnel created

Type: number

Format: counter

gtp-v0-c-update-pdp-resp-unsuccess

Description GTPv0-C Update PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v1-c-create-pdp-resp-unsuccess

Description GTPv1-C Create PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v1-c-half-open-tunnel-closed

Description GTPv1-C Half open tunnel closed

Type: number

Format: counter

gtp-v1-c-message-skipped-apn-filtering-no-imsi

Description GTPv1-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v1-c-message-skipped-msisdn-filtering-no-msisdn

Description GTPv1-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v1-c-packet-dummy-msisdn

Description GTPv0-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v1-c-pdu-notification-reject-request-forward

Description GTPv1-C PDU Notification Reject Request Forward

Type: number

Format: counter

gtp-v1-c-pdu-notification-request-forward

Description GTPv1-C PDU Notification Request Forward

Type: number

Format: counter

gtp-v1-c-reserved-message-allow

Description GTPv1-C Reserved Message Allow

Type: number

Format: counter

gtp-v1-c-tunnel-closed

Description GTPv1-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v1-c-tunnel-created

Description GTPv1-C Tunnel Created

Type: number

Format: counter

gtp-v1-c-tunnel-deleted

Description GTPv1-C Tunnel Deleted

Type: number

Format: counter

gtp-v1-c-tunnel-deleted-restart

Description GTPv1-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v1-c-tunnel-half-closed

Description GTPv1-C Tunnel Delete Request

Type: number

Format: counter

gtp-v1-c-tunnel-half-open

Description GTPv1-C Half open tunnel created

Type: number

Format: counter

gtp-v1-c-update-pdp-resp-unsuccess

Description GTPv1-C Update PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v2-c-create-sess-resp-unsuccess

Description GTPv2-C Create Session Response Unsuccessful

Type: number

Format: counter

gtp-v2-c-half-open-tunnel-closed

Description GTPv2-C Half open tunnel closed

Type: number

Format: counter

gtp-v2-c-message-skipped-apn-filtering-no-imsi

Description GTPv2-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v2-c-message-skipped-msisdn-filtering-no-msisdn

Description GTPv2-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v2-c-mod_bearer-resp-unsuccess

Description GTPv2-C Modify Bearer Response Unsuccessful

Type: number

Format: counter

gtp-v2-c-packet-dummy-msisdn

Description GTPv0-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v2-c-piggyback-message

Description GTPv2-C Piggyback Messages

Type: number

Format: counter

gtp-v2-c-reserved-message-allow

Description GTPv2-C Reserved Message Allow

Type: number

Format: counter

gtp-v2-c-tunnel-closed

Description GTPv2-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v2-c-tunnel-created

Description GTPv2-C Tunnel Created

Type: number

Format: counter

gtp-v2-c-tunnel-deleted

Description GTPv2-C Tunnel Deleted

Type: number

Format: counter

gtp-v2-c-tunnel-deleted-restart

Description GTPv2-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v2-c-tunnel-half-closed

Description GTPv2-C Tunnel Delete Request

Type: number

Format: counter

gtp-v2-c-tunnel-half-open

Description GTPv2-C Half open tunnel created

Type: number

Format: counter

key-name

Description

Type: string

Format: counter

key-type

Description

Type: string

Format: counter

msisdn-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at Msisdn filtering policy

Type: number

Format: counter

rat-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at rat filtering policy

Type: number

Format: counter

rl-message-monitor

Description GTP Message forwarded via monitor mode at rate-limit policy

Type: number

Format: counter

u-downlink-bytes

Description Downlink Bytes

Type: number

Format: counter

u-downlink-pkts

Description GTP-U Downlink Packets

Type: number

Format: counter

u-uplink-bytes

Description Uplink Bytes

Type: number

Format: counter

u-uplink-pkts

Description Uplink Packets

Type: number

Format: counter

uplink-bytes

Description Uplink Bytes

Type: number

Format: counter

uplink-pkts

Description Uplink Packets

Type: number

Format: counter

vld-message-monitor

Description GTP Message forwarded via monitor mode at validation policy

Type: number

Format: counter

apn-prefix

Specification	Value
Type	*object*

stats

Description: stats is a **JSON Block**. Please see below for *apn-prefix_stats*

Type: Object

apn-prefix_stats

Specification	Value
Type	*object*

apn-imsi-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at APN-IMSI filtering policy

Type: number

Format: counter

downlink-bytes

Description Downlink Bytes

Type: number

Format: counter

downlink-pkts

Description Downlink Packets

Type: number

Format: counter

drop-flt-apn-filtering

Description Filtering Drop: APN IMSI Filtering

Type: number

Format: counter

drop-flt-gtp-in-gtp

Description Filtering Drop: GTP in GTP Tunnel Present

Type: number

Format: counter

drop-flt-message-filtering

Description Filtering Drop: Message Type Not Permitted on Interface

Type: number

Format: counter

drop-flt-msisdn-filtering

Description Filtering Drop: MSISDN Filtering

Type: number

Format: counter

drop-flt-rat-type-filtering

Description Filtering Drop: RAT Type Filtering

Type: number

Format: counter

drop-rl-gtp-u-downlink-byte

Description Rate-limit Drop: GTP-U Downlink byte rate

Type: number

Format: counter

drop-rl-gtp-u-downlink-packet

Description Rate-limit Drop: GTP-U Downlink packet rate

Type: number

Format: counter

drop-rl-gtp-u-max-concurrent-tunnels

Description Rate-limit Drop: GTP-U Concurrent Tunnels

Type: number

Format: counter

drop-rl-gtp-u-total-byte

Description Rate-limit Drop: GTP-U Total byte rate

Type: number

Format: counter

drop-rl-gtp-u-total-packet

Description Rate-limit Drop: GTP-U Total packet rate

Type: number

Format: counter

drop-rl-gtp-u-tunnel-create

Description Rate-limit Drop: GTP-U Tunnel Creation rate

Type: number

Format: counter

drop-rl-gtp-u-uplink-byte

Description Rate-limit Drop: GTP-U Uplink byte rate

Type: number

Format: counter

drop-rl-gtp-u-uplink-packet

Description Rate-limit Drop: GTP-U Uplink packet rate

Type: number

Format: counter

drop-rl-gtp-v0-c-agg

Description Rate-limit Drop: Maximum GTPv0-C messages rate

Type: number

Format: counter

drop-rl-gtp-v1-c-agg

Description Rate-limit Drop: Maximum GTPv1-C messages rate

Type: number

Format: counter

drop-rl-gtp-v1-c-create-pdp-request

Description Rate-limit Drop: GTPv1-C Create PDP Req rate

Type: number

Format: counter

drop-rl-gtp-v1-c-update-pdp-request

Description Rate-limit Drop: GTPv1-C Update PDP Req rate

Type: number

Format: counter

drop-rl-gtp-v2-c-agg

Description Rate-limit Drop: Maximum GTPv2-C messages rate

Type: number

Format: counter

drop-rl-gtp-v2-c-create-session-request

Description Rate-limit Drop: GTPv2-C Create Session Req rate

Type: number

Format: counter

drop-rl-gtp-v2-c-modify-bearer-request

Description Rate-limit Drop: GTPv2-C Modify Bearer Req rate

Type: number

Format: counter

drop-vld-country-code-mismatch

Description Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: number

Format: counter

drop-vld-cross-layer-correlation

Description Validation Drop: Cross Layer IP Address Mismatch

Type: number

Format: counter

drop-vld-gtp-bearer-count-exceed

Description Validation Drop: GTP Bearer count exceeded max (11)

Type: number

Format: counter

drop-vld-gtp-invalid-apn-len-drop

Description Validation Drop: GTP-C Invalid APN Length Drop

Type: number

Format: counter

drop-vld-gtp-invalid-imsi-len-drop

Description Validation Drop: GTP-C Invalid IMSI Length Drop

Type: number

Format: counter

drop-vld-gtp-u-spoofed-source-address

Description Validation Drop: GTP-U IP Address Spoofed

Type: number

Format: counter

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description Validation Drop: GTPv0-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v0-c-message-dropped-apn-filtering-no-apn

Description GTPv0-C APN/IMSI Filtering dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v0-c-message-length-mismatch

Description Validation Drop: GTPv0-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v0-c-message-with-teid-zero-expected

Description Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: number

Format: counter

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description Validation Drop: GTPv1-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v1-c-message-dropped-apn-filtering-no-apn

Description GTPv1-C APN/IMSI Filtering dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v1-c-message-length-mismatch

Description Validation Drop: GTPv1-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v1-c-message-with-teid-zero-expected

Description Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: number

Format: counter

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description Validation Drop: GTPv2-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v2-c-message-dropped-apn-filtering-no-apn

Description GTPv2-C APN/IMSI Filtering dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v2-c-message-length-mismatch

Description Validation Drop: GTPv2-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v2-c-message-with-teid-zero-expected

Description Validation Drop: GTPv2-C Create Session Request with TEID

Type: number

Format: counter

drop-vld-gtp-v2-wrong-lbi-create-bearer-req

Description Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: number

Format: counter

drop-vld-gtpv0-seqnum-buffer-full

Description Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv0-subscriber-attr-miss

Description Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-gtpv1-seqnum-buffer-full

Description Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv1-subscriber-attr-miss

Description Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-gtpv2-seqnum-buffer-full

Description Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv2-subscriber-attr-miss

Description Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-invalid-flow-label-v0

Description Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: number

Format: counter

drop-vld-invalid-pkt-len-piggyback

Description Validation Drop: Piggyback message invalid packet length

Type: number

Format: counter

drop-vld-invalid-teid

Description Validation Drop: Invalid TEID Value

Type: number

Format: counter

drop-vld-mandatory-information-element

Description Validation Drop: Mandatory IE Not Present

Type: number

Format: counter

drop-vld-message-length

Description Validation Drop: Message Length Exceeded

Type: number

Format: counter

drop-vld-out-of-order-ie

Description Validation Drop: GTPv1-C Message Out of Order IE

Type: number

Format: counter

drop-vld-out-of-state

Description Validation Drop: Out Of State GTP Message

Type: number

Format: counter

drop-vld-out-of-state-ie

Description Validation Drop: Unexpected IE Present in Message

Type: number

Format: counter

drop-vld-protocol-flag-unset

Description Validation Drop: Protocol flag in Header Field not Set

Type: number

Format: counter

drop-vld-reserved-field-set

Description Validation Drop: Reserved Header Field Set

Type: number

Format: counter

drop-vld-reserved-information-element

Description Validation Drop: Reserved IE Field Present

Type: number

Format: counter

drop-vld-sanity-failed-piggyback

Description Validation Drop: piggyback message anomaly failed

Type: number

Format: counter

drop-vld-sequence-num-correlation

Description Validation Drop: GTP-C Sequence number Mismatch

Type: number

Format: counter

drop-vld-tunnel-id-flag

Description Validation Drop: Tunnel Header Flag Not Set

Type: number

Format: counter

drop-vld-unsupported-message-type

Description Validation Drop: Message type not supported by GTP Version

Type: number

Format: counter

drop-vld-v0-reserved-message-drop

Description Validation Drop: GTPv0-C Reserved Message Drop

Type: number

Format: counter

drop-vld-v1-reserved-message-drop

Description Validation Drop: GTPv1-C Reserved Message Drop

Type: number

Format: counter

drop-vld-v2-reserved-message-drop

Description Validation Drop: GTPv2-C Reserved Message Drop

Type: number

Format: counter

drop-vld-version-not-supported

Description Validation Drop: Invalid GTP version

Type: number

Format: counter

flt-message-monitor

Description GTP-C Message forwarded via monitor mode at message filtering policy

Type: number

Format: counter

gen-message-length-monitor

Description GTP Message forwarded via monitor mode at validation policy

Type: number

Format: counter

gtp-c-handover-in-progress-with-conn

Description GTP-C matching a conn with Handover In Progress

Type: number

Format: counter

gtp-in-gtp-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at GTP-IN_GTP filtering policy

Type: number

Format: counter

gtp-path-management-message

Description GTP Path Management Messages Received

Type: number

Format: counter

gtp-u-tunnel-created

Description GTP-U Tunnel Created

Type: number

Format: counter

gtp-u-tunnel-deleted

Description GTP-U Tunnel Deleted

Type: number

Format: counter

gtp-v0-c-create-pdp-resp-unsuccess

Description GTPV0-C Create PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v0-c-half-open-tunnel-closed

Description GTPv0-C Half open tunnel closed

Type: number

Format: counter

gtp-v0-c-message-skipped-apn-filtering-no-imsi

Description GTPv0-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v0-c-message-skipped-msisdn-filtering-no-msisdn

Description GTPv0-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v0-c-packet-dummy-msisdn

Description GTPv0-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v0-c-pdu-notification-reject-request-forward

Description GTPv0-C PDU Notification Reject Request Forward

Type: number

Format: counter

gtp-v0-c-pdu-notification-request-forward

Description GTPv0-C PDU Notification Request Forward

Type: number

Format: counter

gtp-v0-c-reserved-message-allow

Description GTPv0-C Reserved Message Allow

Type: number

Format: counter

gtp-v0-c-tunnel-closed

Description GTPv0-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v0-c-tunnel-created

Description GTPv0-C Tunnel Created

Type: number

Format: counter

gtp-v0-c-tunnel-deleted

Description GTPv0-C Tunnel Deleted

Type: number

Format: counter

gtp-v0-c-tunnel-deleted-restart

Description GTPv0-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v0-c-tunnel-half-closed

Description GTPv0-C Tunnel Delete Request

Type: number

Format: counter

gtp-v0-c-tunnel-half-open

Description GTPv0-C Half open tunnel created

Type: number

Format: counter

gtp-v0-c-update-pdp-resp-unsuccess

Description GTPV0-C Update PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v1-c-create-pdp-resp-unsuccess

Description GTPV1-C Create PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v1-c-half-open-tunnel-closed

Description GTPv1-C Half open tunnel closed

Type: number

Format: counter

gtp-v1-c-message-skipped-apn-filtering-no-imsi

Description GTPv1-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v1-c-message-skipped-msisdn-filtering-no-msisdn

Description GTPv1-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v1-c-packet-dummy-msisdn

Description GTPv1-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v1-c-pdu-notification-reject-request-forward

Description GTPv1-C PDU Notification Reject Request Forward

Type: number

Format: counter

gtp-v1-c-pdu-notification-request-forward

Description GTPv1-C PDU Notification Request Forward

Type: number

Format: counter

gtp-v1-c-reserved-message-allow

Description GTPv1-C Reserved Message Allow

Type: number

Format: counter

gtp-v1-c-tunnel-closed

Description GTPv1-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v1-c-tunnel-created

Description GTPv1-C Tunnel Created

Type: number

Format: counter

gtp-v1-c-tunnel-deleted

Description GTPv1-C Tunnel Deleted

Type: number

Format: counter

gtp-v1-c-tunnel-deleted-restart

Description GTPv1-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v1-c-tunnel-half-closed

Description GTPv1-C Tunnel Delete Request

Type: number

Format: counter

gtp-v1-c-tunnel-half-open

Description GTPv1-C Half open tunnel created

Type: number

Format: counter

gtp-v1-c-update-pdp-resp-unsuccess

Description GTPV1-C Update PDP Context response Unsuccessful

Type: number

Format: counter

gtp-v2-c-create-sess-resp-unsuccess

Description GTPV2-C Create Session Response Unsuccessful

Type: number

Format: counter

gtp-v2-c-half-open-tunnel-closed

Description GTPv2-C Half open tunnel closed

Type: number

Format: counter

gtp-v2-c-message-skipped-apn-filtering-no-imsi

Description GTPv2-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v2-c-message-skipped-msisdn-filtering-no-msisdn

Description GTPv2-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v2-c-mod_bearer-resp-unsuccess

Description GTPV2-C Modify Bearer Response Unsuccessful

Type: number

Format: counter

gtp-v2-c-packet-dummy-msisdn

Description GTPv2-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v2-c-piggyback-message

Description GTPv2-C Piggyback Messages seen

Type: number

Format: counter

gtp-v2-c-reserved-message-allow

Description GTPv2-C Reserved Message Allow

Type: number

Format: counter

gtp-v2-c-tunnel-closed

Description GTPv2-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v2-c-tunnel-created

Description GTPv2-C Tunnel Created

Type: number

Format: counter

gtp-v2-c-tunnel-deleted

Description GTPv2-C Tunnel Deleted

Type: number

Format: counter

gtp-v2-c-tunnel-deleted-restart

Description GTPv2-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v2-c-tunnel-half-closed

Description GTPv2-C Tunnel Delete Request

Type: number

Format: counter

gtp-v2-c-tunnel-half-open

Description GTPv2-C Half open tunnel created

Type: number

Format: counter

key-name

Description

Type: string

Format: counter

msisdn-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at Msisdn filtering policy

Type: number

Format: counter

rat-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at rat filtering policy

Type: number

Format: counter

rl-message-monitor

Description GTP Message forwarded via monitor mode at rate-limit policy

Type: number

Format: counter

u-downlink-bytes

Description Downlink Bytes

Type: number

Format: counter

u-downlink-pkts

Description GTP-U Downlink Packets

Type: number

Format: counter

u-uplink-bytes

Description Uplink Bytes

Type: number

Format: counter

u-uplink-pkts

Description Uplink Packets

Type: number

Format: counter

uplink-bytes

Description Uplink Bytes

Type: number

Format: counter

uplink-pkts

Description Uplink Packets

Type: number

Format: counter

vld-message-monitor

Description GTP Message forwarded via monitor mode at validation policy

Type: number

Format: counter

2.53.38 fw hairpin

Configure firewall hairpin parameters

hairpin Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	hairpin
Element URI	/axapi/v3/fw/hairpin
Element Attributes	hairpin_attributes
Partition Visibility	shared
Schema	`hairpin schema`

Operations Allowed:

Get Object

GET

/axapi/v3/fw/hairpin

hairpin_attributes

hairpin attributes

next-hop-follow

Description: next-hop-follow is a **JSON Block**. Please see below for *next-hop-follow*

Type: Object

Reference Object: */axapi/v3/fw/hairpin/next-hop-follow*

next-hop-follow

Specification	Value
Type	*object*

disable-local-hairpin

Description Disable local hairpin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4

Description IPV4 network

Type: string

Format: ipv4-cidr

ipv6

Description IPV6 network

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.39 fw hairpin next-hop-follow

Configure IP/IPv6 address to lookup for next hop of firewall hairpin traffic

next-hop-follow Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	next-hop-follow
Element URI	/axapi/v3/fw/hairpin/next-hop-follow
Element Attributes	next-hop-follow_attributes
Partition Visibility	shared
Schema	`next-hop-follow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/hairpin/next-hop-follow

next-hop-follow attributes

```
POST /axapi/v3/fw/hairpin/next-hop-follow
Payload:
{
    "next-hop-follow": {
        "ipv4": "6.0.0.0/8"
    }
}
```

Get Object

GET

/axapi/v3/fw/hairpin/next-hop-follow

next-hop-follow attributes

```
GET /axapi/v3/fw/hairpin/next-hop-follow
Reponse:
{
    "next-hop-follow": {
        "ipv4": "6.0.0.0/8",
        "uuid": "462572f8-08de-11f0-8baa-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/hairpin/next-hop-follow"
    }
}
```

Modify Object

POST

/axapi/v3/fw/hairpin/next-hop-follow

next-hop-follow attributes

Replace Object

PUT

/axapi/v3/fw/hairpin/next-hop-follow

next-hop-follow attributes

```
PUT /axapi/v3/fw/hairpin/next-hop-follow
Payload:
{
    "next-hop-follow": {
        "ipv4": "8.8.8.0/24"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/hairpin/next-hop-follow

next-hop-follow attributes

next-hop-follow attributes

disable-local-hairpin

Description Disable local hairpin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4

Description IPV4 network

Type: string

Format: ipv4-cidr

ipv6

Description IPV6 network

Type: string

Format: ipv6-address-plen

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.40 fw helper-sessions

Configure firewall helper-session (TAC use only)

helper-sessions Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	helper-sessions
Element URI	/axapi/v3/fw/helper-sessions
Element Attributes	helper-sessions_attributes
Partition Visibility	shared
Schema	`helper-sessions schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/helper-sessions

helper-sessions attributes

```
POST /axapi/v3/fw/helper-sessions
Payload:
{
    "helper-sessions": {
        "mode": "disable"
    }
}
```

Get Object

GET

/axapi/v3/fw/helper-sessions

helper-sessions attributes

```
GET /axapi/v3/fw/helper-sessions
Reponse:
{
    "helper-sessions": {
        "mode": "disable",
        "idle-timeout": 1,
        "uuid": "3cfb34f0-08e4-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/helper-sessions"
    }
}
```

Modify Object

POST

/axapi/v3/fw/helper-sessions

helper-sessions attributes

Replace Object

PUT

/axapi/v3/fw/helper-sessions

helper-sessions attributes

```
PUT /axapi/v3/fw/helper-sessions
Payload:
{
    "helper-sessions": {
        "mode": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/helper-sessions

helper-sessions attributes

```
DELETE /axapi/v3/fw/helper-sessions
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

helper-sessions attributes

idle-timeout

Description helper-sessions idle-timeout time (Idle-timeout in minutes (default: 1 minute))

Type: number

Range: 1-255

Default: 1

limit

Description Limit number of helper-sessions (Limit helper-sessions number)

Type: number

mode

Description 'disable': Disable helper-sessions;

Type: string

Supported Values: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.41 fw hw-accelerate

Firewall HW accelerate counters

hw-accelerate Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hw-accelerate
Element URI	/axapi/v3/fw/hw-accelerate
Element Attributes	hw-accelerate_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/hw-accelerate/stats
Schema	`hw-accelerate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/hw-accelerate

hw-accelerate attributes

```
POST /axapi/v3/fw/hw-accelerate
Payload:
{
    "hw-accelerate": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/fw/hw-accelerate

hw-accelerate attributes

```
GET /axapi/v3/fw/hw-accelerate
Reponse:
{
    "hw-accelerate": {
        "uuid": "46257212-08de-11f0-8baa-c3be1c247dd7",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/fw/hw-accelerate"
    }
}
```

Modify Object

POST

/axapi/v3/fw/hw-accelerate

hw-accelerate attributes

Replace Object

PUT

/axapi/v3/fw/hw-accelerate

hw-accelerate attributes

```
PUT /axapi/v3/fw/hw-accelerate
Payload:
{
    "hw-accelerate": {
        "sampling-enable": [
            {
                "counters1": "entry-create"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/hw-accelerate

hw-accelerate attributes

```
DELETE /axapi/v3/fw/hw-accelerate
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

hw-accelerate attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry-create': HW Entries Created; 'entry-create-failure': HW Entry Creation Failed; 'entry-create-fail-server-down': HW Entry Creation Failed - server down; 'entry-create-fail-max-entry': HW Entry Creation Failed - max entries exceeded; 'entry-free': HW Entries Freed; 'entry-free-opp-entry': HW Entries Freed - opposite tuple entry aged-out; 'entry-free-no-hw-prog': HW Entry Freed - no HW prog; 'entry-free-no-conn': HW Entry Freed - no matched conn; 'entry-free-no-sw-entry': HW Entry Freed - no software entry; 'entry-counter': HW Entries Count; 'entry-age-out': HW Entries Aged Out; 'entry-age-out-idle': HW Entries Aged Out - idle timeout; 'entry-age-out-tcp-fin': HW Entries Aged Out - TCP FIN; 'entry-age-out-tcp-rst': HW Entries Aged Out - TCP RST; 'entry-age-out-invalid-dst': HW Entries Aged Out - invalid dst; 'entry-force-hw-invalidate': HW Entries Force HW Invalidate; 'entry-invalidate-server-down': HW Entries Invalidate due to server down; 'tcam-create': TCAM Flows Created; 'tcam-free': TCAM Flows Freed; 'tcam-counter': TCAM Flow Count;

Type: string

Supported Values: all, entry-create, entry-create-failure, entry-create-fail-server-down, entry-create-fail-max-entry, entry-free, entry-free-opp-entry, entry-free-no-hw-prog, entry-free-no-conn, entry-free-no-sw-entry, entry-counter, entry-age-out, entry-age-out-idle, entry-age-out-tcp-fin, entry-age-out-tcp-rst, entry-age-out-invalid-dst, entry-force-hw-invalidate, entry-invalidate-server-down, tcam-create, tcam-free, tcam-counter

2.53.42 fw hw-accelerate stats

Statistics for the object hw-accelerate

hw-accelerate Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hw-accelerate
Element URI	/axapi/v3/fw/hw-accelerate/stats
Element Attributes	hw-accelerate_attributes
Partition Visibility	None
Schema	`hw-accelerate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/hw-accelerate/stats

hw-accelerate attributes

Get Object

GET

/axapi/v3/fw/hw-accelerate/stats

hw-accelerate attributes

Modify Object

POST

/axapi/v3/fw/hw-accelerate/stats

hw-accelerate attributes

Replace Object

PUT

/axapi/v3/fw/hw-accelerate/stats

hw-accelerate attributes

Delete Object

DELETE

/axapi/v3/fw/hw-accelerate/stats

hw-accelerate attributes

hw-accelerate attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

entry-age-out

Description HW Entries Aged Out

Type: number

Format: counter

entry-age-out-idle

Description HW Entries Aged Out - idle timeout

Type: number

Format: counter

entry-age-out-invalid-dst

Description HW Entries Aged Out - invalid dst

Type: number

Format: counter

entry-age-out-tcp-fin

Description HW Entries Aged Out - TCP FIN

Type: number

Format: counter

entry-age-out-tcp-rst

Description HW Entries Aged Out - TCP RST

Type: number

Format: counter

entry-counter

Description HW Entries Count

Type: number

Format: counter

entry-create

Description HW Entries Created

Type: number

Format: counter

entry-create-fail-max-entry

Description HW Entry Creation Failed - max entries exceeded

Type: number

Format: counter

entry-create-fail-server-down

Description HW Entry Creation Failed - server down

Type: number

Format: counter

entry-create-failure

Description HW Entry Creation Failed

Type: number

Format: counter

entry-force-hw-invalidate

Description HW Entries Force HW Invalidate

Type: number

Format: counter

entry-free

Description HW Entries Freed

Type: number

Format: counter

entry-free-no-conn

Description HW Entry Freed - no matched conn

Type: number

Format: counter

entry-free-no-hw-prog

Description HW Entry Freed - no HW prog

Type: number

Format: counter

entry-free-no-sw-entry

Description HW Entry Freed - no software entry

Type: number

Format: counter

entry-free-opp-entry

Description HW Entries Freed - opposite tuple entry aged-out

Type: number

Format: counter

entry-invalidate-server-down

Description HW Entries Invalidate due to server down

Type: number

Format: counter

tcam-counter

Description TCAM Flow Count

Type: number

Format: counter

tcam-create

Description TCAM Flows Created

Type: number

Format: counter

tcam-free

Description TCAM Flows Freed

Type: number

Format: counter

2.53.43 fw limit-entry

Concurrent Session Limit Information

limit-entry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	limit-entry
Element URI	/axapi/v3/fw/limit-entry
Element Attributes	limit-entry_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/fw/limit-entry/oper
Schema	`limit-entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/limit-entry

limit-entry attributes

Get Object

GET

/axapi/v3/fw/limit-entry

limit-entry attributes

Modify Object

POST

/axapi/v3/fw/limit-entry

limit-entry attributes

Replace Object

PUT

/axapi/v3/fw/limit-entry

limit-entry attributes

Delete Object

DELETE

/axapi/v3/fw/limit-entry

limit-entry attributes

limit-entry attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.44 fw limit-entry oper

Operational Status for the object limit-entry

limit-entry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	limit-entry
Element URI	/axapi/v3/fw/limit-entry/oper
Element Attributes	limit-entry_attributes
Partition Visibility	None
Schema	`limit-entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/limit-entry/oper

limit-entry attributes

Get Object

GET

/axapi/v3/fw/limit-entry/oper

limit-entry attributes

Modify Object

POST

/axapi/v3/fw/limit-entry/oper

limit-entry attributes

Replace Object

PUT

/axapi/v3/fw/limit-entry/oper

limit-entry attributes

Delete Object

DELETE

/axapi/v3/fw/limit-entry/oper

limit-entry attributes

limit-entry attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

limit-entry-count

Description

Type: number

limit-entry-list

Type: List

prefix-len4

Description

Type: number

prefix-len6

Description

Type: number

prefix4

Description

Type: string

Format: ipv4-address

prefix6

Description

Type: string

Format: ipv6-address

rule-name

Description

Type: string

Format: string-rlx

string-value

Description

Type: string

Format: string-rlx

oper_limit-entry-list

Specification	Value
Type	*list*
Block object keys	

address

Description

Type: string

curr-count

Description

Type: number

max-count

Description

Type: number

prefix-len

Description

Type: number

rule-name

Description

Type: string

Format: string-rlx

string-value

Description

Type: string

Format: string-rlx

type

Description

Type: string

2.53.45 fw local-log

Enable local-log for Application Firewall

local-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	local-log
Element URI	/axapi/v3/fw/local-log
Element Attributes	local-log_attributes
Partition Visibility	shared
Schema	`local-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/local-log

local-log attributes

```
POST /axapi/v3/fw/local-log
Payload:
{
    "local-log": {
        "local-logging": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/local-log

local-log attributes

```
GET /axapi/v3/fw/local-log
Reponse:
{
    "local-log": {
        "local-logging": 1,
        "uuid": "870e8d44-08e4-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/local-log"
    }
}
```

Modify Object

POST

/axapi/v3/fw/local-log

local-log attributes

Replace Object

PUT

/axapi/v3/fw/local-log

local-log attributes

```
PUT /axapi/v3/fw/local-log
Payload:
{
    "local-log": {
        "local-logging": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/local-log

local-log attributes

```
DELETE /axapi/v3/fw/local-log
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

local-log attributes

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.46 fw logging

Bind a logging template to firewall

logging Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	logging
Element URI	/axapi/v3/fw/logging
Element Attributes	logging_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/logging/stats
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/logging

logging attributes

```
POST /axapi/v3/fw/logging
Payload:
{
    "logging": {
```

(continues on next page)

(continued from previous page)

```
        "name": "a",
        "gtp": {
            "sampling-enable": [
                {
                    "counters1": "all"
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/fw/logging

logging attributes

```
GET /axapi/v3/fw/logging
Reponse:
{
    "logging": {
        "name": "a",
        "cef-label": "enable",
        "uuid": "4625246a-08de-11f0-8baa-c3be1c247dd7",
        "gtp": {
            "uuid": "46252514-08de-11f0-8baa-c3be1c247dd7",
            "sampling-enable": [
                {
                    "counters1": "all"
                }
            ],
            "a10-url": "/axapi/v3/fw/logging/gtp"
        },
        "a10-url": "/axapi/v3/fw/logging"
    }
}
```

Modify Object

POST

/axapi/v3/fw/logging

logging attributes

Replace Object

PUT

/axapi/v3/fw/logging

logging attributes

```
PUT /axapi/v3/fw/logging
Payload:
{
    "logging": {
        "name": "abcd",
        "gtp": {
            "sampling-enable": [
                {
                    "counters1": "log_type_gtp_invalid_teid"
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/logging

logging attributes

```
DELETE /axapi/v3/fw/logging
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

logging attributes

cef-label

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

gtp

Description: gtp is a **JSON Block**. Please see below for *gtp*

Type: Object

Reference Object: */axapi/v3/fw/logging/gtp*

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log_type_gtp_invalid_teid': Log Event Type GTP Invalid TEID; 'log_gtp_type_reserved_ie_present': Log Event Type GTP Reserved IE Present; 'log_type_gtp_mandatory_ie_missing': Log Event Type GTP Mandatory IE Missing; 'log_type_gtp_mandatory_ie_inside_grouped_ie_missing': Log Event Type GTP Mandatory IE Missing Inside Grouped IE; 'log_type_gtp_msisdn_filtering': Log Event Type GTP MSISDN Filtering; 'log_type_gtp_out_of_order_ie': Log Event Type GTP Out of Order IE V1; 'log_type_gtp_out_of_state_ie': Log Event Type GTP Out of State IE; 'log_type_enduser_ip_spoofed': Log Event Type GTP Enduser

IP Spoofed; 'log_type_crosslayer_correlation': Log Event GTP Crosslayer Correlation; 'log_type_message_not_supported': Log Event GTP Reserved Message Found; 'log_type_out_of_state': Log Event GTP Out of State Message; 'log_type_max_msg_length': Log Event GTP Message Length Exceeded Max; 'log_type_gtp_message_filtering': Log Event Type GTP Message Filtering; 'log_type_gtp_apn_filtering': Log Event Type GTP Apn Filtering; 'log_type_gtp_rat_type_filtering': Log Event GTP RAT Type Filtering; 'log_type_country_code_mismatch': Log Event GTP Country Code Mismatch; 'log_type_gtp_in_gtp_filtering': Log Event GTP in GTP Filtering; 'log_type_gtp_node_restart': Log Event GTP SGW/PGW restarted; 'log_type_gtp_seq_num_mismatch': Log Event GTP Response Sequence number Mismatch; 'log_type_gtp_rate_limit_periodic': Log Event GTP Rate Limit Periodic; 'log_type_gtp_rate_limit_periodic': Log Event GTP Invalid message length across layers; 'log_type_gtp_rate_limit_periodic': Log Event GTP Protocol flag in header; 'log_type_gtp_rate_limit_periodic': Log Event GTP invalid spare bits in header; 'log_type_gtp_rate_limit_periodic': Log Event GTP invalid piggyback flag in header; 'log_type_gtp_rate_limit_periodic': Log Event invalid GTP version; 'log_type_gtp_rate_limit_periodic': Log Event mismatch of GTP message and ports;

Type: string

Supported Values: all, log_type_gtp_invalid_teid, log_gtp_type_reserved_ie_present, log_type_gtp_mandatory_ie_missing, log_type_gtp_mandatory_ie_inside_grouped_ie_missing, log_type_gtp_msisdn_filtering, log_type_gtp_out_of_order_ie, log_type_gtp_out_of_state_ie, log_type_enduser_ip_spoofed, log_type_crosslayer_correlation, log_type_message_not_supported, log_type_out_of_state, log_type_max_msg_length, log_type_gtp_message_filtering, log_type_gtp_apn_filtering, log_type_gtp_rat_type_filtering, log_type_country_code_mismatch, log_type_gtp_in_gtp_filtering, log_type_gtp_node_restart, log_type_gtp_seq_num_mismatch, log_type_gtp_rate_limit_periodic, log_type_gtp_invalid_message_length, log_type_gtp_hdr_invalid_protocol_flag, log_type_gtp_hdr_invalid_spare_bits, log_type_gtp_hdr_invalid_piggy_flag, log_type_gtp_invalid_version, log_type_gtp_invalid_ports

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log_message_sent': Log Packet Sent; 'log_type_reset': Log Event Type Reset; 'log_type_deny': Log Event Type Deny; 'log_type_session_closed': Log Event Type Session Close; 'log_type_session_opened': Log Event Type Session Open; 'rule_not_logged': Firewall Rule Not Logged; 'log-dropped': Log Packets Dropped; 'tcp-session-created': TCP Session Created; 'tcp-session-deleted': TCP Session Deleted; 'udp-session-created': UDP Session Created; 'udp-session-deleted': UDP Session Deleted; 'icmp-session-deleted': ICMP Session Deleted; 'icmp-session-created': ICMP Session Created; 'icmpv6-session-deleted': ICMPV6 Session Deleted; 'icmpv6-session-created': ICMPV6 Session Created; 'other-session-deleted': Other Session Deleted; 'other-session-created': Other Session Created; 'http-request-logged': HTTP Request Logged; 'http-logging-invalid-format': HTTP Logging Invalid Format Error; 'dcmsg_permit': Dcmsg Permit; 'alg_override_permit': Alg Override

Permit; 'template_error': Template Error; 'ipv4-frag-applied': IPv4 Fragmentation Applied; 'ipv4-frag-failed': IPv4 Fragmentation Failed; 'ipv6-frag-applied': IPv6 Fragmentation Applied; 'ipv6-frag-failed': IPv6 Fragmentation Failed; 'out-of-buffers': Out of Buffers; 'add-msg-failed': Add Message to Buffer Failed; 'tcp-logging-conn-established': TCP Logging Conn Established; 'tcp-logging-conn-create-failed': TCP Logging Conn Create Failed; 'tcp-logging-conn-dropped': TCP Logging Conn Dropped; 'log-message-too-long': Log message too long; 'http-out-of-order-dropped': HTTP out-of-order dropped; 'http-alloc-failed': HTTP Request Info Allocation Failed; 'sctp-session-created': SCTP Session Created; 'sctp-session-deleted': SCTP Session Deleted; 'log_type_sctp_inner_proto_filter': Log Event Type SCTP Inner Proto Filter; 'tcp-logging-port-allocated': TCP Logging Port Allocated; 'tcp-logging-port-freed': TCP Logging Port Freed; 'tcp-logging-port-allocation-failed': TCP Logging Port Allocation Failed; 'iddos-blackhole-entry-create': iDDoS IP Entry Created; 'iddos-blackhole-entry-delete': iDDoS IP Entry Deleted; 'session-limit-exceeded': Session Limit Exceeded;

Type: string

Supported Values: all, log_message_sent, log_type_reset, log_type_deny, log_type_session_closed, log_type_session_opened, rule_not_logged, log-dropped, tcp-session-created, tcp-session-deleted, udp-session-created, udp-session-deleted, icmp-session-deleted, icmp-session-created, icmpv6-session-deleted, icmpv6-session-created, other-session-deleted, other-session-created, http-request-logged, http-logging-invalid-format, dcmsg_permit, alg_override_permit, template_error, ipv4-frag-applied, ipv4-frag-failed, ipv6-frag-applied, ipv6-frag-failed, out-of-buffers, add-msg-failed, tcp-logging-conn-established, tcp-logging-conn-create-failed, tcp-logging-conn-dropped, log-message-too-long, http-out-of-order-dropped, http-alloc-failed, sctp-session-created, sctp-session-deleted, log_type_sctp_inner_proto_filter, tcp-logging-port-allocated, tcp-logging-port-freed, tcp-logging-port-allocation-failed, iddos-blackhole-entry-create, iddos-blackhole-entry-delete, session-limit-exceeded

2.53.47 fw logging gtp

Counters for GTP Logging

gtp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	gtp
Element URI	/axapi/v3/fw/logging/gtp
Element Attributes	gtp_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/logging/gtp/stats
Schema	`gtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/logging/gtp

gtp attributes

```
POST /axapi/v3/fw/logging/gtp
Payload:
{
    "gtp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/fw/logging/gtp

gtp attributes

```
GET /axapi/v3/fw/logging/gtp
Reponse:
{
    "gtp": {
        "uuid": "46252514-08de-11f0-8baa-c3be1c247dd7",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/fw/logging/gtp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/logging/gtp

gtp attributes

Replace Object

PUT

/axapi/v3/fw/logging/gtp

gtp attributes

Delete Object

DELETE

/axapi/v3/fw/logging/gtp

gtp attributes

gtp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'log_type_gtp_invalid_teid': Log Event Type GTP Invalid TEID; 'log_gtp_type_reserved_ie_present': Log Event Type GTP Reserved IE Present; 'log_type_gtp_mandatory_ie_missing': Log Event Type GTP Mandatory IE Missing; 'log_type_gtp_mandatory_ie_inside_grouped_ie_missing': Log Event Type GTP Mandatory IE Missing Inside Grouped IE; 'log_type_gtp_msisdn_filtering': Log Event Type GTP MSISDN Filtering; 'log_type_gtp_out_of_order_ie': Log Event Type GTP Out of Order IE V1; 'log_type_gtp_out_of_state_ie': Log Event Type GTP Out of State IE; 'log_type_enduser_ip_spoofed': Log Event Type GTP Enduser IP Spoofed; 'log_type_crosslayer_correlation': Log Event GTP Crosslayer Correlation; 'log_type_message_not_supported': Log Event GTP Reserved Message Found; 'log_type_out_of_state': Log Event GTP Out of State Message; 'log_type_max_msg_length': Log Event GTP Message Length Exceeded Max; 'log_type_gtp_message_filtering': Log Event Type GTP Message Filtering; 'log_type_gtp_apn_filtering': Log Event Type GTP Apn Filtering; 'log_type_gtp_rat_type_filtering': Log Event GTP RAT Type Filtering; 'log_type_country_code_mismatch': Log Event GTP Country Code Mismatch; 'log_type_gtp_in_gtp_filtering': Log Event GTP in GTP Filtering; 'log_type_gtp_node_restart': Log Event GTP SGW/PGW restarted; 'log_type_gtp_seq_num_mismatch': Log Event GTP Response Sequence number Mismatch; 'log_type_gtp_rate_limit_periodic': Log Event GTP Rate Limit Periodic; 'log_type_gtp_rate_limit_periodic': Log Event GTP Invalid message length across layers; 'log_type_gtp_rate_limit_periodic': Log Event GTP Protocol flag in header; 'log_type_gtp_rate_limit_periodic': Log Event GTP invalid spare bits in header; 'log_type_gtp_rate_limit_periodic': Log Event GTP invalid piggyback flag in header; 'log_type_gtp_rate_limit_periodic': Log Event invalid GTP version; 'log_type_gtp_rate_limit_periodic': Log Event mismatch of GTP message and ports;

Type: string

Supported Values: all, log_type_gtp_invalid_teid, log_gtp_type_reserved_ie_present, log_type_gtp_mandatory_ie_missing, log_type_gtp_mandatory_ie_inside_grouped_ie_missing, log_type_gtp_msisdn_filtering, log_type_gtp_out_of_order_ie, log_type_gtp_out_of_state_ie, log_type_enduser_ip_spoofed,

log_type_crosslayer_correlation, log_type_message_not_supported, log_type_out_of_state, log_type_max_msg_length, log_type_gtp_message_filtering, log_type_gtp_apn_filtering, log_type_gtp_rat_type_filtering, log_type_country_code_mismatch, log_type_gtp_in_gtp_filtering, log_type_gtp_node_restart, log_type_gtp_seq_num_mismatch, log_type_gtp_rate_limit_periodic, log_type_gtp_invalid_message_length, log_type_gtp_hdr_invalid_protocol_flag, log_type_gtp_hdr_invalid_spare_bits, log_type_gtp_hdr_invalid_piggy_flag, log_type_gtp_invalid_version, log_type_gtp_invalid_ports

2.53.48 fw logging gtp stats

Statistics for the object gtp

gtp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	gtp
Element URI	/axapi/v3/fw/logging/gtp/stats
Element Attributes	gtp_attributes
Partition Visibility	None
Schema	`gtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/logging/gtp/stats

gtp attributes

Get Object

GET

/axapi/v3/fw/logging/gtp/stats

gtp attributes

Modify Object

POST

/axapi/v3/fw/logging/gtp/stats

gtp attributes

Replace Object

PUT

/axapi/v3/fw/logging/gtp/stats

gtp attributes

Delete Object

DELETE

/axapi/v3/fw/logging/gtp/stats

gtp attributes

gtp attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

log_gtp_type_reserved_ie_present

Description Log Event Type GTP Reserved IE Present

Type: number

Format: counter

log_type_country_code_mismatch

Description Log Event GTP Country Code Mismatch

Type: number

Format: counter

log_type_crosslayer_correlation

Description Log Event GTP Crosslayer Correlation

Type: number

Format: counter

log_type_enduser_ip_spoofed

Description Log Event Type GTP Enduser IP Spoofed

Type: number

Format: counter

log_type_gtp_apn_filtering

Description Log Event Type GTP Apn Filtering

Type: number

Format: counter

log_type_gtp_hdr_invalid_piggy_flag

Description Log Event GTP invalid piggyback flag in header

Type: number

Format: counter

log_type_gtp_hdr_invalid_protocol_flag

Description Log Event GTP Protocol flag in header

Type: number

Format: counter

log_type_gtp_hdr_invalid_spare_bits

Description Log Event GTP invalid spare bits in header

Type: number

Format: counter

log_type_gtp_in_gtp_filtering

Description Log Event GTP in GTP Filtering

Type: number

Format: counter

log_type_gtp_invalid_message_length

Description Log Event GTP Invalid message length across layers

Type: number

Format: counter

log_type_gtp_invalid_ports

Description Log Event mismatch of GTP message and ports

Type: number

Format: counter

log_type_gtp_invalid_teid

Description Log Event Type GTP Invalid TEID

Type: number

Format: counter

log_type_gtp_invalid_version

Description Log Event invalid GTP version

Type: number

Format: counter

log_type_gtp_mandatory_ie_inside_grouped_ie_missing

Description Log Event Type GTP Mandatory IE Missing Inside Grouped IE

Type: number

Format: counter

log_type_gtp_mandatory_ie_missing

Description Log Event Type GTP Mandatory IE Missing

Type: number

Format: counter

log_type_gtp_message_filtering

Description Log Event Type GTP Message Filtering

Type: number

Format: counter

log_type_gtp_msisdn_filtering

Description Log Event Type GTP MSISDN Filtering

Type: number

Format: counter

log_type_gtp_node_restart

Description Log Event GTP SGW/PGW restarted

Type: number

Format: counter

log_type_gtp_out_of_order_ie

Description Log Event Type GTP Out of Order IE V1

Type: number

Format: counter

log_type_gtp_out_of_state_ie

Description Log Event Type GTP Out of State IE

Type: number

Format: counter

log_type_gtp_rat_type_filtering

Description Log Event GTP RAT Type Filtering

Type: number

Format: counter

log_type_gtp_rate_limit_periodic

Description Log Event mismatch of GTP message and ports

Type: number

Format: counter

log_type_gtp_seq_num_mismatch

Description Log Event GTP Response Sequence number Mismatch

Type: number

Format: counter

log_type_max_msg_length

Description Log Event GTP Message Length Exceeded Max

Type: number

Format: counter

log_type_message_not_supported

Description Log Event GTP Reserved Message Found

Type: number

Format: counter

log_type_out_of_state

Description Log Event GTP Out of State Message

Type: number

Format: counter

2.53.49 fw logging stats

Statistics for the object logging

logging Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	logging
Element URI	/axapi/v3/fw/logging/stats
Element Attributes	logging_attributes
Partition Visibility	None
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/logging/stats

logging attributes

Get Object

GET

/axapi/v3/fw/logging/stats

logging attributes

Modify Object

POST

/axapi/v3/fw/logging/stats

logging attributes

Replace Object

PUT

/axapi/v3/fw/logging/stats

logging attributes

Delete Object

DELETE

/axapi/v3/fw/logging/stats

logging attributes

logging attributes

gtp

Description: gtp is a **JSON Block**. Please see below for *gtp*

Type: Object

Reference Object: */axapi/v3/fw/logging/gtp*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

gtp

Specification	Value
Type	*object*

stats

Description: stats is a **JSON Block**. Please see below for *gtp_stats*

Type: Object

gtp_stats

Specification	Value
Type	*object*

log_gtp_type_reserved_ie_present

Description Log Event Type GTP Reserved IE Present

Type: number

Format: counter

log_type_country_code_mismatch

Description Log Event GTP Country Code Mismatch

Type: number

Format: counter

log_type_crosslayer_correlation

Description Log Event GTP Crosslayer Correlation

Type: number

Format: counter

log_type_enduser_ip_spoofed

Description Log Event Type GTP Enduser IP Spoofed

Type: number

Format: counter

log_type_gtp_apn_filtering

Description Log Event Type GTP Apn Filtering

Type: number

Format: counter

log_type_gtp_hdr_invalid_piggy_flag

Description Log Event GTP invalid piggyback flag in header

Type: number

Format: counter

log_type_gtp_hdr_invalid_protocol_flag

Description Log Event GTP Protocol flag in header

Type: number

Format: counter

log_type_gtp_hdr_invalid_spare_bits

Description Log Event GTP invalid spare bits in header

Type: number

Format: counter

log_type_gtp_in_gtp_filtering

Description Log Event GTP in GTP Filtering

Type: number

Format: counter

log_type_gtp_invalid_message_length

Description Log Event GTP Invalid message length across layers

Type: number

Format: counter

log_type_gtp_invalid_ports

Description Log Event mismatch of GTP message and ports

Type: number

Format: counter

log_type_gtp_invalid_teid

Description Log Event Type GTP Invalid TEID

Type: number

Format: counter

log_type_gtp_invalid_version

Description Log Event invalid GTP version

Type: number

Format: counter

log_type_gtp_mandatory_ie_inside_grouped_ie_missing

Description Log Event Type GTP Mandatory IE Missing Inside Grouped IE

Type: number

Format: counter

log_type_gtp_mandatory_ie_missing

Description Log Event Type GTP Mandatory IE Missing

Type: number

Format: counter

log_type_gtp_message_filtering

Description Log Event Type GTP Message Filtering

Type: number

Format: counter

log_type_gtp_msisdn_filtering

Description Log Event Type GTP MSISDN Filtering

Type: number

Format: counter

log_type_gtp_node_restart

Description Log Event GTP SGW/PGW restarted

Type: number

Format: counter

log_type_gtp_out_of_order_ie

Description Log Event Type GTP Out of Order IE V1

Type: number

Format: counter

log_type_gtp_out_of_state_ie

Description Log Event Type GTP Out of State IE

Type: number

Format: counter

log_type_gtp_rat_type_filtering

Description Log Event GTP RAT Type Filtering

Type: number

Format: counter

log_type_gtp_rate_limit_periodic

Description Log Event mismatch of GTP message and ports

Type: number

Format: counter

log_type_gtp_seq_num_mismatch

Description Log Event GTP Response Sequence number Mismatch

Type: number

Format: counter

log_type_max_msg_length

Description Log Event GTP Message Length Exceeded Max

Type: number

Format: counter

log_type_message_not_supported

Description Log Event GTP Reserved Message Found

Type: number

Format: counter

log_type_out_of_state

Description Log Event GTP Out of State Message

Type: number

Format: counter

stats

Specification	Value
Type	*object*

http-logging-invalid-format

Description HTTP Logging Invalid Format Error

Type: number

Format: counter

http-request-logged

Description HTTP Request Logged

Type: number

Format: counter

icmp-session-created

Description ICMP Session Created

Type: number

Format: counter

icmp-session-deleted

Description ICMP Session Deleted

Type: number

Format: counter

icmpv6-session-created

Description ICMPV6 Session Created

Type: number

Format: counter

icmpv6-session-deleted

Description ICMPV6 Session Deleted

Type: number

Format: counter

iddos-blackhole-entry-create

Description iDDoS IP Entry Created

Type: number

Format: counter

iddos-blackhole-entry-delete

Description iDDoS IP Entry Deleted

Type: number

Format: counter

log-dropped

Description Log Packets Dropped

Type: number

Format: counter

log_message_sent

Description Log Packet Sent

Type: number

Format: counter

log_type_deny

Description Log Event Type Deny

Type: number

Format: counter

log_type_reset

Description Log Event Type Reset

Type: number

Format: counter

log_type_sctp_inner_proto_filter

Description Log Event Type SCTP Inner Proto Filter

Type: number

Format: counter

log_type_session_closed

Description Log Event Type Session Close

Type: number

Format: counter

log_type_session_opened

Description Log Event Type Session Open

Type: number

Format: counter

other-session-created

Description Other Session Created

Type: number

Format: counter

other-session-deleted

Description Other Session Deleted

Type: number

Format: counter

rule_not_logged

Description Firewall Rule Not Logged

Type: number

Format: counter

sctp-session-created

Description SCTP Session Created

Type: number

Format: counter

sctp-session-deleted

Description SCTP Session Deleted

Type: number

Format: counter

session-limit-exceeded

Description Session Limit Exceeded

Type: number

Format: counter

tcp-session-created

Description TCP Session Created

Type: number

Format: counter

tcp-session-deleted

Description TCP Session Deleted

Type: number

Format: counter

udp-session-created

Description UDP Session Created

Type: number

Format: counter

udp-session-deleted

Description UDP Session Deleted

Type: number

Format: counter

2.53.50 fw match

Display the Firewall Rule for a Flow

match Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	match
Element URI	/axapi/v3/fw/match
Element Attributes	match_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/fw/match/oper
Schema	`match schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/match

match attributes

Get Object

GET

/axapi/v3/fw/match

match attributes

Modify Object

POST

/axapi/v3/fw/match

match attributes

Replace Object

PUT

/axapi/v3/fw/match

match attributes

Delete Object

DELETE

/axapi/v3/fw/match

match attributes

match attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.51 fw match oper

Operational Status for the object match

match Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	match
Element URI	/axapi/v3/fw/match/oper
Element Attributes	match_attributes
Partition Visibility	None
Schema	`match schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/match/oper

match attributes

Get Object

GET

/axapi/v3/fw/match/oper

match attributes

Modify Object

POST

/axapi/v3/fw/match/oper

match attributes

Replace Object

PUT

/axapi/v3/fw/match/oper

match attributes

Delete Object

DELETE

/axapi/v3/fw/match/oper

match attributes

match attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

active-access-control-rule-set

Description

Type: string

active-traffic-control-rule-set

Description

Type: string

dst-ipv4-addr

Description

Type: string

Format: ipv4-address

dst-ipv6-addr

Description

Type: string

Format: ipv6-address

dst-port

Description

Type: number

error-msg

Description

Type: string

icmp

Description

Type: boolean

Supported Values: true, false, 1, 0

icmp-type

Description

Type: number

icmpv6

Description

Type: boolean

Supported Values: true, false, 1, 0

matching-rules-fetched

Description

Type: number

matching-rules-total

Description

Type: number

rule-ids

Type: List

show-all

Description

Type: boolean

Supported Values: true, false, 1, 0

src-ipv4-addr

Description

Type: string

Format: ipv4-address

src-ipv6-addr

Description

Type: string

Format: ipv6-address

src-port

Description

Type: number

tcp

Description

Type: boolean

Supported Values: true, false, 1, 0

udp

Description

Type: boolean

Supported Values: true, false, 1, 0

vlan

Description

Type: number

oper_rule-ids

Specification	Value
Type	*list*
Block object keys	

matching-rule

Description

Type: string

matching-rule-type

Description

Type: number

2.53.52 fw per-instance

Dynamic FW per VRID/UserGroup counters

per-instance Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	per-instance
Element URI	/axapi/v3/fw/per-instance
Element Attributes	per-instance_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/per-instance/stats
Schema	`per-instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/per-instance

per-instance attributes

Get Object

GET

/axapi/v3/fw/per-instance

per-instance attributes

Modify Object

POST

/axapi/v3/fw/per-instance

per-instance attributes

Replace Object

PUT

/axapi/v3/fw/per-instance

per-instance attributes

Delete Object

DELETE

/axapi/v3/fw/per-instance

per-instance attributes

per-instance attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.53 fw per-instance stats

Statistics for the object per-instance

per-instance Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	per-instance
Element URI	/axapi/v3/fw/per-instance/stats
Element Attributes	per-instance_attributes
Partition Visibility	None
Schema	`per-instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/per-instance/stats

per-instance attributes

Get Object

GET

/axapi/v3/fw/per-instance/stats

per-instance attributes

Modify Object

POST

/axapi/v3/fw/per-instance/stats

per-instance attributes

Replace Object

PUT

/axapi/v3/fw/per-instance/stats

per-instance attributes

Delete Object

DELETE

/axapi/v3/fw/per-instance/stats

per-instance attributes

per-instance attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

data_session_created

Description Data Session Created

Type: number

Format: counter

data_session_freed

Description Data Session Freed

Type: number

Format: counter

dyn_blist_pkt_drop

Description Dynamic Blacklist Packet Drop

Type: number

Format: counter

dyn_blist_pkt_rate_high

Description Dynamic Blacklist - Pkt Rate High

Type: number

Format: counter

dyn_blist_pkt_rate_low

Description Dynamic Blacklist - Pkt Rate Low

Type: number

Format: counter

dyn_blist_sess_created

Description Dynamic Blacklist Session Created

Type: number

Format: counter

dyn_blist_sess_freed

Description Dynamic Blacklist Session Freed

Type: number

Format: counter

dyn_blist_version_mismatch

Description Dynamic Blacklist - Version Mismatch

Type: number

Format: counter

key-name

Description

Type: string

Format: counter

tcp_fullcone_created

Description TCP Full-cone Created

Type: number

Format: counter

tcp_fullcone_freed

Description TCP Full-cone Freed

Type: number

Format: counter

udp_fullcone_created

Description UDP Full-cone Created

Type: number

Format: counter

udp_fullcone_freed

Description UDP Full-cone Freed

Type: number

Format: counter

2.53.54 fw prioritize-control-traffic

Configure Permit internal policy lookup ahead of external policy lookup for internal traffic

prioritize-control-traffic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	prioritize-control-traffic
Element URI	/axapi/v3/fw/prioritize-control-traffic
Element Attributes	prioritize-control-traffic_attributes
Partition Visibility	shared
Schema	`prioritize-control-traffic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/prioritize-control-traffic

prioritize-control-traffic attributes

Get Object

GET

/axapi/v3/fw/prioritize-control-traffic

prioritize-control-traffic attributes

Modify Object

POST

/axapi/v3/fw/prioritize-control-traffic

prioritize-control-traffic attributes

Replace Object

PUT

/axapi/v3/fw/prioritize-control-traffic

prioritize-control-traffic attributes

prioritize-control-traffic attributes

action

Description 'disable': disable; 'enable': enable;

Type: string

Supported Values: disable, enable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.55 fw radius

Configure the Interaction with External RADIUS Servers

radius Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	radius
Element URI	/axapi/v3/fw/radius
Element Attributes	radius_attributes
Partition Visibility	shared
Schema	`radius schema`

Operations Allowed:

Get Object

GET

/axapi/v3/fw/radius

radius_attributes

radius attributes

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Reference Object: */axapi/v3/fw/radius/server*

server

Specification	Value
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default);

Type: string

Supported Values: ignore, delete-entry

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

server_remote

Specification	Value
Type	*object*

ip-list

Type: List

server_remote_ip-list

Specification	Value
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

server_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Table Full Dropped; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop; 'radius-packets-redirected': RADIUS packets redirected (SO); 'radius-packets-redirect-fail-dropped': RADIUS packets dropped due to redirect failure (SO); 'radius-packets-process-local': RADIUS packets processed locally without redirection (SO); 'radius-packets-dropped-not-lo': RADIUS packets dropped dest not loopback (SO); 'radius-inter-card-dup-redir': RADIUS packet dropped as redirected by other blade (SO);

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-created, smp-in-rml, smp-deleted, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

server_attribute

Specification	Value
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

2.53.56 fw radius server

Configure system as a RADIUS server

server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/fw/radius/server
Element Attributes	server_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/radius/server/stats
Operational Data URI	/axapi/v3/fw/radius/server/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/radius/server

server attributes

```
POST /axapi/v3/fw/radius/server
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "server": {
        "listen-port": 1024
    }
}
```

Get Object

GET

/axapi/v3/fw/radius/server

server attributes

```
GET /axapi/v3/fw/radius/server
Reponse:
{
    "server": {
        "listen-port": 1024,
        "secret": 0,
        "accounting-start": "append-entry",
        "accounting-stop": "delete-entry",
        "accounting-interim-update": "ignore",
        "accounting-on": "ignore",
        "uuid": "46252f50-08de-11f0-8baa-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/radius/server"
    }
}
```

Modify Object

POST

/axapi/v3/fw/radius/server

server attributes

Replace Object

PUT

/axapi/v3/fw/radius/server

server attributes

```
PUT /axapi/v3/fw/radius/server
Payload:
{
    "server": {
        "listen-port": 1025
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/radius/server

server attributes

```
DELETE /axapi/v3/fw/radius/server
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

server attributes

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default);

Type: string

Supported Values: ignore, delete-entry

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI;

Type: string

Supported Values: msisdn, imei, imsi

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (Port number)

Type: number

Range: 1024-65535

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

remote

Specification	Value
Type	*object*

ip-list

Type: List

remote_ip-list

Specification	Value
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Table Full Dropped; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-created': RADIUS SMP Created; 'smp-in-rml': RADIUS SMP in RML; 'smp-deleted': RADIUS SMP Deleted; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop; 'radius-packets-redirected': RADIUS packets redirected (SO); 'radius-packets-redirect-fail-dropped': RADIUS packets dropped due to redirect failure (SO); 'radius-packets-process-local': RADIUS packets processed locally without redirection (SO); 'radius-packets-dropped-not-lo': RADIUS packets dropped dest not loopback (SO); 'radius-inter-card-dup-redir': RADIUS packet dropped as redirected by other blade (SO);

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-created, smp-in-rml, smp-deleted, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop,

radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

attribute

Specification	Value
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

2.53.57 fw radius server oper

Operational Status for the object server

server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/fw/radius/server/oper
Element Attributes	server_attributes
Partition Visibility	None
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/radius/server/oper

server attributes

Get Object

GET

/axapi/v3/fw/radius/server/oper

server attributes

Modify Object

POST

/axapi/v3/fw/radius/server/oper

server attributes

Replace Object

PUT

/axapi/v3/fw/radius/server/oper

server attributes

Delete Object

DELETE

/axapi/v3/fw/radius/server/oper

server attributes

server attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

case-insensitive

Description

Type: boolean

Supported Values: true, false, 1, 0

custom-attr-name

Description

Type: string

custom-attr-value

Description

Type: string

radius-table-entries-list

Type: List

starts-with

Description

Type: boolean

Supported Values: true, false, 1, 0

total-entries

Description

Type: number

oper_radius-table-entries-list

Specification	Value
Type	*list*
Block object keys	

custom1-attr-value

Description

Type: string

custom2-attr-value

Description

Type: string

custom3-attr-value

Description

Type: string

custom4-attr-value

Description

Type: string

custom5-attr-value

Description

Type: string

custom6-attr-value

Description

Type: string

imei

Description

Type: string

imsi

Description

Type: string

inside-ip

Description

Type: string

Format: ipv4-address

inside-ipv6

Description

Type: string

Format: ipv6-address

is-obsolete

Description

Type: boolean

Supported Values: true, false, 1, 0

msisdn

Description

Type: string

prefix-len

Description

Type: number

2.53.58 fw radius server stats

Statistics for the object server

server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/fw/radius/server/stats
Element Attributes	server_attributes
Partition Visibility	None
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/radius/server/stats

server attributes

Get Object

GET

/axapi/v3/fw/radius/server/stats

server attributes

Modify Object

POST

/axapi/v3/fw/radius/server/stats

server attributes

Replace Object

PUT

/axapi/v3/fw/radius/server/stats

server attributes

Delete Object

DELETE

/axapi/v3/fw/radius/server/stats

server attributes

server attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

custom-received

Description Custom attribute Received

Type: number

Format: counter

ha-standby-dropped

Description HA Standby Dropped

Type: number

Format: counter

imei-received

Description IMEI Received

Type: number

Format: counter

imsi-received

Description IMSI Received

Type: number

Format: counter

invalid-key

Description Radius Request has Invalid Key Field

Type: number

Format: counter

ipv6-prefix-length-mismatch

Description Framed IPV6 Prefix Length Mismatch

Type: number

Format: counter

msisdn-received

Description MSISDN Received

Type: number

Format: counter

radius-request-dropped

Description RADIUS Request Dropped (Malformed Packet)

Type: number

Format: counter

radius-request-received

Description RADIUS Request Received

Type: number

Format: counter

radius-table-full

Description RADIUS Request Dropped (Table Full)

Type: number

Format: counter

request-bad-secret-dropped

Description RADIUS Request Bad Secret Dropped

Type: number

Format: counter

request-ignored

Description RADIUS Request Table Full Dropped

Type: number

Format: counter

request-malformed-dropped

Description RADIUS Request Malformed Dropped

Type: number

Format: counter

request-no-key-vap-dropped

Description RADIUS Request No Key Attribute Dropped

Type: number

Format: counter

secret-not-configured-dropped

Description RADIUS Secret Not Configured Dropped

Type: number

Format: counter

smp-created

Description RADIUS SMP Created

Type: number

Format: counter

smp-deleted

Description RADIUS SMP Deleted

Type: number

Format: counter

2.53.59 fw rate-limit

View Rate Limit Entries

rate-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit
Element URI	/axapi/v3/fw/rate-limit
Element Attributes	rate-limit_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/rate-limit/stats
Operational Data URI	/axapi/v3/fw/rate-limit/oper
Schema	`rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/rate-limit

rate-limit attributes

```
POST /axapi/v3/fw/rate-limit
Payload:
{
    "rate-limit": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/fw/rate-limit

rate-limit attributes

```
GET /axapi/v3/fw/rate-limit
Reponse:
{
    "rate-limit": {
        "uuid": "46252726-08de-11f0-8baa-c3be1c247dd7",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "summary": {
            "uuid": "462527bc-08de-11f0-8baa-c3be1c247dd7",
            "a10-url": "/axapi/v3/fw/rate-limit/summary"
        },
        "a10-url": "/axapi/v3/fw/rate-limit"
    }
}
```

Modify Object

POST

/axapi/v3/fw/rate-limit

rate-limit attributes

Replace Object

PUT

/axapi/v3/fw/rate-limit

rate-limit attributes

```
PUT /axapi/v3/fw/rate-limit
Payload:
{
    "rate-limit": {
        "sampling-enable": [
            {
                "counters1": "ratelimit_used_total_mem"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/rate-limit

rate-limit attributes

```
DELETE /axapi/v3/fw/rate-limit
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rate-limit attributes

sampling-enable

Type: List

summary

Description: summary is a **JSON Block**. Please see below for *summary*

Type: Object

Reference Object: */axapi/v3/fw/rate-limit/summary*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ratelimit_used_total_mem': Total Memory Used For Rate-limiting (bytes); 'ratelimit_used_spm_mem': Total SPM Memory Used For Rate-limiting Infra in Bytes; 'ratelimit_used_heap_mem': Total Heap Memory Used For Rate-limiting Infra in Bytes; 'ratelimit_entry_alloc_frm_spm_mem': Total Number of Rate-limit Entries created using SPM Memory; 'ratelimit_high_accurate_entry_alloc_fail': Total Number of Failures to Create Highly Accurate Rate-limit Entries Due to Memory Allocation Failures; 'ratelimit_high_perf_entry_alloc_fail': Total Number of Failures to Create High-Perf Rate-limit Entries Due to Memory Allocation Failures; 'ratelimit_high_perf_entry_secondary_alloc_fail': Total Number of Failures to Allocate Additional Memory to Existing High-Perf Rate-limit Entries; 'ratelimit_entry_alloc_fail_rate_too_high': Total Number of Attempts to Configure Too High Rate Limits; 'ratelimit_entry_alloc_fail_metric_count_gt_supported': Total Number of Failures to Create High-Perf Rate-limit Entries Because of Too Many Metrics; 'ratelimit_entry_count_t2_key': Number of Total Rate-limit Entries; 'ratelimit_entry_count_fw_rule_uid': Number of Rate-limit Entries with Scope Aggregate; 'ratelimit_entry_count_ip_addr': Number of Rate-limit Entries with Scope IPv4 Address; 'ratelimit_entry_count_ip6_addr': Number of Rate-limit Entries with Scope IPv6 Address; 'ratelimit_entry_count_session_id': Number of Rate-limit Entries with Scope Session ID; 'ratelimit_entry_count_rule_ipv4_prefix': Number of Rate-limit Entries with Scope IPv4 Prefix; 'ratelimit_entry_count_rule_ipv6_prefix': Number of Rate-limit Entries with Scope IPv6 Prefix; 'ratelimit_entry_count_parent_uid': Number of Parent Rate-limit Entries with Scope Aggregate; 'ratelimit_entry_count_parent_ipv4_prefix': Number of Parent Rate-limit Entries with Scope IPv4 Prefix; 'ratelimit_entry_count_parent_ipv6_prefix': Number of Parent Rate-limit Entries with Scope IPv6 Prefix; 'ratelimit_infra_generic_errors': Current Number of Generic Errors Encountered in Ratelimit Infra; 'ratelimit_entry_count_allocated': Number of Rate-limit Entries Allocated Totally; 'ratelimit_entry_count_freed': Number of Rate-limit Entries Freed Totally; 'ratelimit_entry_count_rule_ip': Number of Rate-limit Entries with Scope IP; 'ratelimit_entry_count_parent_ip': Number of Parent Rate-limit Entries with Scope IP; 'ratelimit_entry_count_radius_usergroup': The total number of rate-limiting entries with the scope RADIUS user group.; 'ratelimit_entry_count_parent_radius_usergroup': The total number of parent rate-limiting entries with the scope RADIUS user group.; 'ratelimit_entry_count_radius_userid': The total number of rate-limiting entries with the scope RADIUS user ID.; 'ratelimit_entry_count_parent_radius_userid': The total number of parent rate-limiting entries with the scope RADIUS user ID.;

Type: string

Supported Values: all, ratelimit_used_total_mem, ratelimit_used_spm_mem, ratelimit_used_heap_mem, ratelimit_entry_alloc_frm_spm_mem, ratelimit_high_accurate_entry_alloc_fail, ratelimit_high_perf_entry_alloc_fail, ratelimit_high_perf_entry_secondary_alloc_fail, ratelimit_entry_alloc_fail_rate_too_high, ratelimit_entry_alloc_fail_metric_count_gt_supported, ratelimit_entry_count_t2_key, ratelimit_entry_count_fw_rule_uid, ratelimit_entry_count_ip_addr, ratelimit_entry_count_ip6_addr, ratelimit_entry_count_session_id, ratelimit_entry_count_rule_ipv4_prefix, ratelimit_entry_count_rule_ipv6_prefix, ratelimit_entry_count_parent_uid, ratelimit_entry_count_parent_ipv4_prefix, ratelimit_entry_count_parent_ipv6_prefix, ratelimit_infra_generic_errors, rate-

limit_entry_count_allocated, ratelimit_entry_count_freed, ratelimit_entry_count_rule_ip, ratelimit_entry_count_parent_ip, ratelimit_entry_count_radius_usergroup, ratelimit_entry_count_parent_radius_usergroup, ratelimit_entry_count_radius_userid, ratelimit_entry_count_parent_radius_userid

summary

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.60 fw rate-limit oper

Operational Status for the object rate-limit

rate-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit
Element URI	/axapi/v3/fw/rate-limit/oper
Element Attributes	rate-limit_attributes
Partition Visibility	None
Schema	`rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/rate-limit/oper

rate-limit attributes

Get Object

GET

/axapi/v3/fw/rate-limit/oper

rate-limit attributes

Modify Object

POST

/axapi/v3/fw/rate-limit/oper

rate-limit attributes

Replace Object

PUT

/axapi/v3/fw/rate-limit/oper

rate-limit attributes

Delete Object

DELETE

/axapi/v3/fw/rate-limit/oper

rate-limit attributes

rate-limit attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

summary

Description: summary is a **JSON Block**. Please see below for *summary*

Type: Object

Reference Object: */axapi/v3/fw/rate-limit/summary*

oper

Specification	Value
Type	*object*

rate-limit-list

Type: List

string-value

Description

Type: string

Format: string-rlx

template-id

Description

Type: number

v4-address

Description

Type: string

Format: ipv4-address

v4-netmask

Description

Type: string

Format: ipv4-netmask-brief

v6-prefix

Description

Type: string

Format: ipv6-address-plen

oper_rate-limit-list

Specification	Value
Type	*list*
Block object keys	

address

Description

Type: string

cps-allowed

Description

Type: number

cps-received

Description

Type: number

downlink-traffic-allowed

Description

Type: number

downlink-traffic-received

Description

Type: number

drop-count

Description

Type: number

prefix-len

Description

Type: number

rule-name

Description

Type: string

string-value

Description

Type: string

Format: string-rlx

template-id

Description

Type: number

total-traffic-allowed

Description

Type: number

total-traffic-received

Description

Type: number

type

Description

Type: string

uplink-traffic-allowed

Description

Type: number

uplink-traffic-received

Description

Type: number

summary

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *summary_oper*

Type: Object

summary_oper

Specification	Value
Type	*object*

alloc_failures

Description

Type: number

mem_reserved

Description

Type: number

mem_used

Description

Type: number

total_entries_scope_aggregate

Description

Type: number

total_entries_scope_parent

Description

Type: number

total_entries_scope_parent_radius_usergroup

Description

Type: number

total_entries_scope_parent_radius_userid

Description

Type: number

total_entries_scope_parent_subscriber-prefix

Description

Type: number

total_entries_scope_parent_subscriber_ip

Description

Type: number

total_entries_scope_radius_usergroup

Description

Type: number

total_entries_scope_radius_userid

Description

Type: number

total_entries_scope_subscriber_ip

Description

Type: number

total_entries_scope_subscriber_prefix

Description

Type: number

total_num_entries

Description

Type: number

total_num_entries_allocated

Description

Type: number

total_num_entries_freed

Description

Type: number

2.53.61 fw rate-limit stats

Statistics for the object rate-limit

rate-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit
Element URI	/axapi/v3/fw/rate-limit/stats
Element Attributes	rate-limit_attributes
Partition Visibility	None
Schema	`rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/rate-limit/stats

rate-limit attributes

Get Object

GET

/axapi/v3/fw/rate-limit/stats

rate-limit attributes

Modify Object

POST

/axapi/v3/fw/rate-limit/stats

rate-limit attributes

Replace Object

PUT

/axapi/v3/fw/rate-limit/stats

rate-limit attributes

Delete Object

DELETE

/axapi/v3/fw/rate-limit/stats

rate-limit attributes

rate-limit attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

ratelimit_entry_count_allocated

Description Number of Rate-limit Entries Allocated Totally

Type: number

Format: counter

ratelimit_entry_count_freed

Description Number of Rate-limit Entries Freed Totally

Type: number

Format: counter

ratelimit_entry_count_fw_rule_uid

Description Number of Rate-limit Entries with Scope Aggregate

Type: number

Format: counter

ratelimit_entry_count_ip6_addr

Description Number of Rate-limit Entries with Scope IPv6 Address

Type: number

Format: counter

ratelimit_entry_count_ip_addr

Description Number of Rate-limit Entries with Scope IPv4 Address

Type: number

Format: counter

ratelimit_entry_count_parent_ip

Description Number of Parent Rate-limit Entries with Scope IP

Type: number

Format: counter

ratelimit_entry_count_parent_ipv4_prefix

Description Number of Parent Rate-limit Entries with Scope IPv4 Prefix

Type: number

Format: counter

ratelimit_entry_count_parent_ipv6_prefix

Description Number of Parent Rate-limit Entries with Scope IPv6 Prefix

Type: number

Format: counter

ratelimit_entry_count_parent_radius_usergroup

Description The total number of parent rate-limiting entries with the scope RADIUS user group.

Type: number

Format: counter

ratelimit_entry_count_parent_radius_userid

Description The total number of parent rate-limiting entries with the scope RADIUS user ID.

Type: number

Format: counter

ratelimit_entry_count_parent_uid

Description Number of Parent Rate-limit Entries with Scope Aggregate

Type: number

Format: counter

ratelimit_entry_count_radius_usergroup

Description The total number of rate-limiting entries with the scope RADIUS user group.

Type: number

Format: counter

ratelimit_entry_count_radius_userid

Description The total number of rate-limiting entries with the scope RADIUS user ID.

Type: number

Format: counter

ratelimit_entry_count_rule_ip

Description Number of Rate-limit Entries with Scope IP

Type: number

Format: counter

ratelimit_entry_count_rule_ipv4_prefix

Description Number of Rate-limit Entries with Scope IPv4 Prefix

Type: number

Format: counter

ratelimit_entry_count_rule_ipv6_prefix

Description Number of Rate-limit Entries with Scope IPv6 Prefix

Type: number

Format: counter

ratelimit_entry_count_session_id

Description Number of Rate-limit Entries with Scope Session ID

Type: number

Format: counter

ratelimit_entry_count_t2_key

Description Number of Total Rate-limit Entries

Type: number

Format: counter

ratelimit_used_total_mem

Description Total Memory Used For Rate-limiting (bytes)

Type: number

Format: counter

2.53.62 fw rate-limit summary

View A Summary About Rate Limit Entries

summary Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	summary
Element URI	/axapi/v3/fw/rate-limit/summary
Element Attributes	summary_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/fw/rate-limit/summary/oper
Schema	`summary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/rate-limit/summary

summary attributes

Get Object

GET

/axapi/v3/fw/rate-limit/summary

summary attributes

Modify Object

POST

/axapi/v3/fw/rate-limit/summary

summary attributes

Replace Object

PUT

/axapi/v3/fw/rate-limit/summary

summary attributes

Delete Object

DELETE

/axapi/v3/fw/rate-limit/summary

summary attributes

summary attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.63 fw rate-limit summary oper

Operational Status for the object summary

summary Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	summary
Element URI	/axapi/v3/fw/rate-limit/summary/oper
Element Attributes	summary_attributes
Partition Visibility	None
Schema	`summary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/rate-limit/summary/oper

summary attributes

Get Object

GET

/axapi/v3/fw/rate-limit/summary/oper

summary attributes

Modify Object

POST

/axapi/v3/fw/rate-limit/summary/oper

summary attributes

Replace Object

PUT

/axapi/v3/fw/rate-limit/summary/oper

summary attributes

Delete Object

DELETE

/axapi/v3/fw/rate-limit/summary/oper

summary attributes

summary attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

alloc_failures

Description

Type: number

mem_reserved

Description

Type: number

mem_used

Description

Type: number

total_entries_scope_aggregate

Description

Type: number

total_entries_scope_parent

Description

Type: number

total_entries_scope_parent_radius_usergroup

Description

Type: number

total_entries_scope_parent_radius_userid

Description

Type: number

total_entries_scope_parent_subscriber-prefix

Description

Type: number

total_entries_scope_parent_subscriber_ip

Description

Type: number

total_entries_scope_radius_usergroup

Description

Type: number

total_entries_scope_radius_userid

Description

Type: number

total_entries_scope_subscriber_ip

Description

Type: number

total_entries_scope_subscriber_prefix

Description

Type: number

total_num_entries

Description

Type: number

total_num_entries_allocated

Description

Type: number

total_num_entries_freed

Description

Type: number

2.53.64 fw resource-usage

Firewall resource usage

resource-usage Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/fw/resource-usage
Element Attributes	resource-usage_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/fw/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/resource-usage

resource-usage attributes

Get Object

GET

/axapi/v3/fw/resource-usage

resource-usage attributes

Modify Object

POST

/axapi/v3/fw/resource-usage

resource-usage attributes

Replace Object

PUT

/axapi/v3/fw/resource-usage

resource-usage attributes

Delete Object

DELETE

/axapi/v3/fw/resource-usage

resource-usage attributes

resource-usage attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.65 fw resource-usage oper

Operational Status for the object resource-usage

resource-usage Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/fw/resource-usage/oper
Element Attributes	resource-usage_attributes
Partition Visibility	None
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/resource-usage/oper

resource-usage attributes

Get Object

GET

/axapi/v3/fw/resource-usage/oper

resource-usage attributes

Modify Object

POST

/axapi/v3/fw/resource-usage/oper

resource-usage attributes

Replace Object

PUT

/axapi/v3/fw/resource-usage/oper

resource-usage attributes

Delete Object

DELETE

/axapi/v3/fw/resource-usage/oper

resource-usage attributes

resource-usage attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

clause-per-obj-grp

Description

Type: boolean

Supported Values: true, false, 1, 0

clause-per-obj-grp-current-count

Description

Type: string

clause-per-obj-grp-total-count

Description

Type: number

fw-helper-sessions-current-count

Description

Type: number

fw-helper-sessions-total-count

Description

Type: number

fw-ip-range-current-count

Description

Type: number

fw-ip-range-total-count

Description

Type: number

fw-object-current-count

Description

Type: number

fw-object-group-current-count

Description

Type: number

fw-object-group-total-count

Description

Type: number

fw-object-total-count

Description

Type: number

fw-rule-current-count

Description

Type: number

fw-rule-set-current-count

Description

Type: number

fw-rule-set-total-count

Description

Type: number

fw-rule-total-count

Description

Type: number

fw-zone-current-count

Description

Type: number

fw-zone-total-count

Description

Type: number

helper-sessions

Description

Type: boolean

Supported Values: true, false, 1, 0

ip-range

Description

Type: boolean

Supported Values: true, false, 1, 0

object

Description

Type: boolean

Supported Values: true, false, 1, 0

object-group

Description

Type: boolean

Supported Values: true, false, 1, 0

radius-table-current-count

Description

Type: number

radius-table-size

Description

Type: boolean

Supported Values: true, false, 1, 0

radius-table-total-count

Description

Type: number

rule

Description

Type: boolean

Supported Values: true, false, 1, 0

rule-set

Description

Type: boolean

Supported Values: true, false, 1, 0

zone

Description

Type: boolean

Supported Values: true, false, 1, 0

2.53.66 fw server

Firewall logging Server

server Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-list*
Collection URI	/axapi/v3/fw/server
Element Name	server
Element URI	/axapi/v3/fw/server/{name}
Element Attributes	server_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/server/{name}/stats
Operational Data URI	/axapi/v3/fw/server/{name}/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/server

server attributes

```
POST /axapi/v3/fw/server/
Payload:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/fw/server

server attributes

Get Object

GET

/axapi/v3/fw/server/{name}

server attributes

```
GET /axapi/v3/fw/server/a
Reponse:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1",
        "action": "enable",
        "health-check-disable": 0,
        "uuid": "ed57367c-08e5-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/server/a"
    }
}
```

Get List

GET

/axapi/v3/fw/server

server-list

Modify Object

POST

/axapi/v3/fw/server/{name}

server attributes

Replace Object

PUT

/axapi/v3/fw/server/{name}

server attributes

```
PUT /axapi/v3/fw/server/a
Payload:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1"
    }
}
```

Replace List

PUT

/axapi/v3/fw/server

server-list

Delete Object

DELETE

/axapi/v3/fw/server/{name}

server attributes

```
DELETE /axapi/v3/fw/server/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

...

]

server attributes

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server;

Type: string

Supported Values: enable, disable

Default: enable

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

host

Description IP Address

Type: string

Format: ipv4-address

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

port-list

Type: List

Reference Object: */axapi/v3/fw/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl*

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total request success; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy Response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr-conn': Current connections; 'total-conn': Total connections; 'fwd-pkt': Forward packets; 'rev-pkt': Reverse Packets; 'peak-conn': Peak connections;

Type: string

Supported Values: all, curr-conn, total-conn, fwd-pkt, rev-pkt, peak-conn

2.53.67 fw server oper

Operational Status for the object server

server Specification

Parameter	Value
Type	*Collection*
Collection Name	*server-list*
Collection URI	/axapi/v3/fw/server/{name}
Element Name	server
Element URI	/axapi/v3/fw/server/{name}/oper
Element Attributes	server_attributes
Partition Visibility	None
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/server/{name}

server attributes

Create List

POST

/axapi/v3/fw/server/{name}

server attributes

Get Object

GET

/axapi/v3/fw/server/{name}/oper

server attributes

Get List

GET

/axapi/v3/fw/server/{name}

server-list

Modify Object

POST

/axapi/v3/fw/server/{name}/oper

server attributes

Replace Object

PUT

/axapi/v3/fw/server/{name}/oper

server attributes

Replace List

PUT

/axapi/v3/fw/server/{name}

server-list

Delete Object

DELETE

/axapi/v3/fw/server/{name}/oper

server attributes

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

...

]

server attributes

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-list

Type: List

Reference Object: */axapi/v3/fw/server/{name}/port/{port-number}+{protocol}*

oper

Specification	Value
Type	*object*

state

Description

Type: string

Supported Values: UP, DOWN, DELETE, DISABLED, MAINTENANCE

port-list

Specification	Value
Type	*list*
Block object keys	

oper

Description: oper is a **JSON Block**. Please see below for *port-list_oper*

Type: Object

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

port-list_oper

Specification	Value
Type	*object*

alloc_failed

Description

Type: number

ha_group_id

Description

Type: number

ip

Description

Type: string

Format: ipv4-address

ipv6

Description

Type: string

Format: ipv6-address

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

state

Description

Type: string

Supported Values: UP, DOWN, DELETE, DISABLED, MAINTENANCE

vrid

Description

Type: number

2.53.68 fw server port

Real Server Port

port Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/fw/server/{name}/port
Element Name	port
Element URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/stats
Operational Data URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/server/{name}/port

port attributes

Create List

POST

/axapi/v3/fw/server/{name}/port

port attributes

Get Object

GET

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/fw/server/{name}/port

port-list

Modify Object

POST

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/fw/server/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/fw-server-port-tmpl*

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total request success; 'total_fwd_bytes': Forward bytes; 'total_fwd_pkts': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_pkts': Reverse packets; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy request; 'es_resp_count': Total proxy Response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time;

Type: string

Supported Values: all, curr_conn, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time

2.53.69 fw server port oper

Operational Status for the object port

port Specification

Parameter	Value
Type	*Collection*
Collection Name	*port-list*
Collection URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}
Element Name	port
Element URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/oper
Element Attributes	port_attributes
Partition Visibility	None
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Create List

POST

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Get Object

GET

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/oper

port attributes

Get List

GET

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port-list

Modify Object

POST

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/oper

port attributes

Replace Object

PUT

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/oper

port attributes

Replace List

PUT

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port-list

Delete Object

DELETE

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/oper

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

oper

Specification	Value
Type	*object*

alloc_failed

Description

Type: number

ha_group_id

Description

Type: number

ip

Description

Type: string

Format: ipv4-address

ipv6

Description

Type: string

Format: ipv6-address

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

state

Description

Type: string

Supported Values: UP, DOWN, DELETE, DISABLED, MAINTENANCE

vrid

Description

Type: number

2.53.70 fw server port stats

Statistics for the object port

port Specification

Parameter	Value
Type	*Collection*
Collection Name	*port-list*
Collection URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}
Element Name	port
Element URI	/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/stats
Element Attributes	port_attributes
Partition Visibility	None
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Create List

POST

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port attributes

Get Object

GET

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/stats

port attributes

Get List

GET

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port-list

Modify Object

POST

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/stats

port attributes

Replace Object

PUT

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/stats

port attributes

Replace List

PUT

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}

port-list

Delete Object

DELETE

/axapi/v3/fw/server/{name}/port/{port-number}+{protocol}/stats

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

es_req_count

Description Total proxy request

Type: number

Format: counter

es_resp_200

Description Response status 200

Type: number

Format: counter

es_resp_300

Description Response status 300

Type: number

Format: counter

es_resp_400

Description Response status 400

Type: number

Format: counter

es_resp_500

Description Response status 500

Type: number

Format: counter

es_resp_count

Description Total proxy Response

Type: number

Format: counter

es_resp_invalid_http

Description Total non-http response

Type: number

Format: counter

es_resp_other

Description Response status other

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

last_total_conn

Description Last total connections

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Forward bytes

Type: number

Format: counter

total_fwd_pkts

Description Forward packets

Type: number

Format: counter

total_req

Description Total requests

Type: number

Format: counter

total_req_succ

Description Total request success

Type: number

Format: counter

total_rev_bytes

Description Reverse bytes

Type: number

Format: counter

total_rev_pkts

Description Reverse packets

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_good_status_code

Description Total reverse packets with good status code inspected

Type: number

Format: counter

2.53.71 fw server stats

Statistics for the object server

server Specification

Parameter	Value
Type	*Collection*
Collection Name	*server-list*
Collection URI	/axapi/v3/fw/server/{name}
Element Name	server
Element URI	/axapi/v3/fw/server/{name}/stats
Element Attributes	server_attributes
Partition Visibility	None
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/server/{name}

server attributes

Create List

POST

/axapi/v3/fw/server/{name}

server attributes

Get Object

GET

/axapi/v3/fw/server/{name}/stats

server attributes

Get List

GET

/axapi/v3/fw/server/{name}

server-list

Modify Object

POST

/axapi/v3/fw/server/{name}/stats

server attributes

Replace Object

PUT

/axapi/v3/fw/server/{name}/stats

server attributes

Replace List

PUT

/axapi/v3/fw/server/{name}

server-list

Delete Object

DELETE

/axapi/v3/fw/server/{name}/stats

server attributes

server-list

server-list is **JSON List** of *server attributes*

```
server-list : [
        { server attributes },
        { server attributes },
        ...
    ]
```

server attributes

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

port-list

Type: List

Reference Object: */axapi/v3/fw/server/{name}/port/{port-number}+{protocol}*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

port-list

Specification	Value
Type	*list*
Block object keys	

port-number

Description Port Number

Type: number

Range: 1-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *port-list_stats*

Type: Object

port-list_stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

es_req_count

Description Total proxy request

Type: number

Format: counter

es_resp_200

Description Response status 200

Type: number

Format: counter

es_resp_300

Description Response status 300

Type: number

Format: counter

es_resp_400

Description Response status 400

Type: number

Format: counter

es_resp_500

Description Response status 500

Type: number

Format: counter

es_resp_count

Description Total proxy Response

Type: number

Format: counter

es_resp_invalid_http

Description Total non-http response

Type: number

Format: counter

es_resp_other

Description Response status other

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

last_total_conn

Description Last total connections

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Forward bytes

Type: number

Format: counter

total_fwd_pkts

Description Forward packets

Type: number

Format: counter

total_req

Description Total requests

Type: number

Format: counter

total_req_succ

Description Total request success

Type: number

Format: counter

total_rev_bytes

Description Reverse bytes

Type: number

Format: counter

total_rev_pkts

Description Reverse packets

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_good_status_code

Description Total reverse packets with good status code inspected

Type: number

Format: counter

stats

Specification	Value
Type	*object*

curr-conn

Description Current connections

Type: number

Format: counter

fwd-pkt

Description Forward packets

Type: number

Format: counter

peak-conn

Description Peak connections

Type: number

Format: counter

rev-pkt

Description Reverse Packets

Type: number

Format: counter

total-conn

Description Total connections

Type: number

Format: counter

2.53.72 fw service-group

Service Group

service-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/fw/service-group
Element Name	service-group
Element URI	/axapi/v3/fw/service-group/{name}
Element Attributes	service-group_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/service-group/{name}/stats
Operational Data URI	/axapi/v3/fw/service-group/{name}/oper
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/service-group

service-group attributes

```
POST /axapi/v3/fw/service-group/
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/fw/service-group

service-group attributes

Get Object

GET

/axapi/v3/fw/service-group/{name}

service-group attributes

```
GET /axapi/v3/fw/service-group/a
Reponse:
{
    "service-group": {
        "name": "a",
        "protocol": "tcp",
        "traffic-replication-mirror-ip-repl": 0,
        "uuid": "9bbed51c-08e6-11f0-a952-c3be1c247dd7",
        "user-tag": "a",
        "a10-url": "/axapi/v3/fw/service-group/a"
    }
}
```

Get List

GET

/axapi/v3/fw/service-group

service-group-list

Modify Object

POST

/axapi/v3/fw/service-group/{name}

service-group attributes

Replace Object

PUT

/axapi/v3/fw/service-group/{name}

service-group attributes

```
PUT /axapi/v3/fw/service-group/a
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/fw/service-group

service-group-list

Delete Object

DELETE

/axapi/v3/fw/service-group/{name}

service-group attributes

```
DELETE /axapi/v3/fw/service-group/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

health-check

Description Health Check (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/health/monitor*

member-list

Type: List

Reference Object: */axapi/v3/fw/service-group/{name}/member/{name}+{port}*

name

Description FW Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-tmpl*

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Service selection fail drop; 'server_selection_fail_reset': Service selection fail reset; 'service_peak_conn': Service peak connection;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn

member-list

Specification	Value
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/server*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Reference Object: */axapi/v3/fw/server/port*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests success; 'peak_conn': Peak connections; 'response_time': Response time;

'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count; 'state_flaps': State flaps count;

Type: string

Supported Values: all, curr_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

2.53.73 fw service-group member

Service Group Member

member Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name, port*
Collection Name	*member-list*
Collection URI	/axapi/v3/fw/service-group/{name}/member
Element Name	member
Element URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}
Element Attributes	member_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}/stats
Operational Data URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}/oper
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/service-group/{name}/member

member attributes

Create List

POST

/axapi/v3/fw/service-group/{name}/member

member attributes

Get Object

GET

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Get List

GET

/axapi/v3/fw/service-group/{name}/member

member-list

Modify Object

POST

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Replace Object

PUT

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Replace List

PUT

/axapi/v3/fw/service-group/{name}/member

member-list

Delete Object

DELETE

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/server*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/fw-service-group-mem-tmpl*

port

Description Port number

Type: number

Range: 1-65534

Reference Object: */axapi/v3/fw/server/port*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_fwd_bytes': Total forward bytes; 'total_fwd_pkts': Total forward packets; 'total_rev_bytes': Total reverse bytes; 'total_rev_pkts': Total reverse packets; 'total_conn': Total connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ':

Total requests success; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count; 'state_flaps': State flaps count;

Type: string

Supported Values: all, curr_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

2.53.74 fw service-group member oper

Operational Status for the object member

member Specification

Parameter	Value
Type	*Collection*
Collection Name	*member-list*
Collection URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}
Element Name	member
Element URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}/oper
Element Attributes	member_attributes
Partition Visibility	None
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Create List

POST

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Get Object

GET

/axapi/v3/fw/service-group/{name}/member/{name}+{port}/oper

member attributes

Get List

GET

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member-list

Modify Object

POST

/axapi/v3/fw/service-group/{name}/member/{name}+{port}/oper

member attributes

Replace Object

PUT

/axapi/v3/fw/service-group/{name}/member/{name}+{port}/oper

member attributes

Replace List

PUT

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member-list

Delete Object

DELETE

/axapi/v3/fw/service-group/{name}/member/{name}+{port}/oper

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

…

]

member attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port

Description Port number

Type: number

Range: 1-65534

oper

Specification	Value
Type	*object*

alt-list

Type: List

drs-list

Type: List

hm-index

Description

Type: number

hm-key

Description

Type: number

state

Description

Type: string

Supported Values: UP, DOWN, MAINTENANCE

oper_alt-list

Specification	Value
Type	*list*
Block object keys	

alt-curr-conn

Description

Type: number

alt-fwd-pkts

Description

Type: number

alt-name

Description

Type: string

alt-peak-conn

Description

Type: number

alt-port

Description

Type: number

alt-rev-pkts

Description

Type: number

alt-state

Description

Type: string

alt-total-conn

Description

Type: number

oper_drs-list

Specification	Value
Type	*list*
Block object keys	

drs-curr-conn

Description

Type: number

drs-curr-req

Description

Type: number

drs-frsp-time

Description

Type: number

drs-fwd-bts

Description

Type: number

drs-fwd-pkts

Description

Type: number

drs-hm-index

Description

Type: number

drs-hm-key

Description

Type: number

drs-name

Description

Type: string

drs-peak-conn

Description

Type: number

drs-pers-conn

Description

Type: number

drs-port

Description

Type: number

drs-priority

Description

Type: number

drs-rev-bts

Description

Type: number

drs-rev-pkts

Description

Type: number

drs-rsp-time

Description

Type: number

drs-srsp-time

Description

Type: number

drs-state

Description

Type: string

drs-total-conn

Description

Type: number

drs-total-req

Description

Type: number

drs-total-req-succ

Description

Type: number

2.53.75 fw service-group member stats

Statistics for the object member

member Specification

Parameter	Value
Type	*Collection*
Collection Name	*member-list*
Collection URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}
Element Name	member
Element URI	/axapi/v3/fw/service-group/{name}/member/{name}+{port}/stats
Element Attributes	member_attributes
Partition Visibility	None
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Create List

POST

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member attributes

Get Object

GET

/axapi/v3/fw/service-group/{name}/member/{name}+{port}/stats

member attributes

Get List

GET

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member-list

Modify Object

POST

/axapi/v3/fw/service-group/{name}/member/{name}+{port}/stats

member attributes

Replace Object

PUT

/axapi/v3/fw/service-group/{name}/member/{name}+{port}/stats

member attributes

Replace List

PUT

/axapi/v3/fw/service-group/{name}/member/{name}+{port}

member-list

Delete Object

DELETE

/axapi/v3/fw/service-group/{name}/member/{name}+{port}/stats

member attributes

member-list

member-list is **JSON List** of *member attributes*

```
member-list : [
        { member attributes },
        { member attributes },
        ...
    ]
```

member attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Port number

Type: number

Range: 1-65534

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_conn_overflow

Description Current connection counter overflow count

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

state_flaps

Description State flaps count

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Total forward bytes

Type: number

Format: counter

total_fwd_pkts

Description Total forward packets

Type: number

Format: counter

total_req

Description Total requests

Type: number

Format: counter

total_req_succ

Description Total requests success

Type: number

Format: counter

total_rev_bytes

Description Total reverse bytes

Type: number

Format: counter

total_rev_pkts

Description Total reverse packets

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_status_code_2xx

Description Total reverse packets inspected status code 2xx

Type: number

Format: counter

total_rev_pkts_inspected_status_code_non_5xx

Description Total reverse packets inspected status code non 5xx

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

2.53.76 fw service-group oper

Operational Status for the object service-group

service-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/fw/service-group/{name}
Element Name	service-group
Element URI	/axapi/v3/fw/service-group/{name}/oper
Element Attributes	service-group_attributes
Partition Visibility	None
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/service-group/{name}

service-group attributes

Create List

POST

/axapi/v3/fw/service-group/{name}

service-group attributes

Get Object

GET

/axapi/v3/fw/service-group/{name}/oper

service-group attributes

Get List

GET

/axapi/v3/fw/service-group/{name}

service-group-list

Modify Object

POST

/axapi/v3/fw/service-group/{name}/oper

service-group attributes

Replace Object

PUT

/axapi/v3/fw/service-group/{name}/oper

service-group attributes

Replace List

PUT

/axapi/v3/fw/service-group/{name}

service-group-list

Delete Object

DELETE

/axapi/v3/fw/service-group/{name}/oper

service-group attributes

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

…

]

service-group attributes

member-list

Type: List

Reference Object: */axapi/v3/fw/service-group/{name}/member/{name}+{port}*

name

Description FW Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

filter

Description

Type: string

Supported Values: sgm-sort-config

hm_dsr_enable_all_vip

Description

Type: number

pri_affinity_priority

Description

Type: number

servers_disable

Description

Type: number

servers_down

Description

Type: number

servers_total

Description

Type: number

servers_up

Description

Type: number

sgm-list

Type: List

state

Description

Type: string

Supported Values: All Up, Functional Up, Partial Up, Down, Disabled, Unknown

stateless_current_rate

Description

Type: number

stateless_current_usage

Description

Type: number

stateless_state

Description

Type: number

stateless_type

Description

Type: number

oper_sgm-list

Specification	Value
Type	*list*
Block object keys	

sgm-name

Description

Type: string

sgm-port

Description

Type: number

member-list

Specification	Value
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *member-list_oper*

Type: Object

port

Description Port number

Type: number

Range: 1-65534

member-list_oper

Specification	Value
Type	*object*

alt-list

Type: List

drs-list

Type: List

hm-index

Description

Type: number

hm-key

Description

Type: number

state

Description

Type: string

Supported Values: UP, DOWN, MAINTENANCE

member-list_oper_alt-list

Specification	Value
Type	*list*
Block object keys	

alt-curr-conn

Description

Type: number

alt-fwd-pkts

Description

Type: number

alt-name

Description

Type: string

alt-peak-conn

Description

Type: number

alt-port

Description

Type: number

alt-rev-pkts

Description

Type: number

alt-state

Description

Type: string

alt-total-conn

Description

Type: number

member-list_oper_drs-list

Specification	Value
Type	*list*
Block object keys	

drs-curr-conn

Description

Type: number

drs-curr-req

Description

Type: number

drs-frsp-time

Description

Type: number

drs-fwd-bts

Description

Type: number

drs-fwd-pkts

Description

Type: number

drs-hm-index

Description

Type: number

drs-hm-key

Description

Type: number

drs-name

Description

Type: string

drs-peak-conn

Description

Type: number

drs-pers-conn

Description

Type: number

drs-port

Description

Type: number

drs-priority

Description

Type: number

drs-rev-bts

Description

Type: number

drs-rev-pkts

Description

Type: number

drs-rsp-time

Description

Type: number

drs-srsp-time

Description

Type: number

drs-state

Description

Type: string

drs-total-conn

Description

Type: number

drs-total-req

Description

Type: number

drs-total-req-succ

Description

Type: number

2.53.77 fw service-group stats

Statistics for the object service-group

service-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/fw/service-group/{name}
Element Name	service-group
Element URI	/axapi/v3/fw/service-group/{name}/stats
Element Attributes	service-group_attributes
Partition Visibility	None
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/service-group/{name}

service-group attributes

Create List

POST

/axapi/v3/fw/service-group/{name}

service-group attributes

Get Object

GET

/axapi/v3/fw/service-group/{name}/stats

service-group attributes

Get List

GET

/axapi/v3/fw/service-group/{name}

service-group-list

Modify Object

POST

/axapi/v3/fw/service-group/{name}/stats

service-group attributes

Replace Object

PUT

/axapi/v3/fw/service-group/{name}/stats

service-group attributes

Replace List

PUT

/axapi/v3/fw/service-group/{name}

service-group-list

Delete Object

DELETE

/axapi/v3/fw/service-group/{name}/stats

service-group attributes

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

member-list

Type: List

Reference Object: */axapi/v3/fw/service-group/{name}/member/{name}+{port}*

name

Description FW Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

member-list

Specification	Value
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Port number

Type: number

Range: 1-65534

stats

Description: stats is a **JSON Block**. Please see below for *member-list_stats*

Type: Object

member-list_stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_conn_overflow

Description Current connection counter overflow count

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

state_flaps

Description State flaps count

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Total forward bytes

Type: number

Format: counter

total_fwd_pkts

Description Total forward packets

Type: number

Format: counter

total_req

Description Total requests

Type: number

Format: counter

total_req_succ

Description Total requests success

Type: number

Format: counter

total_rev_bytes

Description Total reverse bytes

Type: number

Format: counter

total_rev_pkts

Description Total reverse packets

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_status_code_2xx

Description Total reverse packets inspected status code 2xx

Type: number

Format: counter

total_rev_pkts_inspected_status_code_non_5xx

Description Total reverse packets inspected status code non 5xx

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

stats

Specification	Value
Type	*object*

server_selection_fail_drop

Description Service selection fail drop

Type: number

Format: counter

server_selection_fail_reset

Description Service selection fail reset

Type: number

Format: counter

service_peak_conn

Description Service peak connection

Type: number

Format: counter

2.53.78 fw session-aging

Session aging

session-aging Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*session-aging-list*
Collection URI	/axapi/v3/fw/session-aging
Element Name	session-aging
Element URI	/axapi/v3/fw/session-aging/{name}
Element Attributes	session-aging_attributes
Partition Visibility	shared
Schema	`session-aging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/session-aging

session-aging attributes

```
POST /axapi/v3/fw/session-aging/
Payload:
{
    "session-aging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/fw/session-aging

session-aging attributes

Get Object

GET

/axapi/v3/fw/session-aging/{name}

session-aging attributes

```
GET /axapi/v3/fw/session-aging/a
Reponse:
{
    "session-aging": {
        "name": "a",
        "icmp-idle-timeout": 2,
        "ip-idle-timeout": 30,
        "uuid": "108ad918-08e7-11f0-a952-c3be1c247dd7",
        "user-tag": "a",
        "a10-url": "/axapi/v3/fw/session-aging/a"
    }
}
```

Get List

GET

/axapi/v3/fw/session-aging

session-aging-list

Modify Object

POST

/axapi/v3/fw/session-aging/{name}

session-aging attributes

Replace Object

PUT

/axapi/v3/fw/session-aging/{name}

session-aging attributes

```
PUT /axapi/v3/fw/session-aging/a
Payload:
{
    "session-aging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/fw/session-aging

session-aging-list

Delete Object

DELETE

/axapi/v3/fw/session-aging/{name}

session-aging attributes

```
DELETE /axapi/v3/fw/session-aging/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

session-aging-list

session-aging-list is **JSON List** of *session-aging attributes*

session-aging-list : [

{ *session-aging attributes* },

{ *session-aging attributes* },

...

]

session-aging attributes

icmp-idle-timeout

Description Idle Timeout time (default 2 seconds) (Second, default 2)

Type: number

Range: 2-15000

Default: 2

ip-idle-timeout

Description Idle Timeout time(sec), default is 30 (Second)

Type: number

Range: 1-2097151

Default: 30

name

Description session-aging Template (session-aging Template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Reference Object: */axapi/v3/fw/session-aging/{name}/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Reference Object: */axapi/v3/fw/session-aging/{name}/udp*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	Value
Type	*object*

port-cfg

Type: List

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port-cfg

Specification	Value
Type	*list*
Block object keys	

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

udp-port

Description

Type: number

Range: 1-65535

tcp

Specification	Value
Type	*object*

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 1-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

port-cfg

Type: List

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

Default: 600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-cfg

Specification	Value
Type	*list*
Block object keys	

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 1-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

tcp-port

Description

Type: number

Range: 1-65535

2.53.79 fw session-aging tcp

TCP Aging options

tcp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/fw/session-aging/{name}/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

```
POST /axapi/v3/fw/session-aging/a/tcp
Payload:
{
    "tcp": {
        "tcp-idle-timeout": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

```
GET /axapi/v3/fw/session-aging/a/tcp
Reponse:
{
    "tcp": {
        "tcp-idle-timeout": 1,
        "uuid": "3e487fb8-08e7-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/session-aging/a/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

```
PUT /axapi/v3/fw/session-aging/a/tcp
Payload:
{
    "tcp": {
        "tcp-idle-timeout": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/session-aging/{name}/tcp

tcp attributes

```
DELETE /axapi/v3/fw/session-aging/a/tcp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tcp attributes

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 1-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

port-cfg

Type: List

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

Default: 600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-cfg

Specification	Value
Type	*list*
Block object keys	

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (number)

Type: number

Range: 1-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

tcp-idle-timeout

Description Idle Timeout (sec), default is 600 (number)

Type: number

Range: 1-2097151

tcp-port

Description

Type: number

Range: 1-65535

2.53.80 fw session-aging udp

UDP Aging options

udp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/fw/session-aging/{name}/udp
Element Attributes	udp_attributes
Partition Visibility	shared
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

```
POST /axapi/v3/fw/session-aging/a/udp
Payload:
{
    "udp": {
        "udp-idle-timeout": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

```
GET /axapi/v3/fw/session-aging/a/udp
Reponse:
{
    "udp": {
        "udp-idle-timeout": 1,
        "uuid": "74dac040-08e7-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/session-aging/a/udp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

Replace Object

PUT

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

```
PUT /axapi/v3/fw/session-aging/a/udp
Payload:
{
    "udp": {
        "udp-idle-timeout": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/session-aging/{name}/udp

udp attributes

```
DELETE /axapi/v3/fw/session-aging/a/udp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

udp attributes

port-cfg

Type: List

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-cfg

Specification	Value
Type	*list*
Block object keys	

udp-idle-timeout

Description Idle Timeout (sec), default is 120 (number)

Type: number

Range: 1-2097151

Default: 120

udp-port

Description

Type: number

Range: 1-65535

2.53.81 fw status

Firewall status

status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	status
Element URI	/axapi/v3/fw/status
Element Attributes	status_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/fw/status/oper
Schema	`status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/status

status attributes

Get Object

GET

/axapi/v3/fw/status

status attributes

Modify Object

POST

/axapi/v3/fw/status

status attributes

Replace Object

PUT

/axapi/v3/fw/status

status attributes

Delete Object

DELETE

/axapi/v3/fw/status

status attributes

status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.82 fw status oper

Operational Status for the object status

status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	status
Element URI	/axapi/v3/fw/status/oper
Element Attributes	status_attributes
Partition Visibility	None
Schema	`status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/status/oper

status attributes

Get Object

GET

/axapi/v3/fw/status/oper

status attributes

Modify Object

POST

/axapi/v3/fw/status/oper

status attributes

Replace Object

PUT

/axapi/v3/fw/status/oper

status attributes

Delete Object

DELETE

/axapi/v3/fw/status/oper

status attributes

status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

current-active-rule-set

Description

Type: string

internal

Description

Type: boolean

Supported Values: true, false, 1, 0

most-recent-compilation-attempt

Description

Type: string

most-recent-compilation-status

Description

Type: string

previous-successful-compilation-attempt

Description

Type: string

previous-successful-compilation-duration

Description

Type: string

2.53.83 fw system-status

Firewall system status

system-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system-status
Element URI	/axapi/v3/fw/system-status
Element Attributes	system-status_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/fw/system-status/oper
Schema	`system-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/system-status

system-status attributes

Get Object

GET

/axapi/v3/fw/system-status

system-status attributes

Modify Object

POST

/axapi/v3/fw/system-status

system-status attributes

Replace Object

PUT

/axapi/v3/fw/system-status

system-status attributes

Delete Object

DELETE

/axapi/v3/fw/system-status

system-status attributes

system-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.84 fw system-status oper

Operational Status for the object system-status

system-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system-status
Element URI	/axapi/v3/fw/system-status/oper
Element Attributes	system-status_attributes
Partition Visibility	None
Schema	`system-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/system-status/oper

system-status attributes

Get Object

GET

/axapi/v3/fw/system-status/oper

system-status attributes

Modify Object

POST

/axapi/v3/fw/system-status/oper

system-status attributes

Replace Object

PUT

/axapi/v3/fw/system-status/oper

system-status attributes

Delete Object

DELETE

/axapi/v3/fw/system-status/oper

system-status attributes

system-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

data-sessions-free

Description

Type: number

data-sessions-used

Description

Type: number

radius-entries-free

Description

Type: number

radius-entries-used

Description

Type: number

smp-sessions-free

Description

Type: number

smp-sessions-used

Description

Type: number

2.53.85 fw tap-monitor

Configure tap monitor port

tap-monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tap-monitor
Element URI	/axapi/v3/fw/tap-monitor
Element Attributes	tap-monitor_attributes
Partition Visibility	shared
Schema	`tap-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tap-monitor

tap-monitor attributes

```
POST /axapi/v3/fw/tap-monitor
Payload:
{
    "tap-monitor": {
        "status": "enable"
    }
}
```

Get Object

GET

/axapi/v3/fw/tap-monitor

tap-monitor attributes

```
GET /axapi/v3/fw/tap-monitor
Reponse:
{
    "tap-monitor": {
        "status": "enable",
        "uuid": "b98f6b00-08e7-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/tap-monitor"
    }
}
```

Modify Object

POST

/axapi/v3/fw/tap-monitor

tap-monitor attributes

Replace Object

PUT

/axapi/v3/fw/tap-monitor

tap-monitor attributes

```
PUT /axapi/v3/fw/tap-monitor
Payload:
{
    "tap-monitor": {
        "tap-port-cfg": [
            {
                "tap-eth": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/tap-monitor

tap-monitor attributes

```
DELETE /axapi/v3/fw/tap-monitor
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tap-monitor attributes

status

Description 'enable': Enable tap monitor mode; 'disable': Disable tap monitor mode (Default:Disable);

Type: string

Supported Values: enable, disable

Default: disable

tap-port-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tap-port-cfg

Specification	Value
Type	*list*
Block object keys	

tap-eth

Description Ethernet interface number

Type: number

Format: interface

tap-vlan

Description Vlan number

Type: number

Range: 2-4096

2.53.86 fw tcp

Firewall TCP parameters

tcp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	tcp
Element URI	/axapi/v3/fw/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/fw/tcp

tcp_attributes

tcp attributes

mss-clamp

Description: mss-clamp is a **JSON Block**. Please see below for *mss-clamp*

Type: Object

Reference Object: */axapi/v3/fw/tcp/mss-clamp*

reset-on-error

Description: reset-on-error is a **JSON Block**. Please see below for *reset-on-error*

Type: Object

Reference Object: */axapi/v3/fw/tcp/reset-on-error*

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *syn-cookie*

Type: Object

Reference Object: */axapi/v3/fw/tcp/syn-cookie*

mss-clamp

Specification	Value
Type	*object*

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)}

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reset-on-error

Specification	Value
Type	*object*

enable

Description Enable send TCP reset on error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound

Description 'enable': Enable send TCP reset on error;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syn-cookie

Specification	Value
Type	*object*

sampling-enable

Type: List

syn-cookie-enable

Description Enable Firewall Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-on-threshold

Description on-threshold for Syn-cookie (Decimal number)

Type: number

Range: 1-1000000

syn-cookie-on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syn-cookie_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'syn_ack_sent': SYN cookie SYN ACK sent; 'verification_passed': SYN cookie verification passed; 'verification_failed': SYN cookie verification failed; 'conn_setup_failed': SYN cookie connection setup failed;

Type: string

Supported Values: all, syn_ack_sent, verification_passed, verification_failed, conn_setup_failed

2.53.87 fw tcp mss-clamp

FW TCP MSS Clamping

mss-clamp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mss-clamp
Element URI	/axapi/v3/fw/tcp/mss-clamp
Element Attributes	mss-clamp_attributes
Partition Visibility	shared
Schema	`mss-clamp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

```
POST /axapi/v3/fw/tcp/mss-clamp
Payload:
{
    "mss-clamp": {
        "mss-clamp-type": "fixed",
        "mss-value": 0
    }
}
```

Get Object

GET

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

```
GET /axapi/v3/fw/tcp/mss-clamp
Reponse:
{
    "mss-clamp": {
        "mss-clamp-type": "fixed",
        "mss-value": 0,
        "uuid": "f218ed52-08e7-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/tcp/mss-clamp"
    }
}
```

Modify Object

POST

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

Replace Object

PUT

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

```
PUT /axapi/v3/fw/tcp/mss-clamp
Payload:
{
    "mss-clamp": {
        "mss-clamp-type": "fixed",
        "mss-value": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/tcp/mss-clamp

mss-clamp attributes

```
DELETE /axapi/v3/fw/tcp/mss-clamp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mss-clamp attributes

min

Description Specify the min value allowed for the TCP MSS (Specify the min value allowed for the TCP MSS (default: ((576 - 60 - 60))))

Type: number

Range: 0-1460

Default: 456

mss-clamp-type

Description 'fixed': Specify a fixed max value for the TCP MSS; 'subtract': Specify the value to subtract from the TCP MSS;

Type: string

Supported Values: fixed, subtract

mss-subtract

Description Specify the value to subtract from the TCP MSS (default: not configured)

Type: number

Range: 0-1460

mss-value

Description The max value allowed for the TCP MSS (default: not configured)}

Type: number

Range: 0-1460

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.88 fw tcp reset-on-error

Send TCP resets for invalid sessions (Default: Disabled)

reset-on-error Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reset-on-error
Element URI	/axapi/v3/fw/tcp/reset-on-error
Element Attributes	reset-on-error_attributes
Partition Visibility	shared
Schema	`reset-on-error schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

```
POST /axapi/v3/fw/tcp/reset-on-error
Payload:
{
    "reset-on-error": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

```
GET /axapi/v3/fw/tcp/reset-on-error
Reponse:
{
    "reset-on-error": {
        "enable": 1,
        "uuid": "133506b0-08e8-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/tcp/reset-on-error"
    }
}
```

Modify Object

POST

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

Replace Object

PUT

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

```
PUT /axapi/v3/fw/tcp/reset-on-error
Payload:
{
    "reset-on-error": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/tcp/reset-on-error

reset-on-error attributes

```
DELETE /axapi/v3/fw/tcp/reset-on-error
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

reset-on-error attributes

enable

Description Enable send TCP reset on error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outbound

Description 'enable': Enable send TCP reset on error;

Type: string

Supported Values: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.89 fw tcp-rst-close-immediate

Configure TCP RST behavior

tcp-rst-close-immediate Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp-rst-close-immediate
Element URI	/axapi/v3/fw/tcp-rst-close-immediate
Element Attributes	tcp-rst-close-immediate_attributes
Partition Visibility	shared
Schema	`tcp-rst-close-immediate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

```
POST /axapi/v3/fw/tcp-rst-close-immediate
Payload:
{
    "tcp-rst-close-immediate": {
        "status": "enable"
    }
}
```

Get Object

GET

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

```
GET /axapi/v3/fw/tcp-rst-close-immediate
Reponse:
{
    "tcp-rst-close-immediate": {
        "status": "enable",
        "uuid": "2be0f32c-08e8-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/tcp-rst-close-immediate"
    }
}
```

Modify Object

POST

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

Replace Object

PUT

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

Delete Object

DELETE

/axapi/v3/fw/tcp-rst-close-immediate

tcp-rst-close-immediate attributes

```
DELETE /axapi/v3/fw/tcp-rst-close-immediate
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

tcp-rst-close-immediate attributes

status

Description 'enable': Enable TCP RST close immediate (default); 'disable': Disable TCP RST close immediate;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.90 fw tcp syn-cookie

Configure Firewall Syn-Cookie Protection

syn-cookie Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	syn-cookie
Element URI	/axapi/v3/fw/tcp/syn-cookie
Element Attributes	syn-cookie_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/tcp/syn-cookie/stats
Operational Data URI	/axapi/v3/fw/tcp/syn-cookie/oper
Schema	`syn-cookie schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

```
POST /axapi/v3/fw/tcp/syn-cookie
Payload:
{
    "syn-cookie": {
        "syn-cookie-enable": 1,
        "syn-cookie-on-threshold": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

```
GET /axapi/v3/fw/tcp/syn-cookie
Reponse:
{
    "syn-cookie": {
        "syn-cookie-enable": 1,
        "syn-cookie-on-threshold": 1,
        "syn-cookie-on-timeout": 120,
        "uuid": "46256ef2-08de-11f0-8baa-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/tcp/syn-cookie"
    }
}
```

Modify Object

POST

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

Replace Object

PUT

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

Delete Object

DELETE

/axapi/v3/fw/tcp/syn-cookie

syn-cookie attributes

syn-cookie attributes

sampling-enable

Type: List

syn-cookie-enable

Description Enable Firewall Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-on-threshold

Description on-threshold for Syn-cookie (Decimal number)

Type: number

Range: 1-1000000

syn-cookie-on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'syn_ack_sent': SYN cookie SYN ACK sent; 'verification_passed': SYN cookie verification passed; 'verification_failed': SYN cookie verification failed; 'conn_setup_failed': SYN cookie connection setup failed;

Type: string

Supported Values: all, syn_ack_sent, verification_passed, verification_failed, conn_setup_failed

2.53.91 fw tcp syn-cookie oper

Operational Status for the object syn-cookie

syn-cookie Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	syn-cookie
Element URI	/axapi/v3/fw/tcp/syn-cookie/oper
Element Attributes	syn-cookie_attributes
Partition Visibility	None
Schema	`syn-cookie schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp/syn-cookie/oper

syn-cookie attributes

Get Object

GET

/axapi/v3/fw/tcp/syn-cookie/oper

syn-cookie attributes

Modify Object

POST

/axapi/v3/fw/tcp/syn-cookie/oper

syn-cookie attributes

Replace Object

PUT

/axapi/v3/fw/tcp/syn-cookie/oper

syn-cookie attributes

Delete Object

DELETE

/axapi/v3/fw/tcp/syn-cookie/oper

syn-cookie attributes

syn-cookie attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

syn_cookie_on

Description

Type: number

2.53.92 fw tcp syn-cookie stats

Statistics for the object syn-cookie

syn-cookie Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	syn-cookie
Element URI	/axapi/v3/fw/tcp/syn-cookie/stats
Element Attributes	syn-cookie_attributes
Partition Visibility	None
Schema	`syn-cookie schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp/syn-cookie/stats

syn-cookie attributes

Get Object

GET

/axapi/v3/fw/tcp/syn-cookie/stats

syn-cookie attributes

Modify Object

POST

/axapi/v3/fw/tcp/syn-cookie/stats

syn-cookie attributes

Replace Object

PUT

/axapi/v3/fw/tcp/syn-cookie/stats

syn-cookie attributes

Delete Object

DELETE

/axapi/v3/fw/tcp/syn-cookie/stats

syn-cookie attributes

syn-cookie attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

syn_ack_sent

Description SYN cookie SYN ACK sent

Type: number

Format: counter

verification_failed

Description SYN cookie verification failed

Type: number

Format: counter

verification_passed

Description SYN cookie verification passed

Type: number

Format: counter

2.53.93 fw tcp-window-check

Configure TCP window check

tcp-window-check Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp-window-check
Element URI	/axapi/v3/fw/tcp-window-check
Element Attributes	tcp-window-check_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/fw/tcp-window-check/stats
Schema	`tcp-window-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

```
POST /axapi/v3/fw/tcp-window-check
Payload:
{
    "tcp-window-check": {
        "status": "enable"
    }
}
```

Get Object

GET

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

```
GET /axapi/v3/fw/tcp-window-check
Reponse:
{
    "tcp-window-check": {
        "status": "enable",
        "uuid": "46252d48-08de-11f0-8baa-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/tcp-window-check"
    }
}
```

Modify Object

POST

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

Replace Object

PUT

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

```
PUT /axapi/v3/fw/tcp-window-check
Payload:
{
    "tcp-window-check": {
        "sampling-enable": [
            {
                "counters1": "outside-window"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/tcp-window-check

tcp-window-check attributes

```
DELETE /axapi/v3/fw/tcp-window-check
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tcp-window-check attributes

sampling-enable

Type: List

status

Description 'enable': Enable TCP window check (default); 'disable': Disable TCP window check;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'outside-window': packet dropped counter for outside of tcp window;

Type: string

Supported Values: all, outside-window

2.53.94 fw tcp-window-check stats

Statistics for the object tcp-window-check

tcp-window-check Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp-window-check
Element URI	/axapi/v3/fw/tcp-window-check/stats
Element Attributes	tcp-window-check_attributes
Partition Visibility	None
Schema	`tcp-window-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/tcp-window-check/stats

tcp-window-check attributes

Get Object

GET

/axapi/v3/fw/tcp-window-check/stats

tcp-window-check attributes

Modify Object

POST

/axapi/v3/fw/tcp-window-check/stats

tcp-window-check attributes

Replace Object

PUT

/axapi/v3/fw/tcp-window-check/stats

tcp-window-check attributes

Delete Object

DELETE

/axapi/v3/fw/tcp-window-check/stats

tcp-window-check attributes

tcp-window-check attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

outside-window

Description packet dropped counter for outside of tcp window

Type: number

Format: counter

2.53.95 fw template

Define a FW template

template Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/fw/template
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/fw/template

template_attributes

template attributes

logging-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}*

logging-list

Specification	Value
Type	*list*
Block object keys	

custom

Description: custom is a **JSON Block**. Please see below for *logging-list_custom*

Type: Object

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *logging-list_disable-log-by-destination*

Type: Object

Reference Object: */axapi/v3/fw/template/logging/{name}/disable-log-by-destination*

enable-log-by-destination

Description: enable-log-by-destination is a **JSON Block**. Please see below for *logging-list_enable-log-by-destination*

Type: Object

Reference Object: */axapi/v3/fw/template/logging/{name}/enable-log-by-destination*

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'ascii': A10 Text logging format (ASCII); 'cef': Common Event Format for logging (default);

Type: string

Supported Values: ascii, cef, custom

Default: cef

include-dest-fqdn

Description Include destination FQDN string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Description: include-http is a **JSON Block**. Please see below for *logging-list_include-http*

Type: Object

include-radius-attribute

Description: include-radius-attribute is a **JSON Block**. Please see below for *logging-list_include-radius-attribute*

Type: Object

include-year

Description include the 4-digit year in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *logging-list_log*

Type: Object

merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resolution

Description 'seconds': Logging timestamp resolution in seconds (default); '10-milliseconds': Logging timestamp resolution in 10s of milli-seconds;

Type: string

Supported Values: seconds, 10-milliseconds

Default: seconds

rule

Description: rule is a **JSON Block**. Please see below for *logging-list_rule*

Type: Object

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/service-group*

session-periodic-log

Description: session-periodic-log is a **JSON Block**. Please see below for *logging-list_session-periodic-log*

Type: Object

Reference Object: */axapi/v3/fw/template/logging/{name}/session-periodic-log*

severity

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: informational

source-address

Description: source-address is a **JSON Block**. Please see below for *logging-list_source-address*

Type: Object

Reference Object: */axapi/v3/fw/template/logging/{name}/source-address*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_session-periodic-log

Specification	Value
Type	*object*

interval

Description Logging time interval (minutes) for long lived sessions

Type: number

Range: 1-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_source-address

Specification	Value
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_include-radius-attribute

Specification	Value
Type	*object*

attr-cfg

Type: List

framed-ipv6-prefix

Description Include radius attributes for the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-if-not-existing

Description Configure what string is to be inserted for custom RADIUS attributes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-quote

Description No quotation marks for RADIUS attributes in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

zero-in-custom-attr

Description Insert 0000 for standard and custom attributes in log string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_include-radius-attribute_attr-cfg

Specification	Value
Type	*list*
Block object keys	

attr

Description 'imei': Include IMEI; 'imsi': Include IMSI; 'msisdn': Include MSISDN; 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

attr-event

Description 'http-requests': Include in HTTP request logs; 'sessions': Include in session logs; 'limit-policy': Include in limit policy logs;

Type: string

Supported Values: http-requests, sessions, limit-policy

logging-list_rule

Specification	Value
Type	*object*

rule-http-requests

Description: rule-http-requests is a **JSON Block**. Please see below for *logging-list_rule_rule-http-requests*

Type: Object

logging-list_rule_rule-http-requests

Specification	Value
Type	*object*

dest-port

Type: List

disable-sequence-check

Description Disable http packet sequence check and don't drop out of order packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-all-headers

Description Include all configured headers despite of absence in HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-every-http-request

Description Log every HTTP request in an HTTP 1.1 session (Default: Log the first HTTP request in a session)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-len

Description Max length of URL log (Max URL length (Default: 128 char))

Type: number

Range: 100-1000

Default: 100

logging-list_rule_rule-http-requests_dest-port

Specification	Value
Type	*list*
Block object keys	

dest-port-number

Description

Type: number

Range: 1-65535

include-byte-count

Description Include the byte count of HTTP Request/Response in FW session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_disable-log-by-destination

Specification	Value
Type	*object*

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_disable-log-by-destination_ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_disable-log-by-destination_ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_disable-log-by-destination_ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_disable-log-by-destination_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_include-http

Specification	Value
Type	*object*

file-extension

Description HTTP file extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-cfg

Type: List

l4-session-info

Description Log the L4 session information of the HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Log the HTTP Request Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-number

Description HTTP Request Number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging-list_include-http_header-cfg

Specification	Value
Type	*list*
Block object keys	

custom-header-name

Description Header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

custom-max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

http-header

Description 'cookie': Log HTTP Cookie Header; 'referer': Log HTTP Referer Header; 'user-agent': Log HTTP User-Agent Header; 'header1': Log HTTP Header 1; 'header2': Log HTTP Header 2; 'header3': Log HTTP Header 3;

Type: string

Supported Values: cookie, referer, user-agent, header1, header2, header3

max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

logging-list_enable-log-by-destination

Specification	Value
Type	*object*

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6/{ipv6-addr}*

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_enable-log-by-destination_ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_enable-log-by-destination_ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_enable-log-by-destination_ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_enable-log-by-destination_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_enable-log-by-destination_ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_enable-log-by-destination_ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_enable-log-by-destination_ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_enable-log-by-destination_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

logging-list_custom

Specification	Value
Type	*object*

custom-message

Description: custom-message is a **JSON Block**. Please see below for *logging-list_custom_custom-message*

Type: Object

logging-list_custom_custom-message

Specification	Value
Type	*object*

custom-session-created

Description Session created (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-session-deleted

Description Session deleted (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

logging-list_log

Specification	Value
Type	*object*

http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

2.53.96 fw template logging

Logging Template

logging Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-list*
Collection URI	/axapi/v3/fw/template/logging
Element Name	logging
Element URI	/axapi/v3/fw/template/logging/{name}
Element Attributes	logging_attributes
Partition Visibility	shared
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging

logging attributes

```
POST /axapi/v3/fw/template/logging/
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/fw/template/logging

logging attributes

Get Object

GET

/axapi/v3/fw/template/logging/{name}

logging attributes

```
GET /axapi/v3/fw/template/logging/a
Reponse:
{
    "logging": {
        "name": "a",
        "resolution": "seconds",
        "include-dest-fqdn": 0,
        "merged-style": 0,
        "include-year": 0,
        "include-radius-attribute": {
            "no-quote": 0,
            "framed-ipv6-prefix": 0,
            "insert-if-not-existing": 0
        },
        "include-http": {
            "l4-session-info": 0,
            "method": 0,
            "request-number": 0,
            "file-extension": 0
        },
        "rule": {
            "rule-http-requests": {
                "log-every-http-request": 0,
                "max-url-len": 100,
                "include-all-headers": 0,
                "disable-sequence-check": 0
            }
        },
        "facility": "local0",
        "severity": "informational",
        "format": "cef",
        "uuid": "a62b0a00-08e8-11f0-a952-c3be1c247dd7",
        "user-tag": "a",
        "a10-url": "/axapi/v3/fw/template/logging/a"
    }
}
```

Get List

GET

/axapi/v3/fw/template/logging

logging-list

Modify Object

POST

/axapi/v3/fw/template/logging/{name}

logging attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}

logging attributes

```
PUT /axapi/v3/fw/template/logging/a
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/fw/template/logging

logging-list

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}

logging attributes

```
DELETE /axapi/v3/fw/template/logging/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

logging-list

logging-list is **JSON List** of *logging attributes*

logging-list : [

{ *logging attributes* },

{ *logging attributes* },

...

]

logging attributes

custom

Description: custom is a **JSON Block**. Please see below for *custom*

Type: Object

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *disable-log-by-destination*

Type: Object

Reference Object: */axapi/v3/fw/template/logging/{name}/disable-log-by-destination*

enable-log-by-destination

Description: enable-log-by-destination is a **JSON Block**. Please see below for *enable-log-by-destination*

Type: Object

Reference Object: */axapi/v3/fw/template/logging/{name}/enable-log-by-destination*

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

format

Description 'ascii': A10 Text logging format (ASCII); 'cef': Common Event Format for logging (default);

Type: string

Supported Values: ascii, cef, custom

Default: cef

include-dest-fqdn

Description Include destination FQDN string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http

Description: include-http is a **JSON Block**. Please see below for *include-http*

Type: Object

include-radius-attribute

Description: include-radius-attribute is a **JSON Block**. Please see below for *include-radius-attribute*

Type: Object

include-year

Description include the 4-digit year in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

merged-style

Description Merge creation and deletion of session logs to one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

resolution

Description 'seconds': Logging timestamp resolution in seconds (default); '10-milliseconds': Logging timestamp resolution in 10s of milli-seconds;

Type: string

Supported Values: seconds, 10-milliseconds

Default: seconds

rule

Description: rule is a **JSON Block**. Please see below for *rule*

Type: Object

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/service-group*

session-periodic-log

Description: session-periodic-log is a **JSON Block**. Please see below for *session-periodic-log*

Type: Object

Reference Object: */axapi/v3/fw/template/logging/{name}/session-periodic-log*

severity

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: informational

source-address

Description: source-address is a **JSON Block**. Please see below for *source-address*

Type: Object

Reference Object: */axapi/v3/fw/template/logging/{name}/source-address*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-periodic-log

Specification	Value
Type	*object*

interval

Description Logging time interval (minutes) for long lived sessions

Type: number

Range: 1-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-address

Specification	Value
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

include-radius-attribute

Specification	Value
Type	*object*

attr-cfg

Type: List

framed-ipv6-prefix

Description Include radius attributes for the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-if-not-existing

Description Configure what string is to be inserted for custom RADIUS attributes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-quote

Description No quotation marks for RADIUS attributes in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

zero-in-custom-attr

Description Insert 0000 for standard and custom attributes in log string

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-radius-attribute_attr-cfg

Specification	Value
Type	*list*
Block object keys	

attr

Description 'imei': Include IMEI; 'imsi': Include IMSI; 'msisdn': Include MSISDN; 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

attr-event

Description 'http-requests': Include in HTTP request logs; 'sessions': Include in session logs; 'limit-policy': Include in limit policy logs;

Type: string

Supported Values: http-requests, sessions, limit-policy

rule

Specification	Value
Type	*object*

rule-http-requests

Description: rule-http-requests is a **JSON Block**. Please see below for *rule_rule-http-requests*

Type: Object

rule_rule-http-requests

Specification	Value
Type	*object*

dest-port

Type: List

disable-sequence-check

Description Disable http packet sequence check and don't drop out of order packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-all-headers

Description Include all configured headers despite of absence in HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-every-http-request

Description Log every HTTP request in an HTTP 1.1 session (Default: Log the first HTTP request in a session)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-url-len

Description Max length of URL log (Max URL length (Default: 128 char))

Type: number

Range: 100-1000

Default: 100

rule_rule-http-requests_dest-port

Specification	Value
Type	*list*
Block object keys	

dest-port-number

Description

Type: number

Range: 1-65535

include-byte-count

Description Include the byte count of HTTP Request/Response in FW session deletion logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-log-by-destination

Specification	Value
Type	*object*

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

include-http

Specification	Value
Type	*object*

file-extension

Description HTTP file extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-cfg

Type: List

l4-session-info

Description Log the L4 session information of the HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description Log the HTTP Request Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-number

Description HTTP Request Number

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-http_header-cfg

Specification	Value
Type	*list*
Block object keys	

custom-header-name

Description Header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

custom-max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

http-header

Description 'cookie': Log HTTP Cookie Header; 'referer': Log HTTP Referer Header; 'user-agent': Log HTTP User-Agent Header; 'header1': Log HTTP Header 1; 'header2': Log HTTP Header 2; 'header3': Log HTTP Header 3;

Type: string

Supported Values: cookie, referer, user-agent, header1, header2, header3

max-length

Description Max length for a HTTP request log (Max header length (Default: 100 char))

Type: number

Range: 100-1000

Default: 100

enable-log-by-destination

Specification	Value
Type	*object*

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6/{ipv6-addr}*

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable-log-by-destination_ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable-log-by-destination_ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

enable-log-by-destination_ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

enable-log-by-destination_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

enable-log-by-destination_ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable-log-by-destination_ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

enable-log-by-destination_ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

enable-log-by-destination_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

custom

Specification	Value
Type	*object*

custom-message

Description: custom-message is a **JSON Block**. Please see below for *custom_custom-message*

Type: Object

custom_custom-message

Specification	Value
Type	*object*

custom-session-created

Description Session created (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

custom-session-deleted

Description Session deleted (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

log

Specification	Value
Type	*object*

http-requests

Description 'host': Log the HTTP Host Header; 'url': Log the HTTP Request URL;

Type: string

Supported Values: host, url

2.53.97 fw template logging disable-log-by-destination

Disable firewall logging by the destination IP address, protocol, and port

disable-log-by-destination Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	disable-log-by-destination
Element URI	/axapi/v3/fw/template/logging/{name}/disable-log-by-destination
Element Attributes	disable-log-by-destination_attributes
Partition Visibility	shared
Schema	`disable-log-by-destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

```
POST /axapi/v3/fw/template/logging/a/disable-log-by-destination
Payload:
{
    "disable-log-by-destination": {
        "ip-list": [
            {
                "ipv4-addr": "6.0.0.0/8",
                "user-tag": "a"
            }
        ],
        "tcp-list": [
            {
                "tcp-port-start": 1,
                "tcp-port-end": 1
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Get Object

GET

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

```
GET /axapi/v3/fw/template/logging/a/disable-log-by-destination
Reponse:
{
    "disable-log-by-destination": {
        "tcp-list": [
            {
                "tcp-port-start": 1,
                "tcp-port-end": 1
            }
        ],
        "icmp": 0,
        "others": 0,
        "uuid": "636978ae-08e9-11f0-a952-c3be1c247dd7",
        "ip-list": [
            {
                "ipv4-addr": "6.0.0.0/8",
                "icmp": 0,
                "others": 0,
                "uuid": "63699424-08e9-11f0-a952-c3be1c247dd7",
                "user-tag": "a",
                "a10-url": "/axapi/v3/fw/template/logging/a/disable-log-by-destination/
↪ip/6.0.0.0%2F8"
            }
        ],
        "a10-url": "/axapi/v3/fw/template/logging/a/disable-log-by-destination"
    }
}
```

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

```
PUT /axapi/v3/fw/template/logging/a/disable-log-by-destination
Payload:
{
    "disable-log-by-destination": {
        "ip-list": [
            {
                "ipv4-addr": "6.0.0.0/8",
                "tcp-list": [
                    {
                        "tcp-port-start": 2,
                        "tcp-port-end": 2
                    }
                ]
            }
        ],
        "tcp-list": [
            {
                "tcp-port-start": 2,
                "tcp-port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination

disable-log-by-destination attributes

```
DELETE /axapi/v3/fw/template/logging/a/disable-log-by-destination
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

disable-log-by-destination attributes

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.53.98 fw template logging disable-log-by-destination ip

Configure a filter of IP entry

ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ip-list*
Collection URI	/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip
Element Name	ip
Element URI	/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip

ip attributes

Create List

POST

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip

ip attributes

Get Object

GET

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Get List

GET

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip

ip-list

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace List

PUT

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip

ip-list

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.53.99 fw template logging disable-log-by-destination ip6

Configure a filter of IPv6 entry

ip6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ip6-list*
Collection URI	/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6
Element Name	ip6
Element URI	/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}
Element Attributes	ip6_attributes
Partition Visibility	shared
Schema	`ip6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6

ip6 attributes

Create List

POST

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6

ip6 attributes

Get Object

GET

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Get List

GET

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6

ip6-list

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace List

PUT

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6

ip6-list

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

ip6-list

ip6-list is **JSON List** of *ip6 attributes*

```
ip6-list : [
        { ip6 attributes },
        { ip6 attributes },
        ...
    ]
```

ip6 attributes

icmp

Description Disable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.53.100 fw template logging enable-log-by-destination

Enable firewall logging by the destination IP address, protocol, and port

enable-log-by-destination Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	enable-log-by-destination
Element URI	/axapi/v3/fw/template/logging/{name}/enable-log-by-destination
Element Attributes	enable-log-by-destination_attributes
Partition Visibility	shared
Schema	`enable-log-by-destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination

enable-log-by-destination attributes

```
POST /axapi/v3/fw/template/logging/a/enable-log-by-destination
Payload:
{
    "enable-log-by-destination": {
        "ip-list": [
            {
                "ipv4-addr": "6.0.0.0/8",
                "user-tag": "a"
            }
        ],
        "tcp-list": [
            {
                "tcp-port-start": 1,
                "tcp-port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination

enable-log-by-destination attributes

```
GET /axapi/v3/fw/template/logging/a/enable-log-by-destination
Reponse:
{
    "enable-log-by-destination": {
        "tcp-list": [
            {
                "tcp-port-start": 1,
                "tcp-port-end": 1
            }
        ],
        "icmp": 0,
        "others": 0,
        "uuid": "216b1e34-08ea-11f0-a952-c3be1c247dd7",
        "ip-list": [
            {
                "ipv4-addr": "6.0.0.0/8",
                "icmp": 0,
                "others": 0,
                "uuid": "216b3914-08ea-11f0-a952-c3be1c247dd7",
                "user-tag": "a",
                "a10-url": "/axapi/v3/fw/template/logging/a/enable-log-by-destination/ip/
↪6.0.0.0%2F8"
            }
        ],
        "a10-url": "/axapi/v3/fw/template/logging/a/enable-log-by-destination"
    }
}
```

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination

enable-log-by-destination attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination

enable-log-by-destination attributes

```
PUT /axapi/v3/fw/template/logging/a/enable-log-by-destination
Payload:
{
    "enable-log-by-destination": {
        "ip-list": [
            {
                "ipv4-addr": "6.0.0.0/8",
                "tcp-list": [
                    {
                        "tcp-port-start": 2,
```

(continues on next page)

(continued from previous page)

```
                        "tcp-port-end": 2
                    }
                ]
            }
        ],
        "tcp-list": [
            {
                "tcp-port-start": 2,
                "tcp-port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination

enable-log-by-destination attributes

```
DELETE /axapi/v3/fw/template/logging/a/enable-log-by-destination
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

enable-log-by-destination attributes

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6/{ipv6-addr}*

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.53.101 fw template logging enable-log-by-destination ip

Configure a filter of IP entry

ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ip-list*
Collection URI	/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip
Element Name	ip
Element URI	/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip/{ipv4-addr}
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip

ip attributes

Create List

POST

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip

ip attributes

Get Object

GET

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip/{ipv4-addr}

ip attributes

Get List

GET

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip

ip-list

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace List

PUT

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip

ip-list

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip/{ipv4-addr}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

```
ip-list : [
        { ip attributes },
        { ip attributes },
        ...
    ]
```

ip attributes

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.53.102 fw template logging enable-log-by-destination ip6

Configure a filter of IPv6 entry

ip6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ip6-list*
Collection URI	/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6
Element Name	ip6
Element URI	/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6/{ipv6-addr}
Element Attributes	ip6_attributes
Partition Visibility	shared
Schema	`ip6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6

ip6 attributes

Create List

POST

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6

ip6 attributes

Get Object

GET

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Get List

GET

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6

ip6-list

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace List

PUT

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6

ip6-list

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/enable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

ip6-list

ip6-list is **JSON List** of *ip6 attributes*

```
ip6-list : [
        { ip6 attributes },
        { ip6 attributes },
        ...
    ]
```

ip6 attributes

icmp

Description Enable logging for the ICMP traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Enable logging for the other layer-4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.53.103 fw template logging session-periodic-log

Periodic log for long lived sessions

session-periodic-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	session-periodic-log
Element URI	/axapi/v3/fw/template/logging/{name}/session-periodic-log
Element Attributes	session-periodic-log_attributes
Partition Visibility	shared
Schema	`session-periodic-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/session-periodic-log

session-periodic-log attributes

```
POST /axapi/v3/fw/template/logging/a/session-periodic-log
Payload:
{
    "session-periodic-log": {
        "interval": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/template/logging/{name}/session-periodic-log

session-periodic-log attributes

```
GET /axapi/v3/fw/template/logging/a/session-periodic-log
Reponse:
{
    "session-periodic-log": {
        "interval": 1,
        "uuid": "e07b8e62-08ea-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/template/logging/a/session-periodic-log"
    }
}
```

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/session-periodic-log

session-periodic-log attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/session-periodic-log

session-periodic-log attributes

```
PUT /axapi/v3/fw/template/logging/a/session-periodic-log
Payload:
{
    "session-periodic-log": {
        "interval": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/session-periodic-log

session-periodic-log attributes

```
DELETE /axapi/v3/fw/template/logging/a/session-periodic-log
Reponse:
{
    "response": {
        "http-status": 400,
        "status": "fail",
        "err": {
            "code": 1023459337,
            "msg": "Backend Error"
        }
    }
}
```

session-periodic-log attributes

interval

Description Logging time interval (minutes) for long lived sessions

Type: number

Range: 1-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.104 fw template logging source-address

Specify source address of logging packet

source-address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	source-address
Element URI	/axapi/v3/fw/template/logging/{name}/source-address
Element Attributes	source-address_attributes
Partition Visibility	shared
Schema	`source-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

```
POST /axapi/v3/fw/template/logging/a/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

```
GET /axapi/v3/fw/template/logging/a/source-address
Reponse:
{
    "source-address": {
        "ip": "3.3.3.3",
        "uuid": "f953d778-08ea-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/template/logging/a/source-address"
    }
}
```

Modify Object

POST

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

Replace Object

PUT

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

```
PUT /axapi/v3/fw/template/logging/a/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/template/logging/{name}/source-address

source-address attributes

```
DELETE /axapi/v3/fw/template/logging/a/source-address
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

source-address attributes

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.105 fw top-k-rules

Display top-k rules

top-k-rules Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-k-rules
Element URI	/axapi/v3/fw/top-k-rules
Element Attributes	top-k-rules_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/fw/top-k-rules/oper
Schema	`top-k-rules schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/top-k-rules

top-k-rules attributes

Get Object

GET

/axapi/v3/fw/top-k-rules

top-k-rules attributes

Modify Object

POST

/axapi/v3/fw/top-k-rules

top-k-rules attributes

Replace Object

PUT

/axapi/v3/fw/top-k-rules

top-k-rules attributes

Delete Object

DELETE

/axapi/v3/fw/top-k-rules

top-k-rules attributes

top-k-rules attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.106 fw top-k-rules oper

Operational Status for the object top-k-rules

top-k-rules Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-k-rules
Element URI	/axapi/v3/fw/top-k-rules/oper
Element Attributes	top-k-rules_attributes
Partition Visibility	None
Schema	`top-k-rules schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/top-k-rules/oper

top-k-rules attributes

Get Object

GET

/axapi/v3/fw/top-k-rules/oper

top-k-rules attributes

Modify Object

POST

/axapi/v3/fw/top-k-rules/oper

top-k-rules attributes

Replace Object

PUT

/axapi/v3/fw/top-k-rules/oper

top-k-rules attributes

Delete Object

DELETE

/axapi/v3/fw/top-k-rules/oper

top-k-rules attributes

top-k-rules attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

metric-topk-list

Type: List

oper_metric-topk-list

Specification	Value
Type	*list*
Block object keys	

metric-name

Description

Type: string

topk-list

Type: List

oper_metric-topk-list_topk-list

Specification	Value
Type	*list*
Block object keys	

metric-value

Description

Type: number

rule-name

Description

Type: string

2.53.107 fw urpf

Unicast Reverse Path Forwarding (Default: loose)

urpf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	urpf
Element URI	/axapi/v3/fw/urpf
Element Attributes	urpf_attributes
Partition Visibility	shared
Schema	`urpf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/urpf

urpf attributes

```
POST /axapi/v3/fw/urpf
Payload:
{
    "urpf": {
        "status": "loose"
    }
}
```

Get Object

GET

/axapi/v3/fw/urpf

urpf attributes

```
GET /axapi/v3/fw/urpf
Reponse:
{
    "urpf": {
        "status": "loose",
        "uuid": "2dfd6426-08eb-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/urpf"
    }
}
```

Modify Object

POST

/axapi/v3/fw/urpf

urpf attributes

Replace Object

PUT

/axapi/v3/fw/urpf

urpf attributes

```
PUT /axapi/v3/fw/urpf
Payload:
{
    "urpf": {
        "status": "loose"
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/urpf

urpf attributes

```
DELETE /axapi/v3/fw/urpf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

urpf attributes

status

Description 'loose': Perform loose check; 'strict': Perform strict check; 'disable': Disable check;

Type: string

Supported Values: loose, strict, disable

Default: loose

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.53.108 fw vrid

Vrrp group ID

vrid Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	vrid
Element URI	/axapi/v3/fw/vrid
Element Attributes	vrid_attributes
Partition Visibility	shared
Schema	`vrid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/fw/vrid

vrid attributes

```
POST /axapi/v3/fw/vrid
Payload:
{
    "vrid": {
        "vrid": 1
    }
}
```

Get Object

GET

/axapi/v3/fw/vrid

vrid attributes

```
GET /axapi/v3/fw/vrid
Reponse:
{
    "vrid": {
        "vrid": 1,
        "uuid": "4650d2c4-08eb-11f0-a952-c3be1c247dd7",
        "a10-url": "/axapi/v3/fw/vrid"
    }
}
```

Modify Object

POST

/axapi/v3/fw/vrid

vrid attributes

Replace Object

PUT

/axapi/v3/fw/vrid

vrid attributes

```
PUT /axapi/v3/fw/vrid
Payload:
{
    "vrid": {
        "vrid": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/fw/vrid

vrid attributes

```
DELETE /axapi/v3/fw/vrid
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

vrid attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Vrrp group (VRRP-A vrid)

Type: number

Range: 1-31

2.54 glid

Objects:

2.54.1 glid

Configure global limit ID

glid Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*glid-list*
Collection URI	/axapi/v3/glid
Element Name	glid
Element URI	/axapi/v3/glid/{name}
Element Attributes	glid_attributes
Partition Visibility	shared
Schema	`glid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glid

glid attributes

```
POST /axapi/v3/glid/
Payload:
{
    "glid": {
        "name": "1",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/glid

glid attributes

Get Object

GET

/axapi/v3/glid/{name}

glid attributes

```
GET /axapi/v3/glid/1
Reponse:
{
    "glid": {
        "name": "1",
        "dns": {
            "action": "cache-disable"
        },
        "dns64": {
            "disable": 0,
            "exclusive-answer": 0
        },
        "over-limit-cfg": {
            "over-limit-action": 0
        },
        "uuid": "e7c917a8-b6c3-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/glid/1"
    }
}
```

Get List

GET

/axapi/v3/glid

glid-list

Modify Object

POST

/axapi/v3/glid/{name}

glid attributes

Replace Object

PUT

/axapi/v3/glid/{name}

glid attributes

```
PUT /axapi/v3/glid/1
Payload:
{
    "glid": {
        "name": "1",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/glid

glid-list

Delete Object

DELETE

/axapi/v3/glid/{name}

glid attributes

```
DELETE /axapi/v3/glid/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

glid-list

glid-list is **JSON List** of *glid attributes*

glid-list : [

{ *glid attributes* },

{ *glid attributes* },

...

]

glid attributes

bit-rate-limit

Description Kibit (kibibit / 1024-bit) rate limit per rate-interval

Type: number

Range: 1-16000000

conn-limit

Description Connection Limit for the GLID (PBSLB range 1-1048575)

Type: number

Range: 1-16000000

conn-rate-limit

Description Connection rate limit per rate-interval (TPS range 1-16000000)

Type: number

conn-rate-limit-interval

Description

Type: number

Range: 1-65535

description

Description Description for glid

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

frag-pkt-rate-limit

Description Fragmented packet rate limit per rate-interval

Type: number

Range: 1-16000000

name

Description Global Limit ID Name (PBSLB allows number only)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

over-limit-cfg

Description: over-limit-cfg is a **JSON Block**. Please see below for *over-limit-cfg*

Type: Object

pkt-rate-limit

Description Packet rate limit per rate-interval

Type: number

Range: 1-16000000

rate-unit

Description '1sec': 1sec for internal glid rate unit; 'system-global-setting': use global rate interval;

Type: string

Supported Values: 1sec, system-global-setting

Default: system-global-setting

request-limit

Description Request limit

Type: number

Range: 1-1048575

request-rate-limit

Description Request rate limit

Type: number

Range: 1-4294967295

request-rate-limit-interval

Description Number of 100ms

Type: number

Range: 1-65535

syn-cookie-thr

Description Syn Cookie threshold for the GLID

Type: number

Range: 1-16

use-nat-pool

Description Use NAT pool specified to do reverse NAT for class list members bound to the lid

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

over-limit-cfg

Specification	Value
Type	*object*

action-type

Description 'drop': Silently Drop the new connection / new packet when it exceeds limit; 'blacklist-src': Black List source entry for X minutes (only applied to src and src-dst entries);

Type: string

Supported Values: drop, blacklist-src

action-value

Description 'drop': Silently Drop the new connection / new packet when it exceeds limit; 'dns-cache-disable': Disable dns cache when it exceeds limit; 'dns-cache-enable': Enable dns cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: drop, dns-cache-disable, dns-cache-enable, forward, reset

blacklist-src-min

Description Black List source entry for X minutes

Type: number

Range: 1-30

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action to take when limit(s) exceeds

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns64

Specification	Value
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

dns

Specification	Value
Type	*object*

action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

2.55 glm

Objects:

2.55.1 glm

Set GLM Connection values

glm Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	glm
Element URI	/axapi/v3/glm
Element Attributes	glm_attributes
Partition Visibility	shared
Schema	`glm schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glm

glm attributes

```
POST /axapi/v3/glm
Payload:
{
    "glm": {
        "interval": 1,
        "enterprise-ha-host-list": [
            {
                "host-entry": "abcd"
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/glm

glm attributes

```
GET /axapi/v3/glm
Reponse:
{
    "glm": {
        "interval": 1,
        "use-mgmt-port": 1,
        "enable-requests": 1,
        "burst": 0,
        "uuid": "066c5f88-b6a8-11ef-9616-ae71681635d0",
        "enterprise-ha-host-list": [
            {
                "host-entry": "abcd",
                "uuid": "824ecb56-b6c4-11ef-8f5a-ae71681635d0",
                "a10-url": "/axapi/v3/glm/enterprise-ha-host/abcd"
            }
        ],
        "a10-url": "/axapi/v3/glm"
    }
}
```

Modify Object

POST

/axapi/v3/glm

glm attributes

Replace Object

PUT

/axapi/v3/glm

glm attributes

Delete Object

DELETE

/axapi/v3/glm

glm attributes

glm attributes

allocate-bandwidth

Description Enter the requested bandwidth in Mbps for Capacity Pool

Type: number

Range: 2-819600

appliance-name

Description Helpful identifier for this appliance

Type: string

Maximum Length: 60 characters

Maximum Length: 1 characters

burst

Description Enable Burst License

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

check-expiration

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

create-license-request

Description: create-license-request is a **JSON Block**. Please see below for *create-license-request*

Type: Object

Reference Object: */axapi/v3/glm/create-license-request*

enable-requests

Description Turn on periodic GLM license requests (default license retrieval interval is every 24 hours)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enterprise

Description Enter the ELM hostname, IP or [IPV6]

Type: string

Format: string-rlx

Maximum Length: 65 characters

Maximum Length: 4 characters

enterprise-ha-host-list

Type: List

Reference Object: */axapi/v3/glm/enterprise-ha-host/{host-entry}*

enterprise-request-type

Description 'fqdn': TLS verified with FQDN; 'self-signed': TLS verified with self signed certificate(Default); 'self-signed-pull-cert': Request and use self signed certificate;

Type: string

Supported Values: fqdn, self-signed, self-signed-pull-cert

host

Description

Type: string

Maximum Length: 60 characters

Maximum Length: 4 characters

interval

Description GLM license request interval (in hours)

Type: number

Range: 1-8760

new-license

Description: new-license is a **JSON Block**. Please see below for *new-license*

Type: Object

Reference Object: */axapi/v3/glm/new-license*

port

Description License request port (default 443)

Type: number

Range: 1-65535

proxy-server

Description: proxy-server is a **JSON Block**. Please see below for *proxy-server*

Type: Object

Reference Object: */axapi/v3/glm/proxy-server*

send

Description: send is a **JSON Block**. Please see below for *send*

Type: Object

Reference Object: */axapi/v3/glm/send*

thunder-capacity-license

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

token

Description License entitlement token

Type: string

Maximum Length: 60 characters

Maximum Length: 8 characters

use-mgmt-port

Description Use management port to connect to GLM

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

create-license-request

Specification	Value
Type	*object*

create-license-request

Description Create a GLM trial or license request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

new-license

Specification	Value
Type	*object*

account-name

Description Account Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

country

Description Country

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

existing-org

Description Use existing account with organization ID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

existing-user

Description Use an existing account with email and password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

first-name

Description First Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

glm-email

Description GLM email

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

glm-password

Description GLM password

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

last-name

Description Last Name

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

name

Description License name (Configure license name)

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-email

Description GLM email

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-password

Description GLM password

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

new-user

Description Create a new account

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

org-id

Description GLM organization id

Type: number

Range: 1-899760

phone

Description Phone

Type: string

Format: string-rlx

Maximum Length: 99 characters

Maximum Length: 1 characters

type

Description 'webroot': webroot; 'webroot_trial': webroot_trial; 'webroot_ti': webroot_ti; 'webroot_ti_trial': webroot_ti_trial; 'qosmos': qosmos; 'qosmos_trial': qosmos_trial; 'ipsec_vpn': ipsec_vpn;

Type: string

Supported Values: webroot, webroot_trial, webroot_ti, webroot_ti_trial, qosmos, qosmos_trial, ipsec_vpn

send

Specification	Value
Type	*object*

ha-status

Description Send a ELM HA status request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

harmony

Description Harmony specific single GLM license request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-request

Description Immediately send a single GLM license request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enterprise-ha-host-list

Specification	Value
Type	*list*
Block object keys	

host-entry

Description Enter the ELM hostname, IP or [IPV6]

Type: string

Format: string-rlx

Maximum Length: 60 characters

Maximum Length: 4 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy-server

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Proxy server port

Type: number

Range: 1-65535

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.55.2 glm create-license-request

Create a GLM trial or license request

create-license-request Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	create-license-request
Element URI	/axapi/v3/glm/create-license-request
Element Attributes	create-license-request_attributes
Partition Visibility	shared
Schema	`create-license-request schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glm/create-license-request

create-license-request attributes

```
POST /axapi/v3/glm/create-license-request
Payload:
{
    "create-license-request": {
        "create-license-request": 1
    }
}
```

Get Object

GET

/axapi/v3/glm/create-license-request

create-license-request attributes

```
GET /axapi/v3/glm/create-license-request
Reponse:
{
    "create-license-request": {
        "create-license-request": 1,
        "uuid": "94541608-b6c4-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/glm/create-license-request"
    }
}
```

Modify Object

POST

/axapi/v3/glm/create-license-request

create-license-request attributes

Replace Object

PUT

/axapi/v3/glm/create-license-request

create-license-request attributes

```
PUT /axapi/v3/glm/create-license-request
Payload:
{
    "create-license-request": {
        "create-license-request": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/glm/create-license-request

create-license-request attributes

```
DELETE /axapi/v3/glm/create-license-request
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

create-license-request attributes

create-license-request

Description Create a GLM trial or license request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.55.3 glm enterprise-ha-host

High Avalibility ELM host

enterprise-ha-host Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*host-entry*
Collection Name	*enterprise-ha-host-list*
Collection URI	/axapi/v3/glm/enterprise-ha-host
Element Name	enterprise-ha-host
Element URI	/axapi/v3/glm/enterprise-ha-host/{host-entry}
Element Attributes	enterprise-ha-host_attributes
Partition Visibility	shared
Schema	`enterprise-ha-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glm/enterprise-ha-host

enterprise-ha-host attributes

```
POST /axapi/v3/glm/enterprise-ha-host/
Payload:
{
    "enterprise-ha-host": {
        "host-entry": "abcd"
    }
}
```

Create List

POST

/axapi/v3/glm/enterprise-ha-host

enterprise-ha-host attributes

Get Object

GET

/axapi/v3/glm/enterprise-ha-host/{host-entry}

enterprise-ha-host attributes

Get List

GET

/axapi/v3/glm/enterprise-ha-host

enterprise-ha-host-list

Modify Object

POST

/axapi/v3/glm/enterprise-ha-host/{host-entry}

enterprise-ha-host attributes

Replace Object

PUT

/axapi/v3/glm/enterprise-ha-host/{host-entry}

enterprise-ha-host attributes

Replace List

PUT

/axapi/v3/glm/enterprise-ha-host

enterprise-ha-host-list

Delete Object

DELETE

/axapi/v3/glm/enterprise-ha-host/{host-entry}

enterprise-ha-host attributes

enterprise-ha-host-list

enterprise-ha-host-list is **JSON List** of *enterprise-ha-host attributes*

```
enterprise-ha-host-list : [
        { enterprise-ha-host attributes },
        { enterprise-ha-host attributes },
        ...
    ]
```

enterprise-ha-host attributes

host-entry

Description Enter the ELM hostname, IP or [IPV6]

Type: string

Format: string-rlx

Maximum Length: 60 characters

Maximum Length: 4 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.55.4 glm proxy-server

Connect to GLM through proxy server

proxy-server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	proxy-server
Element URI	/axapi/v3/glm/proxy-server
Element Attributes	proxy-server_attributes
Partition Visibility	shared
Schema	`proxy-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/glm/proxy-server

proxy-server attributes

```
POST /axapi/v3/glm/proxy-server
Payload:
{
    "proxy-server": {
        "host": "a"
    }
}
```

Get Object

GET

/axapi/v3/glm/proxy-server

proxy-server attributes

```
GET /axapi/v3/glm/proxy-server
Reponse:
{
    "proxy-server": {
        "host": "a",
        "password": 0,
        "uuid": "8fbe2c3c-b6c4-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/glm/proxy-server"
    }
}
```

Modify Object

POST

/axapi/v3/glm/proxy-server

proxy-server attributes

Replace Object

PUT

/axapi/v3/glm/proxy-server

proxy-server attributes

```
PUT /axapi/v3/glm/proxy-server
Payload:
{
    "proxy-server": {
        "host": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/glm/proxy-server

proxy-server attributes

```
DELETE /axapi/v3/glm/proxy-server
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

proxy-server attributes

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

host

Description Proxy server hostname or IP address

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

password

Description Password for proxy authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Proxy server port

Type: number

Range: 1-65535

secret-string

Description password value

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Username for proxy authentication

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56 gslb

Objects:

2.56.1 gslb

Global server load balance commands

gslb Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	gslb
Element URI	/axapi/v3/gslb
Element Attributes	gslb_attributes
Partition Visibility	shared
Schema	`gslb schema`

Operations Allowed:

Get Object

GET

/axapi/v3/gslb

gslb_attributes

gslb attributes

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *active-rdt*

Type: Object

Reference Object: */axapi/v3/gslb/active-rdt*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Reference Object: */axapi/v3/gslb/dns*

geo-location-list

Type: List

Reference Object: */axapi/v3/gslb/geo-location/{geo-locn-obj-name}*

geoloc

Description: geoloc is a **JSON Block**. Please see below for *geoloc*

Type: Object

Reference Object: */axapi/v3/gslb/geoloc*

geoloc-rdt

Description: geoloc-rdt is a **JSON Block**. Please see below for *geoloc-rdt*

Type: Object

Reference Object: */axapi/v3/gslb/geoloc-rdt*

geolocation-file

Description: geolocation-file is a **JSON Block**. Please see below for *geolocation-file*

Type: Object

Reference Object: */axapi/v3/gslb/geolocation-file*

group-info

Description: group-info is a **JSON Block**. Please see below for *group-info*

Type: Object

Reference Object: */axapi/v3/gslb/group-info*

group-list

Type: List

Reference Object: */axapi/v3/gslb/group/{name}*

ip-list-info

Description: ip-list-info is a **JSON Block**. Please see below for *ip-list-info*

Type: Object

Reference Object: */axapi/v3/gslb/ip-list-info*

ip-list-list

Type: List

Reference Object: */axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}*

policy-list

Type: List

Reference Object: */axapi/v3/gslb/policy/{name}*

protocol

Description: protocol is a **JSON Block**. Please see below for *protocol*

Type: Object

Reference Object: */axapi/v3/gslb/protocol*

secure-attributes

Description: secure-attributes is a **JSON Block**. Please see below for *secure-attributes*

Type: Object

Reference Object: */axapi/v3/gslb/secure-attributes*

service-group-list

Type: List

Reference Object: */axapi/v3/gslb/service-group/{service-group-name}*

service-ip-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}*

service-matching-rules-list

Type: List

Reference Object: */axapi/v3/gslb/service-matching-rules/{zone}*

service-port

Description: service-port is a **JSON Block**. Please see below for *service-port*

Type: Object

Reference Object: */axapi/v3/gslb/service-port*

site-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}*

statistics

Description: statistics is a **JSON Block**. Please see below for *statistics*

Type: Object

Reference Object: */axapi/v3/gslb/statistics*

sync-objects

Description: sync-objects is a **JSON Block**. Please see below for *sync-objects*

Type: Object

Reference Object: */axapi/v3/gslb/sync-objects*

system

Description: system is a **JSON Block**. Please see below for *system*

Type: Object

Reference Object: */axapi/v3/gslb/system*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Reference Object: */axapi/v3/gslb/template*

zone-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}*

protocol

Specification	Value
Type	*object*

auto-detect

Description Automatically detect SLB Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-new-gslb-sync

Description Disable new gslb config sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-list

Type: List

Reference Object: */axapi/v3/gslb/protocol/enable/{type}*

limit

Description: limit is a **JSON Block**. Please see below for *protocol_limit*

Type: Object

Reference Object: */axapi/v3/gslb/protocol/limit*

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ping-site

Description name of site or ip address to ping

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

secure

Description: secure is a **JSON Block**. Please see below for *protocol_secure*

Type: Object

Reference Object: */axapi/v3/gslb/protocol/secure*

status-interval

Description Specify GSLB Message Protocol update period (The GSLB Protocol update interval (seconds), default is 30)

Type: number

Range: 1-1800

use-mgmt-port

Description Use management port for connections in Shared Partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and use-mgmt-port-for-all-partitions are mutually exclusive

use-mgmt-port-for-all-partitions

Description Use management port for connections in all L3v Partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port-for-all-partitions and use-mgmt-port are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol_secure

Specification	Value
Type	*object*

action

Description 'enable': Enable Secure; 'disable': Disable Secure (default); 'enable-fallback': Fall back to non-secure if fail;

Type: string

Supported Values: enable, disable, enable-fallback

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol_limit

Specification	Value
Type	*object*

ardt-query

Description Query Messages of Active RDT, default is 200 (Number)

Type: number

Range: 0-1000000

Default: 200

ardt-response

Description Response Messages of Active RDT, default is 1000 (Number)

Type: number

Range: 0-1000000

Default: 1000

ardt-session

Description Sessions of Active RDT, default is 32768 (Number)

Type: number

Range: 0-1000000

Default: 32768

conn-response

Description Response Messages of Connection Load, default is no limit (Number)

Type: number

Range: 0-1000000

Default: 0

message

Description Amount of Messages, default is 10000 (Number)

Type: number

Range: 0-1000000

Default: 10000

response

Description Amount of Response Messages, default is 3600 (Number)

Type: number

Range: 0-1000000

Default: 3600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

protocol_enable-list

Specification	Value
Type	*list*
Block object keys	

type

Description 'controller': Enable/Disable GSLB protocol as GSLB controller; 'device': Enable/Disable GSLB protocol as site device;

Type: string

Supported Values: controller, device

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geolocation-file

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-port

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list

Specification	Value
Type	*list*
Block object keys	

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list_geo-locn-multiple-addresses

Specification	Value
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

site-list

Specification	Value
Type	*list*
Block object keys	

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *site-list_active-rdt*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/active-rdt*

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

bw-cost

Description Specify cost of band-width

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

controller

Description Specify the local controller for the GSLB site (Specify the hostname of the local controller)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

disable

Description Disable all servers in the GSLB site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

easy-rdt

Description: easy-rdt is a **JSON Block**. Please see below for *site-list_easy-rdt*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/easy-rdt*

ip-server-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}*

limit

Description Specify the limit for bandwidth, default is unlimited

Type: number

Range: 0-2147483647

multiple-geo-locations

Type: List

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proto-aging-time

Description Specify GSLB Protocol aging time

Type: number

Range: 0-65535

Default: 0

site-name

Description Specify GSLB site name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

slb-dev-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}*

template

Description Specify template to collect site information (Specify GSLB SNMP template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/template/snmp*

threshold

Description Specify the threshold for limit

Type: number

Range: 0-100

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify a weight for the GSLB site (Weight, default is 1)

Type: number

Range: 1-100

Default: 1

site-list_ip-server-list

Specification	Value
Type	*list*
Block object keys	

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list_slb-dev-list

Specification	Value
Type	*list*
Block object keys	

admin-preference

Description Specify administrative preference (Specify admin-preference value,default is 100)

Type: number

Range: 0-255

Default: 100

auto-detect

Description 'ip': Service IP only; 'port': Service Port only; 'ip-and-port': Both service IP and service port; 'disabled': disable auto-detect;

Type: string

Supported Values: ip, port, ip-and-port, disabled

Default: ip-and-port

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

client-ip

Description Specify client IP address

Type: string

Format: ipv4-address

dev-resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN (Default Query type); 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

device-name

Description Specify SLB device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

domain

Description Device hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: domain, ip-address, and ipv6-address are mutually exclusive

gateway-ip-addr

Description IP address

Type: string

Format: ipv4-address

health-check-action

Description 'health-check': Enable health Check; 'health-check-disable': Disable health check;

Type: string

Supported Values: health-check, health-check-disable

Default: health-check

ip-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and domain are mutually exclusive

ipv6-address

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address and domain are mutually exclusive

max-client

Description Specify maximum number of clients, default is 32768

Type: number

Range: 1-2147483647

Default: 32768

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

probe-timer

Description

Type: number

Range: 1-255

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

proto-aging-time

Description Specify GSLB Protocol aging time, default is 60

Type: number

Range: 1-65535

Default: 60

proto-compatible

Description Run GSLB Protocol in compatible mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdt-type

Description 'rdt': rdt; 'site-rdt': site-rdt;

Type: string

Supported Values: rdt, site-rdt

rdt-value

Description Specify Round-delay-time

Type: number

Range: 1-65535

session-number

Description

Type: number

Range: 0-16777214

session-utilization

Description

Type: number

Range: 1-100

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server

Description: vip-server is a **JSON Block**. Please see below for *site-list_slb-dev-list_vip-server*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server*

site-list_slb-dev-list_vip-server

Specification	Value
Type	*object*

vip-server-name-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}*

site-list_slb-dev-list_vip-server_vip-server-v4-list

Specification	Value
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list_slb-dev-list_vip-server_vip-server-v4-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

site-list_slb-dev-list_vip-server_vip-server-v6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list_slb-dev-list_vip-server_vip-server-v6-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

site-list_slb-dev-list_vip-server_vip-server-name-list

Specification	Value
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

site-list_slb-dev-list_vip-server_vip-server-name-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

site-list_multiple-geo-locations

Specification	Value
Type	*list*
Block object keys	

geo-location

Description Specify the geographic location of the GSLB site (Specify geo-location for this site)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

site-list_easy-rdt

Specification	Value
Type	*object*

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

site-list_active-rdt

Specification	Value
Type	*object*

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-rdt

Specification	Value
Type	*object*

domain

Description Specify Query Domain (Specify Domain Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

enable

Description Enable active rdt for system

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp

Description Using ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Specify Query Interval, unit: second, default is 1

Type: number

Range: 1-16383

Default: 1

port

Description Specify local port to send probe packet, default is 0 (no port)

Type: number

Range: 0-65535

Default: 0

retry

Description Specify Retry Count, default is 3

Type: number

Range: 0-16

Default: 3

sleep

Description Specify Sleep Time when query fail, unit: second, default is 3

Type: number

Range: 1-300

Default: 3

timeout

Description Specify Query Timeout, unit: msec, default is 3000

Type: number

Range: 1-16383

Default: 3000

track

Description Specify Tracking Time, unit: second, default is 60

Type: number

Range: 3-16383

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template

Specification	Value
Type	*object*

csv-list

Type: List

Reference Object: */axapi/v3/gslb/template/csv/{csv-name}*

snmp-list

Type: List

Reference Object: */axapi/v3/gslb/template/snmp/{snmp-name}*

template_snmp-list

Specification	Value
Type	*list*
Block object keys	

auth-key

Description Specify authentication key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

auth-proto

Description 'sha': SHA; 'md5': MD5;

Type: string

Supported Values: sha, md5

Default: md5

community

Description Specify community for version 2c (Community name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-engine-id

Description Specify context engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-name

Description Specify context name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Description Specify host (Host name or ip address)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

interface

Description Specify Interface ID

Type: number

Range: 0-2147483647

interval

Description Specify interval, default is 3 (Interval, unit: second, default is 3)

Type: number

Range: 1-999

Default: 3

oid

Description Specify OID

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Specify port, default is 161 (Port Number, default is 161)

Type: number

Range: 1-65535

Default: 161

priv-key

Description Specify privacy key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

priv-proto

Description ‘aes’: AES; ‘des’: DES;

Type: string

Supported Values: aes, des

Default: des

security-engine-id

Description Specify security engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

security-level

Description 'no-auth': No authentication; 'auth-no-priv': Authentication, but no privacy; 'auth-priv': Authentication and privacy;

Type: string

Supported Values: no-auth, auth-no-priv, auth-priv

Default: no-auth

snmp-name

Description Specify name of snmp template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Specify username (User name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description 'v1': Version 1; 'v2c': Version 2c; 'v3': Version 3;

Type: string

Supported Values: v1, v2c, v3

Default: v3

template_csv-list

Specification	Value
Type	*list*
Block object keys	

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_csv-list_multiple-fields

Specification	Value
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city, ASN

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

statistics

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system

Specification	Value
Type	*object*

age-interval

Description Interval to age runtime statistics. 0: never age, default is 10 (Time, unit: sec, default is 10)

Type: number

Range: 0-120

Default: 10

geo-location-iana

Description Load built-in IANA table

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

gslb-group

Description GSLB Group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-load-file-list

Type: List

gslb-service-ip

Description GSLB Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-site

Description GSLB Site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hostname

Description System's Network Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-ttl

Description TTL of IP packets, default is 0 (IP TTL value, default is 0)

Type: number

Range: 0-255

Default: 0

module

Description Specify Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-device

Description SLB Device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-server

Description SLB Server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-virtual-server

Description SLB Virtual Server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wait

Description Disable GSLB until timeout if system is not ready (Time, unit: sec, default is 0)

Type: number

Range: 0-16384

Default: 0

system_gslb-load-file-list

Specification	Value
Type	*list*
Block object keys	

geo-location-load-filename

Description Specify file to be loaded

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-name

Description CSV template to load this file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/template/csv*

secure-attributes

Specification	Value
Type	*object*

action

Description 'enable': Enable Secure; 'disable': Disable Secure; 'enable-fallback': Fall back to non-secure if fail; 'use-global-behavior': Follow global configuration under gslb protocol (default);

Type: string

Supported Values: enable, disable, enable-fallback, use-global-behavior

Default: use-global-behavior

gslb-cert

Description Certificate for Secure GSLB (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

gslb-key

Description Private Key for secure gslb signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-matching-rules-list

Specification	Value
Type	*list*
Block object keys	

disable

Description Disable rule matching on associated zone (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hitcount-enable

Description Enable hit count of rule matching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rule-list

Type: List

Reference Object: */axapi/v3/gslb/service-matching-rules/{zone}/rule/{seq-num}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description GSLB zone name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/zone*

service-matching-rules-list_rule-list

Specification	Value
Type	*list*
Block object keys	

domain-match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

domain-match-type

Description 'equals': Domain name equals to string; 'contains': Domain name contains string; 'starts-with': Domain name starts with string; 'ends-with': Domain name ends with string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

health-state

Type: List

seq-num

Description Sequence number of rule

Type: number

Range: 1-500

service

Description Name of zone service to be redirected

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

src-ipv4

Description Client source IPv4 subnet

Type: string

Format: ipv4-cidr

Mutual Exclusion: src-ipv4 and src-ipv6 are mutually exclusive

src-ipv6

Description Client source IPv6 subnet

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-ipv6 and src-ipv4 are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-matching-rules-list_rule-list_health-state

Specification	Value
Type	*list*
Block object keys	

gslb-service-ip

Description Health state of GSLB service-ip (GSLB service-ip name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

gslb-site

Description Health state of GSLB site (GSLB site name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/site*

service-ip-state

Description 'Up': Up; 'Down': Down;

Type: string

Supported Values: Up, Down

site-state

Description 'AllUp': AllUp; 'Down': Down; 'AllUp-or-PartUp': AllUp-or-PartUp; 'Down-or-PartUp': Down-or-PartUp;

Type: string

Supported Values: AllUp, Down, AllUp-or-PartUp, Down-or-PartUp

slb-server

Description Health state of SLB server (SLB server name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

slb-svr-state

Description 'Up': Up; 'Down': Down;

Type: string

Supported Values: Up, Down

sync-objects

Specification	Value
Type	*object*

action

Description 'disable': Disable dynamic sync (default); 'enable': Enable dynamic sync;

Type: string

Supported Values: disable, enable

Default: disable

object-list

Description: object-list is a **JSON Block**. Please see below for *sync-objects_object-list*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sync-objects_object-list

Specification	Value
Type	*object*

lineage

Description Lineage of object e.g.: slb, slb.service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

dns

Specification	Value
Type	*object*

action

Description 'none': No action (default); 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: none, drop, reject, ignore

Default: none

logging

Description 'none': No logging (default); 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

Default: none

sampling-enable

Type: List

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-query': Total number of DNS queries received; 'total-response': Total number of DNS replies sent to clients; 'bad-packet-query': Number of queries with incorrect data length; 'bad-packet-response': Number of replies with incorrect data length; 'bad-header-query': Number of queries with incorrect header; 'bad-header-response': Number of replies with incorrect header; 'bad-format-query': Number of queries with incorrect format; 'bad-format-response': Number of replies with incorrect format; 'bad-service-query': Number of queries with unknown service; 'bad-service-response': Number of replies with unknown service; 'bad-class-query': Number of queries with incorrect class; 'bad-class-response': Number of replies with incorrect class; 'bad-type-query': Number of queries with incorrect type; 'bad-type-response': Number of replies with incorrect type; 'no_answer': Number of replies with unknown server IP; 'metric_health_check': Metric Health Check Hit; 'metric_weighted_ip': Metric Weighted IP Hit; 'metric_weighted_site': Metric Weighted Site Hit; 'metric_capacity': Metric Capacity Hit; 'metric_active_server': Metric Active Server Hit; 'metric_easy_rdt': Metric Easy RDT Hit; 'metric_active_rdt': Metric Active RDT Hit; 'metric_geographic': Metric Geographic Hit; 'metric_connection_load': Metric Connection Load Hit; 'metric_number_of_sessions': Metric Number of Sessions Hit; 'metric_active_weight': Metric Active Weight Hit; 'metric_admin_preference': Metric Admin Preference Hit; 'metric_bandwidth_quality': Metric Bandwidth Quality Hit; 'metric_bandwidth_cost': Metric Bandwidth Cost Hit; 'metric_user': Metric User Hit; 'metric_least_reponse': Metric Least Reponse Hit; 'metric_admin_ip': Metric Admin IP Hit; 'metric_round_robin': Metric Round Robin Hit;

Type: string

Supported Values: all, total-query, total-response, bad-packet-query, bad-packet-response, bad-header-query, bad-header-response, bad-format-query, bad-format-response, bad-service-query, bad-service-response, bad-class-query, bad-class-response, bad-type-query, bad-type-response, no_answer, metric_health_check, metric_weighted_ip, metric_weighted_site, metric_capacity, metric_active_server, metric_easy_rdt, metric_active_rdt, metric_geographic, metric_connection_load, metric_number_of_sessions, metric_active_weight, metric_admin_preference, metric_bandwidth_quality, metric_bandwidth_cost, metric_user, metric_least_reponse, metric_admin_ip, metric_round_robin, metric_site_connection_count

geoloc-rdt

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geoloc

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-ip-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable this GSLB server; 'disable': Disable this GSLB server;

Type: string

Supported Values: enable, disable

Default: enable

external-ip

Description External IP address for NAT

Type: string

Format: ipv4-address

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-address

Description IP address

Type: string

Format: ipv4-address

ipv6

Description IPv6 address Mapping (Applicable only when service-ip has an IPv4 Address)

Type: string

Format: ipv6-address

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

node-name

Description Service-IP Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}*

sampling-enable

Type: List

service-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-ip-list_port-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check, health-check-follow-port, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable, health-check, and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port, health-check, and health-check-disable are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-ip-list_port-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

service-ip-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the service IP has been selected; 'recent': Recent hits;

Type: string

Supported Values: all, hits, recent

service-ip-list_service-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-ip-list_service-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

service-group-list

Specification	Value
Type	*list*
Block object keys	

dependency-site

Description Dependency on site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-site-list

Type: List

member

Type: List

persistent-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

persistent-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

persistent-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

persistent-site

Description Persistent based on site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-name

Description Specify Service Group name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_disable-site-list

Specification	Value
Type	*list*
Block object keys	

disable-site

Description Site name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/site*

service-group-list_member

Specification	Value
Type	*list*
Block object keys	

member-name

Description Service name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

policy-list

Specification	Value
Type	*list*
Block object keys	

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *policy-list_active-rdt*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/active-rdt*

active-servers-enable

Description Enable Select Service-IP with the highest number of active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-servers-fail-break

Description Break when no active server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

admin-ip-enable

Description Enable admin ip

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

admin-ip-top-only

Description Return highest priority server only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: admin-ip-top-only and ordered-ip-top-only are mutually exclusive

admin-preference

Description Select Service-IP for the device having maximum admin preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alias-admin-preference

Description Select alias name having maximum admin preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

amount-first

Description Select record based on the amount of available service-ip

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-map

Description: auto-map is a **JSON Block**. Please see below for *policy-list_auto-map*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/auto-map*

bw-cost-enable

Description Enable bw cost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-cost-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity

Description: capacity is a **JSON Block**. Please see below for *policy-list_capacity*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/capacity*

connection-count-by-site

Description: connection-count-by-site is a **JSON Block**. Please see below for *policy-list_connection-count-by-site*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/connection-count-by-site*

connection-load

Description: connection-load is a **JSON Block**. Please see below for *policy-list_connection-load*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/connection-load*

dns

Description: dns is a **JSON Block**. Please see below for *policy-list_dns*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/dns*

edns

Description: edns is a **JSON Block**. Please see below for *policy-list_edns*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/edns*

geo-location-list

Type: List

Reference Object: */axapi/v3/gslb/policy/{name}/geo-location/{name}*

geo-location-match

Description: geo-location-match is a **JSON Block**. Please see below for *policy-list_geo-location-match*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/geo-location-match*

geographic

Description Select Service-IP by geographic

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

health-check

Description Select Service-IP by health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

health-check-preference-enable

Description Check health preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-preference-top

Description Only keep top n

Type: number

Range: 1-128

ip-list

Description Specify IP List (IP List Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/ip-list*

least-response

Description Least response selection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-fail-break

Description Break if no valid Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-force-check

Description Always check Service-IP for all enabled metrics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-order

Description Specify order of metric

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-type

Description

Type: string

Format: enum-list

name

Description Specify policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

num-session-enable

Description Enable Select Service-IP for device having maximum number of available sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

num-session-tolerance

Description The difference between the available sessions, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

ordered-ip-top-only

Description Return highest priority server only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ordered-ip-top-only and admin-ip-top-only are mutually exclusive

round-robin

Description Round robin selection, enabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weighted-alias

Description Select alias name by weighted preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-ip-enable

Description Enable Select Service-IP by weighted preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-ip-total-hits

Description Weighted by total hits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-site-enable

Description Enable Select Service-IP by weighted site preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-site-total-hits

Description Weighted by total hits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

policy-list_connection-count-by-site

Specification	Value
Type	*object*

connection-count-enable

Description Enable connection-count-by-site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_auto-map

Specification	Value
Type	*object*

all

Description All modules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and module-type are mutually exclusive

module-disable

Description Specify Disable Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

module-type

Description

Type: string

Format: enum-list

Mutual Exclusion: module-type and all are mutually exclusive

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_edns

Specification	Value
Type	*object*

client-subnet-geographic

Description Use client subnet for geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_active-rdt

Specification	Value
Type	*object*

controller

Description Active round-delay-time by controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

difference

Description The difference between the round-delay-time, default is 0

Type: number

Range: 0-16383

Default: 0

enable

Description Enable the active rdt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-break

Description Break when no valid RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-id

Description Ignore IP Address specified in IP List by ID

Type: number

Range: 0-31

keep-tracking

Description Keep tracking client even round-delay-time samples are ready

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Limit of allowed RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

prefer-dns-sticky

Description Use dns sticky if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proto-rdt-enable

Description Enable the round-delay-time to the controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

samples

Description Specify samples number for round-delay-time (Number of samples,default is 5)

Type: number

Range: 1-8

Default: 5

single-shot

Description Single Shot RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip

Description Skip query if round-delay-time samples are not ready (Specify maximum skip count,default is 3)

Type: number

Range: 1-31

Default: 3

sticky-difference

Description The difference between the round-delay-time of sticky entry

Type: number

Range: 1-16383

timeout

Description Specify timeout if round-delay-time samples are not ready (Specify timeout, unit:sec,default is 3)

Type: number

Range: 1-255

Default: 3

tolerance

Description The difference percentage between the round-delay-time, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_capacity

Specification	Value
Type	*object*

capacity-enable

Description Enable capacity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity-fail-break

Description Break when exceed threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description Specify capacity threshold, default is 90

Type: number

Range: 0-100

Default: 90

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_geo-location-match

Specification	Value
Type	*object*

geo-type-overlap

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

match-first

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

Default: global

overlap

Description Enable overlap mode to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_dns

Specification	Value
Type	*object*

action

Description Apply DNS action for service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-type

Description 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: drop, reject, ignore

active-only

Description Only keep active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-only-fail-safe

Description Continue if no candidate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aging-time

Description Specify aging-time, default is TTL in DNS record, unit: second (Aging time, default 0 means using TTL in DNS record as aging time)

Type: number

Range: 0-1000000000

Default: 0

backup-alias

Description Return alias name when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backup-server

Description Return fallback server when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-action

Description Specify Action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-type

Description

Type: string

Format: enum-list

block-value

Type: List

cache

Description Cache DNS Server response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cname-detect

Description Apply GSLB for DNS Server response when service is Canonical Name (CNAME)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

delegation

Description Zone Delegation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-auto-map

Description Automatically build DNS Infrastructure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-preference

Description Make dynamically change the preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-weight

Description dynamically change the weight

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description Return DNS response with external IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

external-soa

Description Return DNS response with external SOA Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-action

Description Apply DNS action by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-alias

Description Return alias name by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-policy

Description Apply different policy by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hint

Description 'none': None; 'answer': Append Hint Records in DNS Answer Section; 'addition': Append Hint Records in DNS Addition Section;

Type: string

Supported Values: none, answer, addition

Default: addition

ip-replace

Description Replace DNS Server Response with GSLB Service-IPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6

Type: List

logging

Description 'none': None; 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

proxy-block-port-range-list

Type: List

selected-only

Description Only keep selected servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

selected-only-value

Description Answer Number

Type: number

Range: 1-128

server

Description Run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-any

Description Provide All Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any and server-any-with-metric are mutually exclusive

server-any-with-metric

Description Provide All Records with GSLB Metrics applied to A/AAAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any-with-metric and server-any are mutually exclusive

server-authoritative

Description As authoritative server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ns

Description Provide A-Records for NS-Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ptr

Description Provide PTR Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-caa

Description Provide CAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-cname

Description Provide CNAME Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-custom

Description Provide Custom Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-full-list

Description Append All A Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mode-only

Description Only run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-mode-only and zone-owner-mode are mutually exclusive

server-mx

Description Provide MX Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-naptr

Description Provide NAPTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns

Description Provide NS Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns-list

Description Append All NS Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ptr

Description Provide PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-sec

Description Provide DNSSEC support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-srv

Description Provide SRV Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-txt

Description Provide TXT Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky

Description Make DNS Record sticky for certain time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

sticky-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

sticky-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

sticky-options

Description: sticky-options is a **JSON Block**. Please see below for *policy-list_dns_sticky-options*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/dns/sticky-options*

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

ttl

Description Specify the TTL value contained in DNS record (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-owner-mode

Description Only run GSLB as DNS server mode with zone ownership

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: zone-owner-mode and server-mode-only are mutually exclusive

policy-list_dns_block-value

Specification	Value
Type	*list*
Block object keys	

block-value

Description Specify Type Number

Type: number

Range: 1-255

policy-list_dns_ipv6

Specification	Value
Type	*list*
Block object keys	

dns-ipv6-mapping-type

Description 'addition': Append Mapped Record in DNS Addition Section; 'answer': Append Mapped Record in DNS Answer Section; 'exclusive': Only return AAAA Record; 'replace': Replace Record with Mapped Record;

Type: string

Supported Values: addition, answer, exclusive, replace

dns-ipv6-option

Description 'mix': Return both AAAA Record and A Record; 'smart': Return AAAA Record by DNS Query Type; 'mapping': Map A Record to AAAA Record;

Type: string

Supported Values: mix, smart, mapping

policy-list_dns_sticky-options

Specification	Value
Type	*object*

edns-client-subnet

Description Use ECS for sticky creation and lookup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

only-ecs

Description Only use ECS for session creation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_dns_proxy-block-port-range-list

Specification	Value
Type	*list*
Block object keys	

proxy-block-range-from

Description Specify Type Range (From)

Type: number

proxy-block-range-to

Description To

Type: number

policy-list_geo-location-list

Specification	Value
Type	*list*
Block object keys	

ip-multiple-fields

Type: List

ipv6-multiple-fields

Type: List

name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_geo-location-list_ip-multiple-fields

Specification	Value
Type	*list*
Block object keys	

ip-addr2-sub

Description Specify IP address range

Type: string

Format: ipv4-address

ip-mask-sub

Description Specify IP/mask format (Specify IP address mask)

Type: string

Format: ipv4-netmask-brief

ip-sub

Description Specify IP information

Type: string

Format: ipv4-address

policy-list_geo-location-list_ipv6-multiple-fields

Specification	Value
Type	*list*
Block object keys	

ipv6-addr2-sub

Description Specify IPv6 address range

Type: string

Format: ipv6-address

ipv6-mask-sub

Description Specify IPv6/mask format (Specify IP address mask)

Type: number

Range: 0-128

ipv6-sub

Description Specify IPv6 information

Type: string

Format: ipv6-address

policy-list_connection-load

Specification	Value
Type	*object*

connection-load-enable

Description Enable connection-load

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-interval

Description Interval between two samples, Unit: second (Interval value,default is 5)

Type: number

Range: 1-60

Default: 5

connection-load-limit

Description The value of the connection-load limit, default is unlimited

Type: number

Range: 1-999999999

connection-load-samples

Description Specify samples for connection-load (Number of samples used to calculate the connection load, default is 5)

Type: number

Range: 1-8

Default: 5

limit

Description Limit of maxinum connection load, default is unlimited

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list-list

Specification	Value
Type	*list*
Block object keys	

gslb-ip-list-addr-list

Type: List

gslb-ip-list-filename

Description Load IP List file (IP List filename)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

gslb-ip-list-obj-name

Description Specify IP List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list-list_gslb-ip-list-addr-list

Specification	Value
Type	*list*
Block object keys	

id

Description ID Number

Type: number

Range: 0-31

ip

Description Specify IP address

Type: string

Format: ipv4-address

ip-mask

Description IP mask

Type: string

Format: ipv4-netmask

zone-list

Specification	Value
Type	*list*
Block object keys	

disable

Description Disable all services in the GSLB zone

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}*

dns-soa-record

Description: dns-soa-record is a **JSON Block**. Please see below for *zone-list_dns-soa-record*

Type: Object

name

Description Specify the name for the DNS zone

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Specify the policy for this zone (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

sampling-enable

Type: List

service-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}*

template

Description: template is a **JSON Block**. Please see below for *zone-list_template*

Type: Object

ttl

Description Specify the zone ttl value (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_dns-ns-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_dns-caa-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_dns-mx-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Total Number of DNS queries received for the zone; 'sent-response': Total Number of DNS replies sent to clients for the zone; 'proxy-mode-response': Total Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the zone; 'cache-mode-response': Total Number of cached DNS replies sent to clients by the ACOS device for the zone. (This statistic applies only if the DNS cac; 'server-mode-response': Total Number of DNS replies sent to clients by the ACOS device as a DNS server for the zone. (This statistic applies only if th; 'sticky-mode-response': Total Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies on; 'backup-mode-response': Total Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response, smrule-redir-from-svc-hit, smrule-redir-from-svc-miss

zone-list_template

Specification	Value
Type	*object*

dnssec

Description Specify DNSSEC template (Specify template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

zone-list_dns-soa-record

Specification	Value
Type	*object*

ex-expire

Description Specify Expire Time Interval, default is 1209600

Type: number

Range: 0-2147483647

Default: 1209600

ex-mail

Description Mailbox

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ex-refresh

Description Specify Refresh Time Interval, default is 3600

Type: number

Range: 0-2147483647

Default: 3600

ex-retry

Description Specify Retry Time Interval, default is 900

Type: number

Range: 0-2147483647

Default: 900

ex-serial

Description Specify Serial Number, default is Current Time (Time Interval)

Type: number

Range: 0-2147483647

ex-soa-ttl

Description Specify Negative caching TTL, default is Zone TTL

Type: number

Range: 0-2147483647

expire

Description Specify Expire Time Interval, default is 1209600

Type: number

Range: 0-2147483647

Default: 1209600

external

Description Specify External SOA Record (DNS Server Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

mail

Description Mailbox

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

refresh

Description Specify Refresh Time Interval, default is 3600

Type: number

Range: 0-2147483647

Default: 3600

retry

Description Specify Retry Time Interval, default is 900

Type: number

Range: 0-2147483647

Default: 900

serial

Description Specify Serial Number, default is Current Time (Time Interval)

Type: number

Range: 0-2147483647

soa-name

Description DNS Server Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

soa-ttl

Description Specify Negative caching TTL, default is Zone TTL

Type: number

Range: 0-2147483647

zone-list_service-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'drop': Drop query; 'forward': Forward packet; 'ignore': Send empty response; 'reject': Send refuse response;

Type: string

Supported Values: drop, forward, ignore, reject

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record

Description: dns-a-record is a **JSON Block**. Please see below for *zone-list_service-list_dns-a-record*

Type: Object

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record*

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-cname-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}*

dns-naptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}*

dns-ptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}*

dns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}*

dns-srv-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}*

dns-txt-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}*

forward-type

Description 'both': Forward both query and response; 'query': Forward query; 'response': Forward response;

Type: string

Supported Values: both, query, response

geo-location-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}*

health-check-gateway

Description 'enable': Enable Gateway Status Check; 'disable': Disable Gateway Status Check;

Type: string

Supported Values: enable, disable

Default: enable

health-check-port

Type: List

policy

Description Specify policy for this service (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-ptr-record-list

Specification	Value
Type	*list*
Block object keys	

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-ptr-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_geo-location-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action for this geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: action and policy are mutually exclusive

action-type

Description 'allow': Allow query from this geo-location; 'drop': Drop query from this geo-location; 'forward': Forward packet for this geo-location; 'ignore': Send empty response to this geo-location; 'reject': Send refuse response to this geo-location;

Type: string

Supported Values: allow, drop, forward, ignore, reject

alias

Type: List

forward-type

Description 'both': Forward both query and response; 'query': Forward query from this geo-location; 'response': Forward response to this geo-location;

Type: string

Supported Values: both, query, response

geo-name

Description Specify the geo-location

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Policy for this geo-location (Specify the policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: policy and action are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_geo-location-list_alias

Specification	Value
Type	*list*
Block object keys	

alias

Description Send CNAME response for this geo-location (Specify a CNAME record)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

zone-list_service-list_dns-cname-record-list

Specification	Value
Type	*list*
Block object keys	

admin-preference

Description Specify Administrative Preference, default is 100

Type: number

Range: 0-255

Default: 100

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 1

Type: number

Range: 1-100

Default: 1

zone-list_service-list_dns-cname-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cname-hits': Number of times the CNAME has been used;

Type: string

Supported Values: all, cname-hits

zone-list_service-list_dns-txt-record-list

Specification	Value
Type	*list*
Block object keys	

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

txt-data

Description Specify TXT Data

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-txt-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_dns-naptr-record-list

Specification	Value
Type	*list*
Block object keys	

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

order

Description Specify Order

Type: number

Range: 0-65535

preference

Description Specify Preference

Type: number

Range: 0-65535

regexp

Description Return the regular expression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-naptr-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'naptr-hits': Number of times the NAPTR has been used;

Type: string

Supported Values: all, naptr-hits

zone-list_service-list_health-check-port

Specification	Value
Type	*list*
Block object keys	

health-check-port

Description Check Related Port Status (Port Number)

Type: number

Range: 0-65534

zone-list_service-list_dns-record-list

Specification	Value
Type	*list*
Block object keys	

data

Description Specify DNS Data

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

type

Description Specify DNS Type

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-a-record

Specification	Value
Type	*object*

dns-a-record-ipv4-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}*

dns-a-record-ipv6-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}*

dns-a-record-srv-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}*

zone-list_service-list_dns-a-record_dns-a-record-ipv6-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

zone-list_service-list_dns-a-record_dns-a-record-ipv4-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

zone-list_service-list_dns-a-record_dns-a-record-srv-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-name

Description Specify port service name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

zone-list_service-list_dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-ns-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-caa-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the CAA has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-list_service-list_dns-mx-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

zone-list_service-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Number of DNS queries received for the service; 'sent-response': Number of DNS replies sent to clients for the service; 'proxy-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service; 'cache-mode-response': Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache; 'server-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D; 'sticky-mode-response': Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if; 'backup-mode-response': help Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response, smrule-redir-from-svc-hit, smrule-redir-from-svc-miss

zone-list_service-list_dns-srv-record-list

Specification	Value
Type	*list*
Block object keys	

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 10

Type: number

Range: 0-65535

Default: 10

zone-list_service-list_dns-srv-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

group-list

Specification	Value
Type	*list*
Block object keys	

auto-map-learn

Description IP Address learned from other controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

auto-map-primary

Description Primary Controller's IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

auto-map-smart

Description Choose Best IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

config-anywhere

Description Every member can do config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

config-merge

Description Merge old master's config when new one take over

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

config-save

Description Accept config-save message from master

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

data-interface

Description Data Interface IP Address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

delay-start

Description Specify time for gslb group to delay start formation if VCS is enabled (Specify delay start for VCS, unit:minute,default is 0)

Type: number

Range: 0-60

Default: 0

dns-discover

Description Discover member via DNS Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

enable

Description Join GSLB Group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force-full-sync

Description Force GSLB to full sync config and files to members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

learn

Description Learn neighbour information from other controllers

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

mgmt-interface

Description Management Interface IP Address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

name

Description Specify Group domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

primary-ipv6-list

Type: List

primary-list

Type: List

priority

Description Specify Local Priority, default is 100

Type: number

Range: 1-255

Default: 100

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN (Default Query type); 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

standalone

Description Run GSLB Group in standalone mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

suffix

Description Set DNS Suffix (Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sync-timeout

Description Specify timeout for gslb config sync (Specify timeout, unit:minute,default is 1)

Type: number

Range: 1-60

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list_primary-ipv6-list

Specification	Value
Type	*list*
Block object keys	

primary-ipv6

Description Specify Primary controller's IP address

Type: string

Format: ipv6-address

group-list_primary-list

Specification	Value
Type	*list*
Block object keys	

primary

Description Specify Primary controller's IP address

Type: string

Format: ipv4-address

2.56.2 gslb active-rdt

Active RDT Options

active-rdt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	active-rdt
Element URI	/axapi/v3/gslb/active-rdt
Element Attributes	active-rdt_attributes
Partition Visibility	shared
Schema	`active-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/active-rdt

active-rdt attributes

```
POST /axapi/v3/gslb/active-rdt
Payload:
{
    "active-rdt": {
        "domain": "a"
    }
}
```

Get Object

GET

/axapi/v3/gslb/active-rdt

active-rdt attributes

```
GET /axapi/v3/gslb/active-rdt
Reponse:
{
    "active-rdt": {
        "domain": "a",
        "interval": 1,
        "port": 0,
        "sleep": 3,
        "timeout": 3000,
        "track": 60,
        "retry": 3,
        "icmp": 0,
        "uuid": "55b1eaaa-0909-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/active-rdt"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/active-rdt

active-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/active-rdt

active-rdt attributes

```
PUT /axapi/v3/gslb/active-rdt
Payload:
{
    "active-rdt": {
        "domain": "abcd"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/active-rdt

active-rdt attributes

```
DELETE /axapi/v3/gslb/active-rdt
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

active-rdt attributes

domain

Description Specify Query Domain (Specify Domain Name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

enable

Description Enable active rdt for system

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp

Description Using ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Specify Query Interval, unit: second, default is 1

Type: number

Range: 1-16383

Default: 1

port

Description Specify local port to send probe packet, default is 0 (no port)

Type: number

Range: 0-65535

Default: 0

retry

Description Specify Retry Count, default is 3

Type: number

Range: 0-16

Default: 3

sleep

Description Specify Sleep Time when query fail, unit: second, default is 3

Type: number

Range: 1-300

Default: 3

timeout

Description Specify Query Timeout, unit: msec, default is 3000

Type: number

Range: 1-16383

Default: 3000

track

Description Specify Tracking Time, unit: second, default is 60

Type: number

Range: 3-16383

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.3 gslb dns

DNS Global Options

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/gslb/dns
Element Attributes	dns_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/dns/stats
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/dns

dns attributes

```
POST /axapi/v3/gslb/dns
Payload:
{
    "dns": {
        "action": "none"
    }
}
```

Get Object

GET

/axapi/v3/gslb/dns

dns attributes

```
GET /axapi/v3/gslb/dns
Reponse:
{
    "dns": {
        "action": "none",
        "logging": "none",
        "uuid": "9e492f34-0905-11f0-84e1-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/dns"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/dns

dns attributes

Replace Object

PUT

/axapi/v3/gslb/dns

dns attributes

```
PUT /axapi/v3/gslb/dns
Payload:
{
    "dns": {
        "action": "drop"
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/dns

dns attributes

```
DELETE /axapi/v3/gslb/dns
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns attributes

action

Description 'none': No action (default); 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: none, drop, reject, ignore

Default: none

logging

Description 'none': No logging (default); 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

Default: none

sampling-enable

Type: List

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-query': Total number of DNS queries received; 'total-response': Total number of DNS replies sent to clients; 'bad-packet-query': Number of queries with incorrect data length; 'bad-packet-response': Number of replies with incorrect data length; 'bad-header-query': Number of queries with incorrect header; 'bad-header-response': Number of replies with incorrect header; 'bad-format-query': Number of queries with incorrect format; 'bad-format-response': Number of replies with incorrect format; 'bad-service-query': Number of queries with unknown service; 'bad-service-response': Number of replies with unknown service; 'bad-class-query': Number of queries with incorrect class; 'bad-class-response': Number of replies with incorrect class; 'bad-type-query': Number of queries with incorrect type; 'bad-type-response': Number of replies with incorrect type; 'no_answer': Number of replies with unknown server IP; 'metric_health_check': Metric Health Check Hit; 'metric_weighted_ip': Metric Weighted IP Hit; 'metric_weighted_site': Metric Weighted Site Hit; 'metric_capacity': Metric Capacity Hit; 'metric_active_server': Metric Active Server Hit; 'metric_easy_rdt': Metric Easy RDT Hit; 'metric_active_rdt': Metric Active RDT Hit; 'metric_geographic': Metric Geographic Hit; 'metric_connection_load': Metric Connection Load Hit; 'metric_number_of_sessions': Metric Number of Sessions Hit; 'metric_active_weight': Metric Active Weight Hit; 'metric_admin_preference': Metric Admin Preference Hit; 'metric_bandwidth_quality': Metric Bandwidth Quality Hit; 'metric_bandwidth_cost': Metric Bandwidth Cost Hit; 'metric_user': Metric User Hit; 'metric_least_reponse': Metric Least

Reponse Hit; 'metric_admin_ip': Metric Admin IP Hit; 'metric_round_robin': Metric Round Robin Hit;

Type: string

Supported Values: all, total-query, total-response, bad-packet-query, bad-packet-response, bad-header-query, bad-header-response, bad-format-query, bad-format-response, bad-service-query, bad-service-response, bad-class-query, bad-class-response, bad-type-query, bad-type-response, no_answer, metric_health_check, metric_weighted_ip, metric_weighted_site, metric_capacity, metric_active_server, metric_easy_rdt, metric_active_rdt, metric_geographic, metric_connection_load, metric_number_of_sessions, metric_active_weight, metric_admin_preference, metric_bandwidth_quality, metric_bandwidth_cost, metric_user, metric_least_reponse, metric_admin_ip, metric_round_robin, metric_site_connection_count

2.56.4 gslb dns stats

Statistics for the object dns

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/gslb/dns/stats
Element Attributes	dns_attributes
Partition Visibility	None
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/dns/stats

dns attributes

Get Object

GET

/axapi/v3/gslb/dns/stats

dns attributes

Modify Object

POST

/axapi/v3/gslb/dns/stats

dns attributes

Replace Object

PUT

/axapi/v3/gslb/dns/stats

dns attributes

Delete Object

DELETE

/axapi/v3/gslb/dns/stats

dns attributes

dns attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad-class-query

Description Number of queries with incorrect class

Type: number

Format: counter

bad-class-response

Description Number of replies with incorrect class

Type: number

Format: counter

bad-format-query

Description Number of queries with incorrect format

Type: number

Format: counter

bad-format-response

Description Number of replies with incorrect format

Type: number

Format: counter

bad-header-query

Description Number of queries with incorrect header

Type: number

Format: counter

bad-header-response

Description Number of replies with incorrect header

Type: number

Format: counter

bad-packet-query

Description Number of queries with incorrect data length

Type: number

Format: counter

bad-packet-response

Description Number of replies with incorrect data length

Type: number

Format: counter

bad-service-query

Description Number of queries with unknown service

Type: number

Format: counter

bad-service-response

Description Number of replies with unknown service

Type: number

Format: counter

bad-type-query

Description Number of queries with incorrect type

Type: number

Format: counter

bad-type-response

Description Number of replies with incorrect type

Type: number

Format: counter

metric_active_rdt

Description Metric Active RDT Hit

Type: number

Format: counter

metric_active_server

Description Metric Active Server Hit

Type: number

Format: counter

metric_active_weight

Description Metric Active Weight Hit

Type: number

Format: counter

metric_admin_ip

Description Metric Admin IP Hit

Type: number

Format: counter

metric_admin_preference

Description Metric Admin Preference Hit

Type: number

Format: counter

metric_bandwidth_cost

Description Metric Bandwidth Cost Hit

Type: number

Format: counter

metric_bandwidth_quality

Description Metric Bandwidth Quality Hit

Type: number

Format: counter

metric_capacity

Description Metric Capacity Hit

Type: number

Format: counter

metric_connection_load

Description Metric Connection Load Hit

Type: number

Format: counter

metric_easy_rdt

Description Metric Easy RDT Hit

Type: number

Format: counter

metric_geographic

Description Metric Geographic Hit

Type: number

Format: counter

metric_health_check

Description Metric Health Check Hit

Type: number

Format: counter

metric_least_reponse

Description Metric Least Reponse Hit

Type: number

Format: counter

metric_number_of_sessions

Description Metric Number of Sessions Hit

Type: number

Format: counter

metric_round_robin

Description Metric Round Robin Hit

Type: number

Format: counter

metric_site_connection_count

Description Metric Connection Count by Site Hit

Type: number

Format: counter

metric_user

Description Metric User Hit

Type: number

Format: counter

metric_weighted_ip

Description Metric Weighted IP Hit

Type: number

Format: counter

metric_weighted_site

Description Metric Weighted Site Hit

Type: number

Format: counter

no_answer

Description Number of replies with unknown server IP

Type: number

Format: counter

total-query

Description Total number of DNS queries received

Type: number

Format: counter

total-response

Description Total number of DNS replies sent to clients

Type: number

Format: counter

2.56.5 gslb geo-location

Configure a GSLB global geo-location object

geo-location Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*geo-locn-obj-name*
Collection Name	*geo-location-list*
Collection URI	/axapi/v3/gslb/geo-location
Element Name	geo-location
Element URI	/axapi/v3/gslb/geo-location/{geo-locn-obj-name}
Element Attributes	geo-location_attributes
Partition Visibility	shared
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/geo-location

geo-location attributes

```
POST /axapi/v3/gslb/geo-location/
Payload:
{
    "geo-location": {
        "geo-locn-obj-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/gslb/geo-location/{geo-locn-obj-name}

geo-location attributes

```
GET /axapi/v3/gslb/geo-location/a
Reponse:
{
    "geo-location": {
        "geo-locn-obj-name": "a",
        "uuid": "a56a53e8-0909-11f0-9794-815a0f7f8297",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/geo-location/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/geo-location

geo-location-list

Modify Object

POST

/axapi/v3/gslb/geo-location/{geo-locn-obj-name}

geo-location attributes

Replace Object

PUT

/axapi/v3/gslb/geo-location/{geo-locn-obj-name}

geo-location attributes

```
PUT /axapi/v3/gslb/geo-location/a
Payload:
{
    "geo-location": {
        "geo-locn-obj-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/geo-location

geo-location-list

Delete Object

DELETE

/axapi/v3/gslb/geo-location/{geo-locn-obj-name}

geo-location attributes

```
DELETE /axapi/v3/gslb/geo-location/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

geo-location-list

geo-location-list is **JSON List** of *geo-location attributes*

geo-location-list : [

{ *geo-location attributes* },

{ *geo-location attributes* },

...

]

geo-location attributes

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-locn-multiple-addresses

Specification	Value
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

2.56.6 gslb geoloc oper

Operational Status for the object geoloc

geoloc Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geoloc
Element URI	/axapi/v3/gslb/geoloc/oper
Element Attributes	geoloc_attributes
Partition Visibility	None
Schema	`geoloc schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/geoloc/oper

geoloc attributes

Get Object

GET

/axapi/v3/gslb/geoloc/oper

geoloc attributes

Modify Object

POST

/axapi/v3/gslb/geoloc/oper

geoloc attributes

Replace Object

PUT

/axapi/v3/gslb/geoloc/oper

geoloc attributes

Delete Object

DELETE

/axapi/v3/gslb/geoloc/oper

geoloc attributes

geoloc attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

depth

Description

Type: number

filter1

Description

Type: string

Supported Values: directory, statistics, global

filter2

Description

Type: string

Supported Values: directory, statistics, global

filter3

Description

Type: string

Supported Values: directory, statistics, global

filter4

Description

Type: string

Supported Values: ip, ipv6, ipstat, ipv6stat

geo-name

Description

Type: string

geoloc-list

Type: List

iprangeend

Description

Type: string

Format: ipv4-address

iprangestrt

Description

Type: string

Format: ipv4-address

ipv6rangestrt

Description

Type: string

Format: ipv6-address

pol-name

Description

Type: string

total-geolocs

Description

Type: number

oper_geoloc-list

Specification	Value
Type	*list*
Block object keys	

from

Description

Type: string

hits

Description

Type: number

last

Description

Type: string

name

Description

Type: string

subcnt

Description

Type: number

tomask

Description

Type: string

type

Description

Type: string

2.56.7 gslb geoloc-rdt oper

Operational Status for the object geoloc-rdt

geoloc-rdt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geoloc-rdt
Element URI	/axapi/v3/gslb/geoloc-rdt/oper
Element Attributes	geoloc-rdt_attributes
Partition Visibility	None
Schema	`geoloc-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/geoloc-rdt/oper

geoloc-rdt attributes

Get Object

GET

/axapi/v3/gslb/geoloc-rdt/oper

geoloc-rdt attributes

Modify Object

POST

/axapi/v3/gslb/geoloc-rdt/oper

geoloc-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/geoloc-rdt/oper

geoloc-rdt attributes

Delete Object

DELETE

/axapi/v3/gslb/geoloc-rdt/oper

geoloc-rdt attributes

geoloc-rdt attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

active-status

Description

Type: string

geo-name

Description

Type: string

geoloc-rdt-list

Type: List

site-name

Description

Type: string

total-rdt

Description

Type: number

oper_geoloc-rdt-list

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

gl-name

Description

Type: string

rdt

Description

Type: number

site-name

Description

Type: string

type

Description

Type: string

2.56.8 gslb geolocation-file oper

Operational Status for the object geolocation-file

geolocation-file Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geolocation-file
Element URI	/axapi/v3/gslb/geolocation-file/oper
Element Attributes	geolocation-file_attributes
Partition Visibility	None
Schema	`geolocation-file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/geolocation-file/oper

geolocation-file attributes

Get Object

GET

/axapi/v3/gslb/geolocation-file/oper

geolocation-file attributes

Modify Object

POST

/axapi/v3/gslb/geolocation-file/oper

geolocation-file attributes

Replace Object

PUT

/axapi/v3/gslb/geolocation-file/oper

geolocation-file attributes

Delete Object

DELETE

/axapi/v3/gslb/geolocation-file/oper

geolocation-file attributes

geolocation-file attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

geofiles

Type: List

oper_geofiles

Specification	Value
Type	*list*
Block object keys	

comment

Description

Type: number

error-warning

Description

Type: number

filename

Description

Type: string

lines

Description

Type: number

percentage-loaded

Description

Type: number

success

Description

Type: number

template

Description

Type: string

type

Description

Type: string

Supported Values: template, builtin

2.56.9 gslb group

GSLB Group

group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*group-list*
Collection URI	/axapi/v3/gslb/group
Element Name	group
Element URI	/axapi/v3/gslb/group/{name}
Element Attributes	group_attributes
Partition Visibility	shared
Schema	`group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/group

group attributes

```
POST /axapi/v3/gslb/group/
Payload:
{
    "group": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/group

group attributes

Get Object

GET

/axapi/v3/gslb/group/{name}

group attributes

```
GET /axapi/v3/gslb/group/a
Reponse:
{
    "group": {
        "name": "a",
        "auto-map-smart": 1,
        "mgmt-interface": 1,
        "data-interface": 1,
        "auto-map-primary": 1,
        "auto-map-learn": 1,
        "config-anywhere": 0,
        "config-merge": 0,
        "config-save": 1,
        "dns-discover": 1,
        "resolve-as": "resolve-to-ipv4",
        "enable": 0,
        "learn": 1,
        "priority": 100,
        "sync-timeout": 1,
        "standalone": 0,
        "uuid": "0b30c9e6-090a-11f0-9794-815a0f7f8297",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/group/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/group

group-list

Modify Object

POST

/axapi/v3/gslb/group/{name}

group attributes

Replace Object

PUT

/axapi/v3/gslb/group/{name}

group attributes

```
PUT /axapi/v3/gslb/group/a
Payload:
{
    "group": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/group

group-list

Delete Object

DELETE

/axapi/v3/gslb/group/{name}

group attributes

```
DELETE /axapi/v3/gslb/group/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

group-list

group-list is **JSON List** of *group attributes*

group-list : [

{ *group attributes* },

{ *group attributes* },

...

]

group attributes

auto-map-learn

Description IP Address learned from other controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

auto-map-primary

Description Primary Controller's IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

auto-map-smart

Description Choose Best IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

config-anywhere

Description Every member can do config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

config-merge

Description Merge old master's config when new one take over

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

config-save

Description Accept config-save message from master

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

data-interface

Description Data Interface IP Address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

delay-start

Description Specify time for gslb group to delay start formation if VCS is enabled (Specify delay start for VCS, unit:minute,default is 0)

Type: number

Range: 0-60

Default: 0

dns-discover

Description Discover member via DNS Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

enable

Description Join GSLB Group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force-full-sync

Description Force GSLB to full sync config and files to members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

learn

Description Learn neighbour information from other controllers

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

mgmt-interface

Description Management Interface IP Address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

name

Description Specify Group domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

primary-ipv6-list

Type: List

primary-list

Type: List

priority

Description Specify Local Priority, default is 100

Type: number

Range: 1-255

Default: 100

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN (Default Query type); 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

standalone

Description Run GSLB Group in standalone mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

suffix

Description Set DNS Suffix (Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sync-timeout

Description Specify timeout for gslb config sync (Specify timeout, unit:minute,default is 1)

Type: number

Range: 1-60

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

primary-ipv6-list

Specification	Value
Type	*list*
Block object keys	

primary-ipv6

Description Specify Primary controller's IP address

Type: string

Format: ipv6-address

primary-list

Specification	Value
Type	*list*
Block object keys	

primary

Description Specify Primary controller's IP address

Type: string

Format: ipv4-address

2.56.10 gslb group-info oper

Operational Status for the object group-info

group-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	group-info
Element URI	/axapi/v3/gslb/group-info/oper
Element Attributes	group-info_attributes
Partition Visibility	None
Schema	`group-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/group-info/oper

group-info attributes

Get Object

GET

/axapi/v3/gslb/group-info/oper

group-info attributes

Modify Object

POST

/axapi/v3/gslb/group-info/oper

group-info attributes

Replace Object

PUT

/axapi/v3/gslb/group-info/oper

group-info attributes

Delete Object

DELETE

/axapi/v3/gslb/group-info/oper

group-info attributes

group-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

member-list

Type: List

oper_member-list

Specification	Value
Type	*list*
Block object keys	

address

Description

Type: string

Format: ipv4-address

connect-fail

Description

Type: number

connect-success

Description

Type: number

group-name

Description

Type: string

ipv6-address

Description

Type: string

Format: ipv6-address

is_master

Description

Type: number

learn

Description

Type: number

member-name

Description

Type: string

open-in

Description

Type: number

open-out

Description

Type: number

open-success

Description

Type: number

passive

Description

Type: number

priority

Description

Type: number

status

Description

Type: string

sync-sequence-number

Description

Type: number

sys-id

Description

Type: number

update-in

Description

Type: number

2.56.11 gslb ip-list

Specify a IP List

ip-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*gslb-ip-list-obj-name*
Collection Name	*ip-list-list*
Collection URI	/axapi/v3/gslb/ip-list
Element Name	ip-list
Element URI	/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}
Element Attributes	ip-list_attributes
Partition Visibility	shared
Schema	`ip-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/ip-list

ip-list attributes

```
POST /axapi/v3/gslb/ip-list/
Payload:
{
    "ip-list": {
        "gslb-ip-list-obj-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/ip-list

ip-list attributes

Get Object

GET

/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}

ip-list attributes

```
GET /axapi/v3/gslb/ip-list/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "ip-list": {
        "gslb-ip-list-obj-name": "a",
        "uuid": "82439cfc-090a-11f0-9794-815a0f7f8297",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/ip-list/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/ip-list

ip-list-list

Modify Object

POST

/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}

ip-list attributes

Replace Object

PUT

/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}

ip-list attributes

```
PUT /axapi/v3/gslb/ip-list/a
Payload:
{
    "ip-list": {
        "gslb-ip-list-obj-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/ip-list

ip-list-list

Delete Object

DELETE

/axapi/v3/gslb/ip-list/{gslb-ip-list-obj-name}

ip-list attributes

```
DELETE /axapi/v3/gslb/ip-list/a
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip-list-list

ip-list-list is **JSON List** of *ip-list attributes*

ip-list-list : [

{ *ip-list attributes* },

{ *ip-list attributes* },

...

]

ip-list attributes

gslb-ip-list-addr-list

Type: List

gslb-ip-list-filename

Description Load IP List file (IP List filename)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

gslb-ip-list-obj-name

Description Specify IP List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gslb-ip-list-addr-list

Specification	Value
Type	*list*
Block object keys	

id

Description ID Number

Type: number

Range: 0-31

ip

Description Specify IP address

Type: string

Format: ipv4-address

ip-mask

Description IP mask

Type: string

Format: ipv4-netmask

2.56.12 gslb ip-list-info oper

Operational Status for the object ip-list-info

ip-list-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-list-info
Element URI	/axapi/v3/gslb/ip-list-info/oper
Element Attributes	ip-list-info_attributes
Partition Visibility	None
Schema	`ip-list-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/ip-list-info/oper

ip-list-info attributes

Get Object

GET

/axapi/v3/gslb/ip-list-info/oper

ip-list-info attributes

Modify Object

POST

/axapi/v3/gslb/ip-list-info/oper

ip-list-info attributes

Replace Object

PUT

/axapi/v3/gslb/ip-list-info/oper

ip-list-info attributes

Delete Object

DELETE

/axapi/v3/gslb/ip-list-info/oper

ip-list-info attributes

ip-list-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ip-lists

Type: List

oper_ip-lists

Specification	Value
Type	*list*
Block object keys	

errors

Description

Type: number

file-lines

Description

Type: number

filename

Description

Type: string

group-id

Description

Type: number

hits

Description

Type: number

ipaddr

Description

Type: string

ipaddr-filter

Description

Type: number

ipmask

Description

Type: string

last

Description

Type: string

listname

Description

Type: string

total-entries-in-list

Description

Type: number

type

Description

Type: string

Supported Values: manual, file

2.56.13 gslb policy

Policy for GSLB zone, service or geo-location

policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*policy-list*
Collection URI	/axapi/v3/gslb/policy
Element Name	policy
Element URI	/axapi/v3/gslb/policy/{name}
Element Attributes	policy_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/gslb/policy/{name}/oper
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy

policy attributes

```
POST /axapi/v3/gslb/policy/
Payload:
{
    "policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/policy

policy attributes

Get Object

GET

/axapi/v3/gslb/policy/{name}

policy attributes

```
GET /axapi/v3/gslb/policy/a
Reponse:
{
    "policy": {
        "name": "a",
        "health-check": 1,
        "health-check-preference-enable": 0,
        "amount-first": 0,
        "weighted-ip-enable": 0,
        "weighted-ip-total-hits": 0,
        "weighted-site-enable": 0,
        "weighted-site-total-hits": 0,
        "weighted-alias": 0,
        "active-servers-enable": 0,
        "active-servers-fail-break": 0,
        "bw-cost-enable": 0,
        "bw-cost-fail-break": 0,
        "geographic": 1,
        "num-session-enable": 0,
        "num-session-tolerance": 10,
        "admin-preference": 0,
        "alias-admin-preference": 0,
        "least-response": 0,
        "admin-ip-enable": 0,
        "admin-ip-top-only": 0,
        "round-robin": 1,
        "metric-force-check": 0,
        "metric-fail-break": 0,
        "metric-order": 0,
        "uuid": "d86a04ae-090a-11f0-9794-815a0f7f8297",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/policy/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/policy

policy-list

Modify Object

POST

/axapi/v3/gslb/policy/{name}

policy attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}

policy attributes

```
PUT /axapi/v3/gslb/policy/a
Payload:
{
    "policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/policy

policy-list

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}

policy attributes

```
DELETE /axapi/v3/gslb/policy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *active-rdt*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/active-rdt*

active-servers-enable

Description Enable Select Service-IP with the highest number of active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-servers-fail-break

Description Break when no active server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

admin-ip-enable

Description Enable admin ip

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

admin-ip-top-only

Description Return highest priority server only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: admin-ip-top-only and ordered-ip-top-only are mutually exclusive

admin-preference

Description Select Service-IP for the device having maximum admin preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alias-admin-preference

Description Select alias name having maximum admin preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

amount-first

Description Select record based on the amount of available service-ip

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-map

Description: auto-map is a **JSON Block**. Please see below for *auto-map*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/auto-map*

bw-cost-enable

Description Enable bw cost

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-cost-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity

Description: capacity is a **JSON Block**. Please see below for *capacity*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/capacity*

connection-count-by-site

Description: connection-count-by-site is a **JSON Block**. Please see below for *connection-count-by-site*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/connection-count-by-site*

connection-load

Description: connection-load is a **JSON Block**. Please see below for *connection-load*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/connection-load*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/dns*

edns

Description: edns is a **JSON Block**. Please see below for *edns*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/edns*

geo-location-list

Type: List

Reference Object: */axapi/v3/gslb/policy/{name}/geo-location/{name}*

geo-location-match

Description: geo-location-match is a **JSON Block**. Please see below for *geo-location-match*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/geo-location-match*

geographic

Description Select Service-IP by geographic

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

health-check

Description Select Service-IP by health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

health-check-preference-enable

Description Check health preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-preference-top

Description Only keep top n

Type: number

Range: 1-128

ip-list

Description Specify IP List (IP List Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/ip-list*

least-response

Description Least response selection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-fail-break

Description Break if no valid Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-force-check

Description Always check Service-IP for all enabled metrics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-order

Description Specify order of metric

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric-type

Description

Type: string

Format: enum-list

name

Description Specify policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

num-session-enable

Description Enable Select Service-IP for device having maximum number of available sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

num-session-tolerance

Description The difference between the available sessions, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

ordered-ip-top-only

Description Return highest priority server only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ordered-ip-top-only and admin-ip-top-only are mutually exclusive

round-robin

Description Round robin selection, enabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weighted-alias

Description Select alias name by weighted preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-ip-enable

Description Enable Select Service-IP by weighted preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-ip-total-hits

Description Weighted by total hits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-site-enable

Description Enable Select Service-IP by weighted site preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weighted-site-total-hits

Description Weighted by total hits

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-count-by-site

Specification	Value
Type	*object*

connection-count-enable

Description Enable connection-count-by-site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auto-map

Specification	Value
Type	*object*

all

Description All modules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and module-type are mutually exclusive

module-disable

Description Specify Disable Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

module-type

Description

Type: string

Format: enum-list

Mutual Exclusion: module-type and all are mutually exclusive

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

edns

Specification	Value
Type	*object*

client-subnet-geographic

Description Use client subnet for geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-rdt

Specification	Value
Type	*object*

controller

Description Active round-delay-time by controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

difference

Description The difference between the round-delay-time, default is 0

Type: number

Range: 0-16383

Default: 0

enable

Description Enable the active rdt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-break

Description Break when no valid RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-id

Description Ignore IP Address specified in IP List by ID

Type: number

Range: 0-31

keep-tracking

Description Keep tracking client even round-delay-time samples are ready

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Limit of allowed RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

prefer-dns-sticky

Description Use dns sticky if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proto-rdt-enable

Description Enable the round-delay-time to the controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

samples

Description Specify samples number for round-delay-time (Number of samples,default is 5)

Type: number

Range: 1-8

Default: 5

single-shot

Description Single Shot RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip

Description Skip query if round-delay-time samples are not ready (Specify maximum skip count,default is 3)

Type: number

Range: 1-31

Default: 3

sticky-difference

Description The difference between the round-delay-time of sticky entry

Type: number

Range: 1-16383

timeout

Description Specify timeout if round-delay-time samples are not ready (Specify timeout, unit:sec,default is 3)

Type: number

Range: 1-255

Default: 3

tolerance

Description The difference percentage between the round-delay-time, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

capacity

Specification	Value
Type	*object*

capacity-enable

Description Enable capacity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity-fail-break

Description Break when exceed threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description Specify capacity threshold, default is 90

Type: number

Range: 0-100

Default: 90

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-match

Specification	Value
Type	*object*

geo-type-overlap

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

match-first

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

Default: global

overlap

Description Enable overlap mode to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns

Specification	Value
Type	*object*

action

Description Apply DNS action for service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-type

Description 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: drop, reject, ignore

active-only

Description Only keep active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-only-fail-safe

Description Continue if no candidate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aging-time

Description Specify aging-time, default is TTL in DNS record, unit: second (Aging time, default 0 means using TTL in DNS record as aging time)

Type: number

Range: 0-1000000000

Default: 0

backup-alias

Description Return alias name when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backup-server

Description Return fallback server when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-action

Description Specify Action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-type

Description

Type: string

Format: enum-list

block-value

Type: List

cache

Description Cache DNS Server response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cname-detect

Description Apply GSLB for DNS Server response when service is Canonical Name (CNAME)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

delegation

Description Zone Delegation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-auto-map

Description Automatically build DNS Infrastructure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-preference

Description Make dynamically change the preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-weight

Description dynamically change the weight

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description Return DNS response with external IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

external-soa

Description Return DNS response with external SOA Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-action

Description Apply DNS action by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-alias

Description Return alias name by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-policy

Description Apply different policy by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hint

Description 'none': None; 'answer': Append Hint Records in DNS Answer Section; 'addition': Append Hint Records in DNS Addition Section;

Type: string

Supported Values: none, answer, addition

Default: addition

ip-replace

Description Replace DNS Server Response with GSLB Service-IPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6

Type: List

logging

Description 'none': None; 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

proxy-block-port-range-list

Type: List

selected-only

Description Only keep selected servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

selected-only-value

Description Answer Number

Type: number

Range: 1-128

server

Description Run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-any

Description Provide All Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any and server-any-with-metric are mutually exclusive

server-any-with-metric

Description Provide All Records with GSLB Metrics applied to A/AAAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any-with-metric and server-any are mutually exclusive

server-authoritative

Description As authoritative server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ns

Description Provide A-Records for NS-Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ptr

Description Provide PTR Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-caa

Description Provide CAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-cname

Description Provide CNAME Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-custom

Description Provide Custom Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-full-list

Description Append All A Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mode-only

Description Only run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-mode-only and zone-owner-mode are mutually exclusive

server-mx

Description Provide MX Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-naptr

Description Provide NAPTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns

Description Provide NS Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns-list

Description Append All NS Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ptr

Description Provide PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-sec

Description Provide DNSSEC support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-srv

Description Provide SRV Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-txt

Description Provide TXT Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky

Description Make DNS Record sticky for certain time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

sticky-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

sticky-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

sticky-options

Description: sticky-options is a **JSON Block**. Please see below for *dns_sticky-options*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/dns/sticky-options*

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

ttl

Description Specify the TTL value contained in DNS record (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-owner-mode

Description Only run GSLB as DNS server mode with zone ownership

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: zone-owner-mode and server-mode-only are mutually exclusive

dns_block-value

Specification	Value
Type	*list*
Block object keys	

block-value

Description Specify Type Number

Type: number

Range: 1-255

dns_ipv6

Specification	Value
Type	*list*
Block object keys	

dns-ipv6-mapping-type

Description 'addition': Append Mapped Record in DNS Addition Section; 'answer': Append Mapped Record in DNS Answer Section; 'exclusive': Only return AAAA Record; 'replace': Replace Record with Mapped Record;

Type: string

Supported Values: addition, answer, exclusive, replace

dns-ipv6-option

Description 'mix': Return both AAAA Record and A Record; 'smart': Return AAAA Record by DNS Query Type; 'mapping': Map A Record to AAAA Record;

Type: string

Supported Values: mix, smart, mapping

dns_sticky-options

Specification	Value
Type	*object*

edns-client-subnet

Description Use ECS for sticky creation and lookup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

only-ecs

Description Only use ECS for session creation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_proxy-block-port-range-list

Specification	Value
Type	*list*
Block object keys	

proxy-block-range-from

Description Specify Type Range (From)

Type: number

proxy-block-range-to

Description To

Type: number

geo-location-list

Specification	Value
Type	*list*
Block object keys	

ip-multiple-fields

Type: List

ipv6-multiple-fields

Type: List

name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list_ip-multiple-fields

Specification	Value
Type	*list*
Block object keys	

ip-addr2-sub

Description Specify IP address range

Type: string

Format: ipv4-address

ip-mask-sub

Description Specify IP/mask format (Specify IP address mask)

Type: string

Format: ipv4-netmask-brief

ip-sub

Description Specify IP information

Type: string

Format: ipv4-address

geo-location-list_ipv6-multiple-fields

Specification	Value
Type	*list*
Block object keys	

ipv6-addr2-sub

Description Specify IPv6 address range

Type: string

Format: ipv6-address

ipv6-mask-sub

Description Specify IPv6/mask format (Specify IP address mask)

Type: number

Range: 0-128

ipv6-sub

Description Specify IPv6 information

Type: string

Format: ipv6-address

connection-load

Specification	Value
Type	*object*

connection-load-enable

Description Enable connection-load

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-interval

Description Interval between two samples, Unit: second (Interval value,default is 5)

Type: number

Range: 1-60

Default: 5

connection-load-limit

Description The value of the connection-load limit, default is unlimited

Type: number

Range: 1-999999999

connection-load-samples

Description Specify samples for connection-load (Number of samples used to calculate the connection load, default is 5)

Type: number

Range: 1-8

Default: 5

limit

Description Limit of maxinum connection load, default is unlimited

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.14 gslb policy active-rdt

Select SLB device with the shortest round delay time to local DNS

active-rdt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	active-rdt
Element URI	/axapi/v3/gslb/policy/{name}/active-rdt
Element Attributes	active-rdt_attributes
Partition Visibility	shared
Schema	`active-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

```
POST /axapi/v3/gslb/policy/a/active-rdt
Payload:
{
    "active-rdt": {
        "enable": 1
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

```
GET /axapi/v3/gslb/policy/a/active-rdt
Reponse:
{
    "active-rdt": {
        "enable": 1,
        "single-shot": 0,
        "prefer-dns-sticky": 0,
        "timeout": 3,
        "skip": 3,
        "keep-tracking": 0,
        "samples": 5,
        "tolerance": 10,
        "difference": 0,
        "limit": 16383,
        "fail-break": 0,
        "controller": 0,
        "proto-rdt-enable": 0,
        "uuid": "7d0af518-090b-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/policy/a/active-rdt"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

```
PUT /axapi/v3/gslb/policy/a/active-rdt
Payload:
{
    "active-rdt": {
        "enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/active-rdt

active-rdt attributes

```
DELETE /axapi/v3/gslb/policy/a/active-rdt
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

active-rdt attributes

controller

Description Active round-delay-time by controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

difference

Description The difference between the round-delay-time, default is 0

Type: number

Range: 0-16383

Default: 0

enable

Description Enable the active rdt

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-break

Description Break when no valid RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-id

Description Ignore IP Address specified in IP List by ID

Type: number

Range: 0-31

keep-tracking

Description Keep tracking client even round-delay-time samples are ready

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Limit of allowed RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

prefer-dns-sticky

Description Use dns sticky if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proto-rdt-enable

Description Enable the round-delay-time to the controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

samples

Description Specify samples number for round-delay-time (Number of samples,default is 5)

Type: number

Range: 1-8

Default: 5

single-shot

Description Single Shot RDT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip

Description Skip query if round-delay-time samples are not ready (Specify maximum skip count,default is 3)

Type: number

Range: 1-31

Default: 3

sticky-difference

Description The difference between the round-delay-time of sticky entry

Type: number

Range: 1-16383

timeout

Description Specify timeout if round-delay-time samples are not ready (Specify timeout, unit:sec,default is 3)

Type: number

Range: 1-255

Default: 3

tolerance

Description The difference percentage between the round-delay-time, default is 10 (Tolerance)

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.15 gslb policy auto-map

Auto Mapping Options

auto-map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	auto-map
Element URI	/axapi/v3/gslb/policy/{name}/auto-map
Element Attributes	auto-map_attributes
Partition Visibility	shared
Schema	`auto-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

```
POST /axapi/v3/gslb/policy/a/auto-map
Payload:
{
    "auto-map": {
        "ttl": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

```
GET /axapi/v3/gslb/policy/a/auto-map
Reponse:
{
    "auto-map": {
        "ttl": 1,
        "module-disable": 0,
        "uuid": "fbbb14ba-090b-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/policy/a/auto-map"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/auto-map

auto-map attributes

```
DELETE /axapi/v3/gslb/policy/a/auto-map
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

auto-map attributes

all

Description All modules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: all and module-type are mutually exclusive

module-disable

Description Specify Disable Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

module-type

Description

Type: string

Format: enum-list

Mutual Exclusion: module-type and all are mutually exclusive

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.16 gslb policy capacity

Select Service-IP for the device having highest available connection capacity

capacity Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	capacity
Element URI	/axapi/v3/gslb/policy/{name}/capacity
Element Attributes	capacity_attributes
Partition Visibility	shared
Schema	`capacity schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

```
POST /axapi/v3/gslb/policy/a/capacity
Payload:
{
    "capacity": {
        "capacity-enable": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

```
GET /axapi/v3/gslb/policy/a/capacity
Reponse:
{
    "capacity": {
        "capacity-enable": 1,
        "threshold": 90,
        "capacity-fail-break": 0,
        "uuid": "0e846286-090c-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/policy/a/capacity"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

```
PUT /axapi/v3/gslb/policy/a/capacity
Payload:
{
    "capacity": {
        "capacity-enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/capacity

capacity attributes

```
DELETE /axapi/v3/gslb/policy/a/capacity
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

capacity attributes

capacity-enable

Description Enable capacity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

capacity-fail-break

Description Break when exceed threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description Specify capacity threshold, default is 90

Type: number

Range: 0-100

Default: 90

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.17 gslb policy connection-count-by-site

Select Site Service-IPs with the lowest aggregated connection-count

connection-count-by-site Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	connection-count-by-site
Element URI	/axapi/v3/gslb/policy/{name}/connection-count-by-site
Element Attributes	connection-count-by-site_attributes
Partition Visibility	shared
Schema	`connection-count-by-site schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/connection-count-by-site

connection-count-by-site attributes

Get Object

GET

/axapi/v3/gslb/policy/{name}/connection-count-by-site

connection-count-by-site attributes

Modify Object

POST

/axapi/v3/gslb/policy/{name}/connection-count-by-site

connection-count-by-site attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/connection-count-by-site

connection-count-by-site attributes

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/connection-count-by-site

connection-count-by-site attributes

connection-count-by-site attributes

connection-count-enable

Description Enable connection-count-by-site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.18 gslb policy connection-load

Select Service-IP with the lowest connection-load

connection-load Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	connection-load
Element URI	/axapi/v3/gslb/policy/{name}/connection-load
Element Attributes	connection-load_attributes
Partition Visibility	shared
Schema	`connection-load schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

```
POST /axapi/v3/gslb/policy/a/connection-load
Payload:
{
    "connection-load": {
        "connection-load-enable": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

```
GET /axapi/v3/gslb/policy/a/connection-load
Reponse:
{
    "connection-load": {
        "connection-load-enable": 1,
        "connection-load-fail-break": 0,
        "connection-load-samples": 5,
        "connection-load-interval": 5,
        "limit": 0,
        "uuid": "32f66ad8-090c-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/policy/a/connection-load"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

```
PUT /axapi/v3/gslb/policy/a/connection-load
Payload:
{
    "connection-load": {
        "connection-load-enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/connection-load

connection-load attributes

```
DELETE /axapi/v3/gslb/policy/a/connection-load
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

connection-load attributes

connection-load-enable

Description Enable connection-load

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-fail-break

Description Break when exceed limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-load-interval

Description Interval between two samples, Unit: second (Interval value,default is 5)

Type: number

Range: 1-60

Default: 5

connection-load-limit

Description The value of the connection-load limit, default is unlimited

Type: number

Range: 1-999999999

connection-load-samples

Description Specify samples for connection-load (Number of samples used to calculate the connection load, default is 5)

Type: number

Range: 1-8

Default: 5

limit

Description Limit of maxinum connection load, default is unlimited

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.19 gslb policy dns

DNS related policy

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/gslb/policy/{name}/dns
Element Attributes	dns_attributes
Partition Visibility	shared
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/dns

dns attributes

```
POST /axapi/v3/gslb/policy/a/dns
Payload:
{
    "dns": {
        "action": 1,
        "sticky-options": {
            "edns-client-subnet": 1,
            "only-ecs": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/dns

dns attributes

```
GET /axapi/v3/gslb/policy/a/dns
Reponse:
{
    "dns": {
        "action": 1,
        "active-only": 0,
        "dns-addition-mx": 0,
        "dns-auto-map": 0,
        "backup-alias": 0,
        "backup-server": 0,
        "external-ip": 1,
        "external-soa": 0,
        "cname-detect": 1,
        "ip-replace": 0,
        "geoloc-alias": 0,
        "geoloc-action": 0,
        "geoloc-policy": 0,
        "selected-only": 0,
        "cache": 0,
        "delegation": 0,
        "hint": "addition",
        "ttl": 10,
        "server": 0,
        "block-action": 0,
        "sticky": 0,
        "dynamic-preference": 0,
        "dynamic-weight": 0,
        "uuid": "5810bcba-090c-11f0-9794-815a0f7f8297",
        "sticky-options": {
            "edns-client-subnet": 1,
            "only-ecs": 1,
            "uuid": "5810d952-090c-11f0-9794-815a0f7f8297",
            "a10-url": "/axapi/v3/gslb/policy/a/dns/sticky-options"
        },
        "a10-url": "/axapi/v3/gslb/policy/a/dns"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/dns

dns attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/dns

dns attributes

```
PUT /axapi/v3/gslb/policy/a/dns
Payload:
{
    "dns": {
        "action": 1,
        "sticky-options": {
            "edns-client-subnet": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/dns

dns attributes

```
DELETE /axapi/v3/gslb/policy/a/dns
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns attributes

action

Description Apply DNS action for service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-type

Description 'drop': Drop query; 'reject': Send refuse response; 'ignore': Send empty response;

Type: string

Supported Values: drop, reject, ignore

active-only

Description Only keep active servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-only-fail-safe

Description Continue if no candidate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aging-time

Description Specify aging-time, default is TTL in DNS record, unit: second (Aging time, default 0 means using TTL in DNS record as aging time)

Type: number

Range: 0-1000000000

Default: 0

backup-alias

Description Return alias name when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backup-server

Description Return fallback server when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-action

Description Specify Action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

block-type

Description

Type: string

Format: enum-list

block-value

Type: List

cache

Description Cache DNS Server response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cname-detect

Description Apply GSLB for DNS Server response when service is Canonical Name (CNAME)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

delegation

Description Zone Delegation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-auto-map

Description Automatically build DNS Infrastructure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-preference

Description Make dynamically change the preference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic-weight

Description dynamically change the weight

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description Return DNS response with external IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

external-soa

Description Return DNS response with external SOA Record

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-action

Description Apply DNS action by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-alias

Description Return alias name by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-policy

Description Apply different policy by geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hint

Description 'none': None; 'answer': Append Hint Records in DNS Answer Section; 'addition': Append Hint Records in DNS Addition Section;

Type: string

Supported Values: none, answer, addition

Default: addition

ip-replace

Description Replace DNS Server Response with GSLB Service-IPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6

Type: List

logging

Description 'none': None; 'query': DNS Query; 'response': DNS Response; 'both': Both DNS Query and Response;

Type: string

Supported Values: none, query, response, both

proxy-block-port-range-list

Type: List

selected-only

Description Only keep selected servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

selected-only-value

Description Answer Number

Type: number

Range: 1-128

server

Description Run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-addition-mx

Description Append MX Records in Addition Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-any

Description Provide All Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any and server-any-with-metric are mutually exclusive

server-any-with-metric

Description Provide All Records with GSLB Metrics applied to A/AAAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-any-with-metric and server-any are mutually exclusive

server-authoritative

Description As authoritative server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ns

Description Provide A-Records for NS-Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-auto-ptr

Description Provide PTR Records automatically

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-caa

Description Provide CAA Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-cname

Description Provide CNAME Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-custom

Description Provide Custom Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-full-list

Description Append All A Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-mode-only

Description Only run GSLB as DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server-mode-only and zone-owner-mode are mutually exclusive

server-mx

Description Provide MX Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-naptr

Description Provide NAPTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns

Description Provide NS Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ns-list

Description Append All NS Records in Authoritative Section

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ptr

Description Provide PTR Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-sec

Description Provide DNSSEC support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-srv

Description Provide SRV Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-txt

Description Provide TXT Records

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky

Description Make DNS Record sticky for certain time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sticky-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

sticky-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

sticky-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

sticky-options

Description: sticky-options is a **JSON Block**. Please see below for *sticky-options*

Type: Object

Reference Object: */axapi/v3/gslb/policy/{name}/dns/sticky-options*

template

Description Logging template (Logging Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

ttl

Description Specify the TTL value contained in DNS record (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-owner-mode

Description Only run GSLB as DNS server mode with zone ownership

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: zone-owner-mode and server-mode-only are mutually exclusive

block-value

Specification	Value
Type	*list*
Block object keys	

block-value

Description Specify Type Number

Type: number

Range: 1-255

ipv6

Specification	Value
Type	*list*
Block object keys	

dns-ipv6-mapping-type

Description 'addition': Append Mapped Record in DNS Addition Section; 'answer': Append Mapped Record in DNS Answer Section; 'exclusive': Only return AAAA Record; 'replace': Replace Record with Mapped Record;

Type: string

Supported Values: addition, answer, exclusive, replace

dns-ipv6-option

Description 'mix': Return both AAAA Record and A Record; 'smart': Return AAAA Record by DNS Query Type; 'mapping': Map A Record to AAAA Record;

Type: string

Supported Values: mix, smart, mapping

sticky-options

Specification	Value
Type	*object*

edns-client-subnet

Description Use ECS for sticky creation and lookup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

only-ecs

Description Only use ECS for session creation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy-block-port-range-list

Specification	Value
Type	*list*
Block object keys	

proxy-block-range-from

Description Specify Type Range (From)

Type: number

proxy-block-range-to

Description To

Type: number

2.56.20 gslb policy dns sticky-options

Specify sticky session options

sticky-options Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sticky-options
Element URI	/axapi/v3/gslb/policy/{name}/dns/sticky-options
Element Attributes	sticky-options_attributes
Partition Visibility	shared
Schema	`sticky-options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/dns/sticky-options

sticky-options attributes

```
POST /axapi/v3/gslb/policy/a/dns/sticky-options
Payload:
{
    "sticky-options": {
        "edns-client-subnet": 1,
        "only-ecs": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/dns/sticky-options

sticky-options attributes

```
GET /axapi/v3/gslb/policy/a/dns/sticky-options
Reponse:
{
    "sticky-options": {
        "edns-client-subnet": 1,
        "only-ecs": 1,
        "uuid": "501d3f36-090e-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/policy/a/dns/sticky-options"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/dns/sticky-options

sticky-options attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/dns/sticky-options

sticky-options attributes

```
PUT /axapi/v3/gslb/policy/a/dns/sticky-options
Payload:
{
    "sticky-options": {
        "edns-client-subnet": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/dns/sticky-options

sticky-options attributes

```
DELETE /axapi/v3/gslb/policy/a/dns/sticky-options
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

sticky-options attributes

edns-client-subnet

Description Use ECS for sticky creation and lookup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

only-ecs

Description Only use ECS for session creation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.21 gslb policy edns

Use EDNS extension

edns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	edns
Element URI	/axapi/v3/gslb/policy/{name}/edns
Element Attributes	edns_attributes
Partition Visibility	shared
Schema	`edns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/edns

edns attributes

```
POST /axapi/v3/gslb/policy/a/edns
Payload:
{
    "edns": {
        "client-subnet-geographic": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/edns

edns attributes

```
GET /axapi/v3/gslb/policy/a/edns
Reponse:
{
    "edns": {
        "client-subnet-geographic": 1,
        "uuid": "6b78a41e-090e-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/policy/a/edns"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/edns

edns attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/edns

edns attributes

```
PUT /axapi/v3/gslb/policy/a/edns
Payload:
{
    "edns": {
        "client-subnet-geographic": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/edns

edns attributes

```
DELETE /axapi/v3/gslb/policy/a/edns
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

edns attributes

client-subnet-geographic

Description Use client subnet for geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.22 gslb policy geo-location

Specify geo-location

geo-location Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*geo-location-list*
Collection URI	/axapi/v3/gslb/policy/{name}/geo-location
Element Name	geo-location
Element URI	/axapi/v3/gslb/policy/{name}/geo-location/{name}
Element Attributes	geo-location_attributes
Partition Visibility	shared
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/geo-location

geo-location attributes

Create List

POST

/axapi/v3/gslb/policy/{name}/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/gslb/policy/{name}/geo-location/{name}

geo-location attributes

Get List

GET

/axapi/v3/gslb/policy/{name}/geo-location

geo-location-list

Modify Object

POST

/axapi/v3/gslb/policy/{name}/geo-location/{name}

geo-location attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/geo-location/{name}

geo-location attributes

Replace List

PUT

/axapi/v3/gslb/policy/{name}/geo-location

geo-location-list

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/geo-location/{name}

geo-location attributes

geo-location-list

geo-location-list is **JSON List** of *geo-location attributes*

```
geo-location-list : [
        { geo-location attributes },
        { geo-location attributes },
        ...
    ]
```

geo-location attributes

ip-multiple-fields

Type: List

ipv6-multiple-fields

Type: List

name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-multiple-fields

Specification	Value
Type	*list*
Block object keys	

ip-addr2-sub

Description Specify IP address range

Type: string

Format: ipv4-address

ip-mask-sub

Description Specify IP/mask format (Specify IP address mask)

Type: string

Format: ipv4-netmask-brief

ip-sub

Description Specify IP information

Type: string

Format: ipv4-address

ipv6-multiple-fields

Specification	Value
Type	*list*
Block object keys	

ipv6-addr2-sub

Description Specify IPv6 address range

Type: string

Format: ipv6-address

ipv6-mask-sub

Description Specify IPv6/mask format (Specify IP address mask)

Type: number

Range: 0-128

ipv6-sub

Description Specify IPv6 information

Type: string

Format: ipv6-address

2.56.23 gslb policy geo-location-match

Specify match order of geographic

geo-location-match Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geo-location-match
Element URI	/axapi/v3/gslb/policy/{name}/geo-location-match
Element Attributes	geo-location-match_attributes
Partition Visibility	shared
Schema	`geo-location-match schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

```
POST /axapi/v3/gslb/policy/a/geo-location-match
Payload:
{
    "geo-location-match": {
        "overlap": 1,
        "geo-type-overlap": "global"
    }
}
```

Get Object

GET

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

```
GET /axapi/v3/gslb/policy/a/geo-location-match
Reponse:
{
    "geo-location-match": {
        "overlap": 1,
        "geo-type-overlap": "global",
```

(continues on next page)

(continued from previous page)

```
        "match-first": "global",
        "uuid": "b1444462-090e-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/policy/a/geo-location-match"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

```
PUT /axapi/v3/gslb/policy/a/geo-location-match
Payload:
{
    "geo-location-match": {
        "overlap": 1,
        "geo-type-overlap": "policy"
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/geo-location-match

geo-location-match attributes

```
DELETE /axapi/v3/gslb/policy/a/geo-location-match
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

geo-location-match attributes

geo-type-overlap

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

match-first

Description 'global': Global Geo-location; 'policy': Policy Geo-location;

Type: string

Supported Values: global, policy

Default: global

overlap

Description Enable overlap mode to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.24 gslb policy oper

Operational Status for the object policy

policy Specification

Parameter	Value
Type	*Collection*
Collection Name	*policy-list*
Collection URI	/axapi/v3/gslb/policy/{name}
Element Name	policy
Element URI	/axapi/v3/gslb/policy/{name}/oper
Element Attributes	policy_attributes
Partition Visibility	None
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/policy/{name}

policy attributes

Create List

POST

/axapi/v3/gslb/policy/{name}

policy attributes

Get Object

GET

/axapi/v3/gslb/policy/{name}/oper

policy attributes

Get List

GET

/axapi/v3/gslb/policy/{name}

policy-list

Modify Object

POST

/axapi/v3/gslb/policy/{name}/oper

policy attributes

Replace Object

PUT

/axapi/v3/gslb/policy/{name}/oper

policy attributes

Replace List

PUT

/axapi/v3/gslb/policy/{name}

policy-list

Delete Object

DELETE

/axapi/v3/gslb/policy/{name}/oper

policy attributes

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

name

Description Specify policy name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

metric-list

Type: List

oper_metric-list

Specification	Value
Type	*list*
Block object keys	

order

Description

Type: number

type

Description

Type: string

2.56.25 gslb protocol

Specify GSLB Message Protocol parameters

protocol Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	protocol
Element URI	/axapi/v3/gslb/protocol
Element Attributes	protocol_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/gslb/protocol/oper
Schema	`protocol schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol

protocol attributes

```
POST /axapi/v3/gslb/protocol
Payload:
{
    "protocol": {
        "auto-detect": 1,
        "enable-list": [
            {
                "type": "controller"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/gslb/protocol

protocol attributes

```
GET /axapi/v3/gslb/protocol
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "protocol": {
        "auto-detect": 1,
        "use-mgmt-port": 0,
        "msg-format-acos-2x": 0,
        "uuid": "9e4931c8-0905-11f0-84e1-815a0f7f8297",
        "enable-list": [
            {
                "type": "controller",
                "uuid": "db265cf2-090e-11f0-9794-815a0f7f8297",
                "a10-url": "/axapi/v3/gslb/protocol/enable/controller"
            }
        ],
        "secure": {
            "action": "disable",
            "uuid": "9e49327c-0905-11f0-84e1-815a0f7f8297",
            "a10-url": "/axapi/v3/gslb/protocol/secure"
        },
        "a10-url": "/axapi/v3/gslb/protocol"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/protocol

protocol attributes

Replace Object

PUT

/axapi/v3/gslb/protocol

protocol attributes

```
PUT /axapi/v3/gslb/protocol
Payload:
{
    "protocol": {
        "auto-detect": 0,
        "enable-list": [
            {
                "type": "controller"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/protocol

protocol attributes

```
DELETE /axapi/v3/gslb/protocol
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

protocol attributes

auto-detect

Description Automatically detect SLB Config

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-new-gslb-sync

Description Disable new gslb config sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-list

Type: List

Reference Object: */axapi/v3/gslb/protocol/enable/{type}*

limit

Description: limit is a **JSON Block**. Please see below for *limit*

Type: Object

Reference Object: */axapi/v3/gslb/protocol/limit*

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ping-site

Description name of site or ip address to ping

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

secure

Description: secure is a **JSON Block**. Please see below for *secure*

Type: Object

Reference Object: */axapi/v3/gslb/protocol/secure*

status-interval

Description Specify GSLB Message Protocol update period (The GSLB Protocol update interval (seconds), default is 30)

Type: number

Range: 1-1800

use-mgmt-port

Description Use management port for connections in Shared Partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port and use-mgmt-port-for-all-partitions are mutually exclusive

use-mgmt-port-for-all-partitions

Description Use management port for connections in all L3v Partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-mgmt-port-for-all-partitions and use-mgmt-port are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secure

Specification	Value
Type	*object*

action

Description 'enable': Enable Secure; 'disable': Disable Secure (default); 'enable-fallback': Fall back to non-secure if fail;

Type: string

Supported Values: enable, disable, enable-fallback

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

limit

Specification	Value
Type	*object*

ardt-query

Description Query Messages of Active RDT, default is 200 (Number)

Type: number

Range: 0-1000000

Default: 200

ardt-response

Description Response Messages of Active RDT, default is 1000 (Number)

Type: number

Range: 0-1000000

Default: 1000

ardt-session

Description Sessions of Active RDT, default is 32768 (Number)

Type: number

Range: 0-1000000

Default: 32768

conn-response

Description Response Messages of Connection Load, default is no limit (Number)

Type: number

Range: 0-1000000

Default: 0

message

Description Amount of Messages, default is 10000 (Number)

Type: number

Range: 0-1000000

Default: 10000

response

Description Amount of Response Messages, default is 3600 (Number)

Type: number

Range: 0-1000000

Default: 3600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable-list

Specification	Value
Type	*list*
Block object keys	

type

Description 'controller': Enable/Disable GSLB protocol as GSLB controller; 'device': Enable/Disable GSLB protocol as site device;

Type: string

Supported Values: controller, device

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.26 gslb protocol enable

Enable/Disable GSLB Message Protocol

enable Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*type*
Collection Name	*enable-list*
Collection URI	/axapi/v3/gslb/protocol/enable
Element Name	enable
Element URI	/axapi/v3/gslb/protocol/enable/{type}
Element Attributes	enable_attributes
Partition Visibility	shared
Schema	`enable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol/enable

enable attributes

```
POST /axapi/v3/gslb/protocol/enable/
Payload:
{
    "enable": {
        "type": "controller"
    }
}
```

Create List

POST

/axapi/v3/gslb/protocol/enable

enable attributes

Get Object

GET

/axapi/v3/gslb/protocol/enable/{type}

enable attributes

```
GET /axapi/v3/gslb/protocol/enable/controller
Reponse:
{
    "enable": {
```

(continues on next page)

(continued from previous page)

```
        "type": "controller",
        "uuid": "28402e78-090f-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/protocol/enable/controller"
    }
}
```

Get List

GET

/axapi/v3/gslb/protocol/enable

enable-list

Modify Object

POST

/axapi/v3/gslb/protocol/enable/{type}

enable attributes

Replace Object

PUT

/axapi/v3/gslb/protocol/enable/{type}

enable attributes

```
PUT /axapi/v3/gslb/protocol/enable/controller
Payload:
{
    "enable": {
        "type": "controller"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/protocol/enable

enable-list

Delete Object

DELETE

/axapi/v3/gslb/protocol/enable/{type}

enable attributes

```
DELETE /axapi/v3/gslb/protocol/enable/controller
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

enable-list

enable-list is **JSON List** of *enable attributes*

enable-list : [

{ *enable attributes* },

{ *enable attributes* },

...

]

enable attributes

type

Description 'controller': Enable/Disable GSLB protocol as GSLB controller; 'device': Enable/Disable GSLB protocol as site device;

Type: string

Supported Values: controller, device

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.27 gslb protocol limit

Specify limit for GSLB Message Protocol

limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	limit
Element URI	/axapi/v3/gslb/protocol/limit
Element Attributes	limit_attributes
Partition Visibility	shared
Schema	`limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol/limit

limit attributes

```
POST /axapi/v3/gslb/protocol/limit
Payload:
{
    "limit": {
        "ardt-query": 0
    }
}
```

Get Object

GET

/axapi/v3/gslb/protocol/limit

limit attributes

```
GET /axapi/v3/gslb/protocol/limit
Reponse:
{
    "limit": {
        "ardt-query": 0,
        "ardt-response": 1000,
        "ardt-session": 32768,
        "conn-response": 0,
        "response": 3600,
        "message": 10000,
        "uuid": "3b89fd92-090f-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/protocol/limit"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/protocol/limit

limit attributes

Replace Object

PUT

/axapi/v3/gslb/protocol/limit

limit attributes

```
PUT /axapi/v3/gslb/protocol/limit
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "limit": {
        "ardt-query": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/protocol/limit

limit attributes

```
DELETE /axapi/v3/gslb/protocol/limit
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

limit attributes

ardt-query

Description Query Messages of Active RDT, default is 200 (Number)

Type: number

Range: 0-1000000

Default: 200

ardt-response

Description Response Messages of Active RDT, default is 1000 (Number)

Type: number

Range: 0-1000000

Default: 1000

ardt-session

Description Sessions of Active RDT, default is 32768 (Number)

Type: number

Range: 0-1000000

Default: 32768

conn-response

Description Response Messages of Connection Load, default is no limit (Number)

Type: number

Range: 0-1000000

Default: 0

message

Description Amount of Messages, default is 10000 (Number)

Type: number

Range: 0-1000000

Default: 10000

response

Description Amount of Response Messages, default is 3600 (Number)

Type: number

Range: 0-1000000

Default: 3600

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.28 gslb protocol oper

Operational Status for the object protocol

protocol Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	protocol
Element URI	/axapi/v3/gslb/protocol/oper
Element Attributes	protocol_attributes
Partition Visibility	None
Schema	`protocol schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol/oper

protocol attributes

Get Object

GET

/axapi/v3/gslb/protocol/oper

protocol attributes

Modify Object

POST

/axapi/v3/gslb/protocol/oper

protocol attributes

Replace Object

PUT

/axapi/v3/gslb/protocol/oper

protocol attributes

Delete Object

DELETE

/axapi/v3/gslb/protocol/oper

protocol attributes

protocol attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

session-list

Type: List

oper_session-list

Specification	Value
Type	*list*
Block object keys	

connection-failed

Description

Type: number

connection-succeeded

Description

Type: number

keepalive-packet-received

Description

Type: number

keepalive-packet-sent

Description

Type: number

message-header-error

Description

Type: number

notify-packet-received

Description

Type: number

notify-packet-sent

Description

Type: number

open-packet-received

Description

Type: number

open-packet-sent

Description

Type: number

open-session-failed

Description

Type: number

open-session-succeeded

Description

Type: number

protocol-info

Description

Type: string

retry

Description

Type: number

secure-negotiation-fail

Description

Type: number

secure-negotiation-success

Description

Type: number

secure_config

Description

Type: string

secure_state

Description

Type: string

session-id

Description

Type: number

sessions-dropped

Description

Type: number

ssl-handshake-fail

Description

Type: number

ssl-handshake-success

Description

Type: number

state

Description

Type: string

update-packet-received

Description

Type: number

update-packet-sent

Description

Type: number

2.56.29 gslb protocol secure

GSLB Secure operation

secure Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	secure
Element URI	/axapi/v3/gslb/protocol/secure
Element Attributes	secure_attributes
Partition Visibility	shared
Schema	`secure schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/protocol/secure

secure attributes

```
POST /axapi/v3/gslb/protocol/secure
Payload:
{
    "secure": {
        "action": "enable"
    }
}
```

Get Object

GET

/axapi/v3/gslb/protocol/secure

secure attributes

```
GET /axapi/v3/gslb/protocol/secure
Reponse:
{
    "secure": {
        "action": "enable",
        "uuid": "9e49327c-0905-11f0-84e1-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/protocol/secure"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/protocol/secure

secure attributes

Replace Object

PUT

/axapi/v3/gslb/protocol/secure

secure attributes

Delete Object

DELETE

/axapi/v3/gslb/protocol/secure

secure attributes

secure attributes

action

Description 'enable': Enable Secure; 'disable': Disable Secure (default); 'enable-fallback': Fall back to non-secure if fail;

Type: string

Supported Values: enable, disable, enable-fallback

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.30 gslb secure-attributes

GSLB Secure Settings per partition

secure-attributes Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	secure-attributes
Element URI	/axapi/v3/gslb/secure-attributes
Element Attributes	secure-attributes_attributes
Partition Visibility	shared
Schema	`secure-attributes schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

```
POST /axapi/v3/gslb/secure-attributes
Payload:
{
    "secure-attributes": {
        "action": "enable"
    }
}
```

Get Object

GET

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

```
GET /axapi/v3/gslb/secure-attributes
Reponse:
{
    "secure-attributes": {
        "action": "enable",
        "uuid": "9e493326-0905-11f0-84e1-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/secure-attributes"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

Replace Object

PUT

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

```
PUT /axapi/v3/gslb/secure-attributes
Payload:
{
    "secure-attributes": {
        "action": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/secure-attributes

secure-attributes attributes

```
DELETE /axapi/v3/gslb/secure-attributes
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

secure-attributes attributes

action

Description 'enable': Enable Secure; 'disable': Disable Secure; 'enable-fallback': Fall back to non-secure if fail; 'use-global-behavior': Follow global configuration under gslb protocol (default);

Type: string

Supported Values: enable, disable, enable-fallback, use-global-behavior

Default: use-global-behavior

gslb-cert

Description Certificate for Secure GSLB (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

gslb-key

Description Private Key for secure gslb signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.31 gslb service-group

Specify GSLB Service Group

service-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*service-group-name*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/gslb/service-group
Element Name	service-group
Element URI	/axapi/v3/gslb/service-group/{service-group-name}
Element Attributes	service-group_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/gslb/service-group/{service-group-name}/oper
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-group

service-group attributes

```
POST /axapi/v3/gslb/service-group/
Payload:
{
    "service-group": {
        "service-group-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/service-group

service-group attributes

Get Object

GET

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

```
GET /axapi/v3/gslb/service-group/a
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "service-group": {
        "service-group-name": "a",
        "disable": 0,
        "dependency-site": 0,
        "persistent-site": 0,
        "uuid": "940beaf2-090f-11f0-9794-815a0f7f8297",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/service-group/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/service-group

service-group-list

Modify Object

POST

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

Replace Object

PUT

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

```
PUT /axapi/v3/gslb/service-group/a
Payload:
{
    "service-group": {
        "service-group-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/service-group

service-group-list

Delete Object

DELETE

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

```
DELETE /axapi/v3/gslb/service-group/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

dependency-site

Description Dependency on site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-site-list

Type: List

member

Type: List

persistent-aging-time

Description Specify aging-time, unit: min, default is 5 (Aging time)

Type: number

Range: 1-65535

Default: 5

persistent-ipv6-mask

Description Specify IPv6 mask length, default is 128

Type: number

Range: 1-128

Default: 128

persistent-mask

Description Specify IP mask, default is /32

Type: string

Format: ipv4-netmask-brief

Default: /32

persistent-site

Description Persistent based on site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-name

Description Specify Service Group name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-site-list

Specification	Value
Type	*list*
Block object keys	

disable-site

Description Site name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/site*

member

Specification	Value
Type	*list*
Block object keys	

member-name

Description Service name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.56.32 gslb service-group oper

Operational Status for the object service-group

service-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/gslb/service-group/{service-group-name}
Element Name	service-group
Element URI	/axapi/v3/gslb/service-group/{service-group-name}/oper
Element Attributes	service-group_attributes
Partition Visibility	None
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

Create List

POST

/axapi/v3/gslb/service-group/{service-group-name}

service-group attributes

Get Object

GET

/axapi/v3/gslb/service-group/{service-group-name}/oper

service-group attributes

Get List

GET

/axapi/v3/gslb/service-group/{service-group-name}

service-group-list

Modify Object

POST

/axapi/v3/gslb/service-group/{service-group-name}/oper

service-group attributes

Replace Object

PUT

/axapi/v3/gslb/service-group/{service-group-name}/oper

service-group attributes

Replace List

PUT

/axapi/v3/gslb/service-group/{service-group-name}

service-group-list

Delete Object

DELETE

/axapi/v3/gslb/service-group/{service-group-name}/oper

service-group attributes

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

service-group-name

Description Specify Service Group name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Specification	Value
Type	*object*

matched

Description

Type: number

session-list

Type: List

total-sessions

Description

Type: number

oper_session-list

Specification	Value
Type	*list*
Block object keys	

aging

Description

Type: number

best

Description

Type: string

client

Description

Type: string

hits

Description

Type: number

last-second-hits

Description

Type: number

mode

Description

Type: string

ttl

Description

Type: string

update

Description

Type: number

2.56.33 gslb service-ip

Service IP

service-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*node-name*
Collection Name	*service-ip-list*
Collection URI	/axapi/v3/gslb/service-ip
Element Name	service-ip
Element URI	/axapi/v3/gslb/service-ip/{node-name}
Element Attributes	service-ip_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/service-ip/{node-name}/stats
Operational Data URI	/axapi/v3/gslb/service-ip/{node-name}/oper
Schema	`service-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip

service-ip attributes

```
POST /axapi/v3/gslb/service-ip/
Payload:
{
    "service-ip": {
        "node-name": "a",
        "ipv6-address": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/gslb/service-ip

service-ip attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

```
GET /axapi/v3/gslb/service-ip/a
Reponse:
{
    "service-ip": {
        "node-name": "a",
        "ipv6-address": "2003::1",
        "action": "enable",
        "health-check-protocol-disable": 0,
        "health-check-disable": 0,
        "uuid": "d43fbd6a-090f-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/service-ip/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/service-ip

service-ip-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

```
PUT /axapi/v3/gslb/service-ip/a
Payload:
{
    "service-ip": {
        "node-name": "a",
        "ipv6-address": "2003::1"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/service-ip

service-ip-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

```
DELETE /axapi/v3/gslb/service-ip/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

service-ip-list

service-ip-list is **JSON List** of *service-ip attributes*

service-ip-list : [

{ *service-ip attributes* },

{ *service-ip attributes* },

...

]

service-ip attributes

action

Description 'enable': Enable this GSLB server; 'disable': Disable this GSLB server;

Type: string

Supported Values: enable, disable

Default: enable

external-ip

Description External IP address for NAT

Type: string

Format: ipv4-address

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-address

Description IP address

Type: string

Format: ipv4-address

ipv6

Description IPv6 address Mapping (Applicable only when service-ip has an IPv4 Address)

Type: string

Format: ipv6-address

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

node-name

Description Service-IP Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}*

sampling-enable

Type: List

service-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check, health-check-follow-port, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable, health-check, and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port, health-check, and health-check-disable are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the service IP has been selected; 'recent': Recent hits;

Type: string

Supported Values: all, hits, recent

service-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

2.56.34 gslb service-ip oper

Operational Status for the object service-ip

service-ip Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-ip-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}
Element Name	service-ip
Element URI	/axapi/v3/gslb/service-ip/{node-name}/oper
Element Attributes	service-ip_attributes
Partition Visibility	None
Schema	`service-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/oper

service-ip attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}

service-ip-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/oper

service-ip attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/oper

service-ip attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}

service-ip-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/oper

service-ip attributes

service-ip-list

service-ip-list is **JSON List** of *service-ip attributes*

service-ip-list : [

{ *service-ip attributes* },

{ *service-ip attributes* },

…

]

service-ip attributes

node-name

Description Service-IP Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}*

service-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/service/{port-num}+{port-proto}+{label}*

oper

Specification	Value
Type	*object*

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

ip

Description

Type: string

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

port-count

Description

Type: number

service-ip

Description

Type: string

state

Description

Type: string

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

port-list

Specification	Value
Type	*list*
Block object keys	

oper

Description: oper is a **JSON Block**. Please see below for *port-list_oper*

Type: Object

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

port-list_oper

Specification	Value
Type	*object*

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

service-port

Description

Type: number

state

Description

Type: string

tcp

Description

Type: number

use_gslb_state

Description

Type: number

service-list

Specification	Value
Type	*list*
Block object keys	

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *service-list_oper*

Type: Object

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

service-list_oper

Specification	Value
Type	*object*

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

service-port

Description

Type: number

state

Description

Type: string

tcp

Description

Type: number

use_gslb_state

Description

Type: number

2.56.35 gslb service-ip port

Server Port

port Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port-num, port-proto*
Collection Name	*port-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}/port
Element Name	port
Element URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}
Element Attributes	port_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/stats
Operational Data URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}/port

port attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}/port

port attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}/port

port-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}/port

port-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check, health-check-follow-port, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable, health-check, and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port, health-check, and health-check-disable are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

2.56.36 gslb service-ip port oper

Operational Status for the object port

port Specification

Parameter	Value
Type	*Collection*
Collection Name	*port-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}
Element Name	port
Element URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/oper
Element Attributes	port_attributes
Partition Visibility	None
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/oper

port attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/oper

port attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/oper

port attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/oper

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

oper

Specification	Value
Type	*object*

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

service-port

Description

Type: number

state

Description

Type: string

tcp

Description

Type: number

use_gslb_state

Description

Type: number

2.56.37 gslb service-ip port stats

Statistics for the object port

port Specification

Parameter	Value
Type	*Collection*
Collection Name	*port-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}
Element Name	port
Element URI	/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/stats
Element Attributes	port_attributes
Partition Visibility	None
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/stats

port attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/stats

port attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/stats

port attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}

port-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/stats

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

active

Description Active Servers

Type: number

Format: counter

current

Description Current Connections

Type: number

Format: counter

2.56.38 gslb service-ip service

Service Port

service Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port-num, port-proto, label*
Collection Name	*service-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}/service
Element Name	service
Element URI	/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}
Element Attributes	service_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/stats
Operational Data URI	/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/oper
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}/service

service attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}/service

service attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}/service

service-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}/service

service-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service attributes

service-list

service-list is **JSON List** of *service attributes*

```
service-list : [
        { service attributes },
        { service attributes },
        ...
    ]
```

service attributes

action

Description 'enable': Enable this GSLB server port; 'disable': Disable this GSLB server port;

Type: string

Supported Values: enable, disable

Default: enable

health-check

Description Health Check Monitor (Monitor Name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable Health Check Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

health-check-protocol-disable

Description Disable GSLB Protocol Health Monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'active': Active Servers; 'current': Current Connections;

Type: string

Supported Values: all, active, current

2.56.39 gslb service-ip service oper

Operational Status for the object service

service Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}
Element Name	service
Element URI	/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/oper
Element Attributes	service_attributes
Partition Visibility	None
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/oper

service attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/oper

service attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/oper

service attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/oper

service attributes

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

...

]

service attributes

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

oper

Specification	Value
Type	*object*

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

service-port

Description

Type: number

state

Description

Type: string

tcp

Description

Type: number

use_gslb_state

Description

Type: number

2.56.40 gslb service-ip service stats

Statistics for the object service

service Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}
Element Name	service
Element URI	/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/stats
Element Attributes	service_attributes
Partition Visibility	None
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/stats

service attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/stats

service attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/stats

service attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}

service-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/service/{port-num}+{port-proto}+{label}/stats

service attributes

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

...

]

service attributes

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

active

Description Active Servers

Type: number

Format: counter

current

Description Current Connections

Type: number

Format: counter

2.56.41 gslb service-ip stats

Statistics for the object service-ip

service-ip Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-ip-list*
Collection URI	/axapi/v3/gslb/service-ip/{node-name}
Element Name	service-ip
Element URI	/axapi/v3/gslb/service-ip/{node-name}/stats
Element Attributes	service-ip_attributes
Partition Visibility	None
Schema	`service-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

Create List

POST

/axapi/v3/gslb/service-ip/{node-name}

service-ip attributes

Get Object

GET

/axapi/v3/gslb/service-ip/{node-name}/stats

service-ip attributes

Get List

GET

/axapi/v3/gslb/service-ip/{node-name}

service-ip-list

Modify Object

POST

/axapi/v3/gslb/service-ip/{node-name}/stats

service-ip attributes

Replace Object

PUT

/axapi/v3/gslb/service-ip/{node-name}/stats

service-ip attributes

Replace List

PUT

/axapi/v3/gslb/service-ip/{node-name}

service-ip-list

Delete Object

DELETE

/axapi/v3/gslb/service-ip/{node-name}/stats

service-ip attributes

service-ip-list

service-ip-list is **JSON List** of *service-ip attributes*

service-ip-list : [

{ *service-ip attributes* },

{ *service-ip attributes* },

...

]

service-ip attributes

node-name

Description Service-IP Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}*

service-list

Type: List

Reference Object: */axapi/v3/gslb/service-ip/{node-name}/port/{port-num}+{port-proto}/service/{port-num}+{port-proto}+{label}*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

port-list

Specification	Value
Type	*list*
Block object keys	

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *port-list_stats*

Type: Object

port-list_stats

Specification	Value
Type	*object*

active

Description Active Servers

Type: number

Format: counter

current

Description Current Connections

Type: number

Format: counter

stats

Specification	Value
Type	*object*

hits

Description Number of times the service IP has been selected

Type: number

Format: counter

recent

Description Recent hits

Type: number

Format: counter

service-list

Specification	Value
Type	*list*
Block object keys	

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-num

Description Port Number

Type: number

Range: 0-65534

port-proto

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *service-list_stats*

Type: Object

service-list_stats

Specification	Value
Type	*object*

active

Description Active Servers

Type: number

Format: counter

current

Description Current Connections

Type: number

Format: counter

2.56.42 gslb service-matching-rules

Configure service-matching rules for a GSLB zone

service-matching-rules Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*zone*
Collection Name	*service-matching-rules-list*
Collection URI	/axapi/v3/gslb/service-matching-rules
Element Name	service-matching-rules
Element URI	/axapi/v3/gslb/service-matching-rules/{zone}
Element Attributes	service-matching-rules_attributes
Partition Visibility	shared
Schema	`service-matching-rules schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-matching-rules

service-matching-rules attributes

Create List

POST

/axapi/v3/gslb/service-matching-rules

service-matching-rules attributes

Get Object

GET

/axapi/v3/gslb/service-matching-rules/{zone}

service-matching-rules attributes

Get List

GET

/axapi/v3/gslb/service-matching-rules

service-matching-rules-list

Modify Object

POST

/axapi/v3/gslb/service-matching-rules/{zone}

service-matching-rules attributes

Replace Object

PUT

/axapi/v3/gslb/service-matching-rules/{zone}

service-matching-rules attributes

Replace List

PUT

/axapi/v3/gslb/service-matching-rules

service-matching-rules-list

Delete Object

DELETE

/axapi/v3/gslb/service-matching-rules/{zone}

service-matching-rules attributes

service-matching-rules-list

service-matching-rules-list is **JSON List** of *service-matching-rules attributes*

service-matching-rules-list : [

{ *service-matching-rules attributes* },

{ *service-matching-rules attributes* },

…

]

service-matching-rules attributes

disable

Description Disable rule matching on associated zone (default is enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hitcount-enable

Description Enable hit count of rule matching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rule-list

Type: List

Reference Object: */axapi/v3/gslb/service-matching-rules/{zone}/rule/{seq-num}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description GSLB zone name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/zone*

rule-list

Specification	Value
Type	*list*
Block object keys	

domain-match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

domain-match-type

Description 'equals': Domain name equals to string; 'contains': Domain name contains string; 'starts-with': Domain name starts with string; 'ends-with': Domain name ends with string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

health-state

Type: List

seq-num

Description Sequence number of rule

Type: number

Range: 1-500

service

Description Name of zone service to be redirected

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

src-ipv4

Description Client source IPv4 subnet

Type: string

Format: ipv4-cidr

Mutual Exclusion: src-ipv4 and src-ipv6 are mutually exclusive

src-ipv6

Description Client source IPv6 subnet

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-ipv6 and src-ipv4 are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-list_health-state

Specification	Value
Type	*list*
Block object keys	

gslb-service-ip

Description Health state of GSLB service-ip (GSLB service-ip name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

gslb-site

Description Health state of GSLB site (GSLB site name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/site*

service-ip-state

Description 'Up': Up; 'Down': Down;

Type: string

Supported Values: Up, Down

site-state

Description 'AllUp': AllUp; 'Down': Down; 'AllUp-or-PartUp': AllUp-or-PartUp; 'Down-or-PartUp': Down-or-PartUp;

Type: string

Supported Values: AllUp, Down, AllUp-or-PartUp, Down-or-PartUp

slb-server

Description Health state of SLB server (SLB server name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

slb-svr-state

Description 'Up': Up; 'Down': Down;

Type: string

Supported Values: Up, Down

2.56.43 gslb service-matching-rules rule

Service-matching rule

rule Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*seq-num*
Collection Name	*rule-list*
Collection URI	/axapi/v3/gslb/service-matching-rules/{zone}/rule
Element Name	rule
Element URI	/axapi/v3/gslb/service-matching-rules/{zone}/rule/{seq-num}
Element Attributes	rule_attributes
Partition Visibility	shared
Schema	`rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-matching-rules/{zone}/rule

rule attributes

Create List

POST

/axapi/v3/gslb/service-matching-rules/{zone}/rule

rule attributes

Get Object

GET

/axapi/v3/gslb/service-matching-rules/{zone}/rule/{seq-num}

rule attributes

Get List

GET

/axapi/v3/gslb/service-matching-rules/{zone}/rule

rule-list

Modify Object

POST

/axapi/v3/gslb/service-matching-rules/{zone}/rule/{seq-num}

rule attributes

Replace Object

PUT

/axapi/v3/gslb/service-matching-rules/{zone}/rule/{seq-num}

rule attributes

Replace List

PUT

/axapi/v3/gslb/service-matching-rules/{zone}/rule

rule-list

Delete Object

DELETE

/axapi/v3/gslb/service-matching-rules/{zone}/rule/{seq-num}

rule attributes

rule-list

rule-list is **JSON List** of *rule attributes*

rule-list : [

{ *rule attributes* },

{ *rule attributes* },

...

]

rule attributes

domain-match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

domain-match-type

Description 'equals': Domain name equals to string; 'contains': Domain name contains string; 'starts-with': Domain name starts with string; 'ends-with': Domain name ends with string;

Type: string

Supported Values: equals, contains, starts-with, ends-with

health-state

Type: List

seq-num

Description Sequence number of rule

Type: number

Range: 1-500

service

Description Name of zone service to be redirected

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

src-ipv4

Description Client source IPv4 subnet

Type: string

Format: ipv4-cidr

Mutual Exclusion: src-ipv4 and src-ipv6 are mutually exclusive

src-ipv6

Description Client source IPv6 subnet

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-ipv6 and src-ipv4 are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-state

Specification	Value
Type	*list*
Block object keys	

gslb-service-ip

Description Health state of GSLB service-ip (GSLB service-ip name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

gslb-site

Description Health state of GSLB site (GSLB site name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/site*

service-ip-state

Description 'Up': Up; 'Down': Down;

Type: string

Supported Values: Up, Down

site-state

Description 'AllUp': AllUp; 'Down': Down; 'AllUp-or-PartUp': AllUp-or-PartUp; 'Down-or-PartUp': Down-or-PartUp;

Type: string

Supported Values: AllUp, Down, AllUp-or-PartUp, Down-or-PartUp

slb-server

Description Health state of SLB server (SLB server name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

slb-svr-state

Description 'Up': Up; 'Down': Down;

Type: string

Supported Values: Up, Down

2.56.44 gslb service-port oper

Operational Status for the object service-port

service-port Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	service-port
Element URI	/axapi/v3/gslb/service-port/oper
Element Attributes	service-port_attributes
Partition Visibility	None
Schema	`service-port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/service-port/oper

service-port attributes

Get Object

GET

/axapi/v3/gslb/service-port/oper

service-port attributes

Modify Object

POST

/axapi/v3/gslb/service-port/oper

service-port attributes

Replace Object

PUT

/axapi/v3/gslb/service-port/oper

service-port attributes

Delete Object

DELETE

/axapi/v3/gslb/service-port/oper

service-port attributes

service-port attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

label

Description

Type: string

port-count

Description

Type: number

service-hash

Description

Type: number

service-port-list

Type: List

oper_service-port-list

Specification	Value
Type	*list*
Block object keys	

active-real-server

Description

Type: number

attributes

Description

Type: string

current-connections

Description

Type: number

service-hcode

Description

Type: number

service-label

Description

Type: string

service-port-name

Description

Type: string

state

Description

Type: string

2.56.45 gslb site

Specify a GSLB site

site Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*site-name*
Collection Name	*site-list*
Collection URI	/axapi/v3/gslb/site
Element Name	site
Element URI	/axapi/v3/gslb/site/{site-name}
Element Attributes	site_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/oper
Schema	`site schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site

site attributes

```
POST /axapi/v3/gslb/site/a/ip-server/
Payload:
{
    "ip-server": {
        "ip-server-name": "a"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Create List

POST

/axapi/v3/gslb/site

site attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}

site attributes

```
GET /axapi/v3/gslb/site/a/ip-server/a
Reponse:
{
    "ip-server": {
        "ip-server-name": "a",
        "uuid": "bc9d80f2-090a-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/site/a/ip-server/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/site

site-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}

site attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}

site attributes

```
PUT /axapi/v3/gslb/site/a/ip-server/a
Payload:
{
    "ip-server": {
        "ip-server-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/site

site-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}

site attributes

```
DELETE /axapi/v3/gslb/site/a/ip-server/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

site-list

site-list is **JSON List** of *site attributes*

site-list : [

{ *site attributes* },

{ *site attributes* },

...

]

site attributes

active-rdt

Description: active-rdt is a **JSON Block**. Please see below for *active-rdt*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/active-rdt*

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

bw-cost

Description Specify cost of band-width

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

controller

Description Specify the local controller for the GSLB site (Specify the hostname of the local controller)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

disable

Description Disable all servers in the GSLB site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

easy-rdt

Description: easy-rdt is a **JSON Block**. Please see below for *easy-rdt*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/easy-rdt*

ip-server-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}*

limit

Description Specify the limit for bandwidth, default is unlimited

Type: number

Range: 0-2147483647

multiple-geo-locations

Type: List

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proto-aging-time

Description Specify GSLB Protocol aging time

Type: number

Range: 0-65535

Default: 0

site-name

Description Specify GSLB site name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

slb-dev-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}*

template

Description Specify template to collect site information (Specify GSLB SNMP template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/template/snmp*

threshold

Description Specify the threshold for limit

Type: number

Range: 0-100

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify a weight for the GSLB site (Weight, default is 1)

Type: number

Range: 1-100

Default: 1

ip-server-list

Specification	Value
Type	*list*
Block object keys	

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-dev-list

Specification	Value
Type	*list*
Block object keys	

admin-preference

Description Specify administrative preference (Specify admin-preference value,default is 100)

Type: number

Range: 0-255

Default: 100

auto-detect

Description 'ip': Service IP only; 'port': Service Port only; 'ip-and-port': Both service IP and service port; 'disabled': disable auto-detect;

Type: string

Supported Values: ip, port, ip-and-port, disabled

Default: ip-and-port

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

client-ip

Description Specify client IP address

Type: string

Format: ipv4-address

dev-resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN (Default Query type); 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

device-name

Description Specify SLB device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

domain

Description Device hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: domain, ip-address, and ipv6-address are mutually exclusive

gateway-ip-addr

Description IP address

Type: string

Format: ipv4-address

health-check-action

Description 'health-check': Enable health Check; 'health-check-disable': Disable health check;

Type: string

Supported Values: health-check, health-check-disable

Default: health-check

ip-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and domain are mutually exclusive

ipv6-address

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address and domain are mutually exclusive

max-client

Description Specify maximum number of clients, default is 32768

Type: number

Range: 1-2147483647

Default: 32768

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

probe-timer

Description

Type: number

Range: 1-255

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

proto-aging-time

Description Specify GSLB Protocol aging time, default is 60

Type: number

Range: 1-65535

Default: 60

proto-compatible

Description Run GSLB Protocol in compatible mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdt-type

Description 'rdt': rdt; 'site-rdt': site-rdt;

Type: string

Supported Values: rdt, site-rdt

rdt-value

Description Specify Round-delay-time

Type: number

Range: 1-65535

session-number

Description

Type: number

Range: 0-16777214

session-utilization

Description

Type: number

Range: 1-100

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server

Description: vip-server is a **JSON Block**. Please see below for *slb-dev-list_vip-server*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server*

slb-dev-list_vip-server

Specification	Value
Type	*object*

vip-server-name-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}*

slb-dev-list_vip-server_vip-server-v4-list

Specification	Value
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-dev-list_vip-server_vip-server-v4-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

slb-dev-list_vip-server_vip-server-v6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-dev-list_vip-server_vip-server-v6-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

slb-dev-list_vip-server_vip-server-name-list

Specification	Value
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

slb-dev-list_vip-server_vip-server-name-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

multiple-geo-locations

Specification	Value
Type	*list*
Block object keys	

geo-location

Description Specify the geographic location of the GSLB site (Specify geo-location for this site)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

easy-rdt

Specification	Value
Type	*object*

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-rdt

Specification	Value
Type	*object*

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.46 gslb site active-rdt

Active RDT options

active-rdt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	active-rdt
Element URI	/axapi/v3/gslb/site/{site-name}/active-rdt
Element Attributes	active-rdt_attributes
Partition Visibility	shared
Schema	`active-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

```
POST /axapi/v3/gslb/site/a/active-rdt
Payload:
{
    "active-rdt": {
        "aging-time": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

```
GET /axapi/v3/gslb/site/a/active-rdt
Reponse:
{
    "active-rdt": {
        "aging-time": 1,
        "smooth-factor": 10,
        "range-factor": 25,
        "limit": 16383,
        "mask": "/32",
        "ipv6-mask": 128,
        "ignore-count": 5,
        "bind-geoloc": 0,
        "uuid": "f82eadd4-0910-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/site/a/active-rdt"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

```
PUT /axapi/v3/gslb/site/a/active-rdt
Payload:
{
    "active-rdt": {
        "smooth-factor": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/active-rdt

active-rdt attributes

```
DELETE /axapi/v3/gslb/site/a/active-rdt
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

active-rdt attributes

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.47 gslb site easy-rdt

Active RDT options

easy-rdt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	easy-rdt
Element URI	/axapi/v3/gslb/site/{site-name}/easy-rdt
Element Attributes	easy-rdt_attributes
Partition Visibility	shared
Schema	`easy-rdt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

```
POST /axapi/v3/gslb/site/a/easy-rdt
Payload:
{
    "easy-rdt": {
        "aging-time": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

```
GET /axapi/v3/gslb/site/a/easy-rdt
Reponse:
{
    "easy-rdt": {
        "aging-time": 1,
        "smooth-factor": 10,
        "range-factor": 25,
        "limit": 16383,
        "mask": "/32",
        "ignore-count": 5,
        "bind-geoloc": 0,
        "uuid": "2fe3f112-0911-11f0-9794-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/site/a/easy-rdt"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

```
PUT /axapi/v3/gslb/site/a/easy-rdt
Payload:
{
    "easy-rdt": {
        "smooth-factor": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/easy-rdt

easy-rdt attributes

```
DELETE /axapi/v3/gslb/site/a/easy-rdt
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

easy-rdt attributes

aging-time

Description Aging Time, Unit: min, default is 10

Type: number

Range: 1-15360

Default: 10

bind-geoloc

Description Bind RDT to geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-count

Description Ignore count if RDT is out of range, default is 5

Type: number

Range: 0-15

Default: 5

ipv6-mask

Description Client IPv6 subnet mask, default is 128

Type: number

Range: 1-128

Default: 128

limit

Description Limit of valid RDT, default is 16383 (Limit, unit: millisecond)

Type: number

Range: 1-16383

Default: 16383

mask

Description Client IP subnet mask, default is 32

Type: string

Format: ipv4-netmask-brief

Default: /32

overlap

Description Enable overlap for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-factor

Description Factor of RDT Range, default is 25 (Range Factor of Smooth RDT)

Type: number

Range: 0-1000

Default: 25

smooth-factor

Description Factor of Smooth RDT, default is 10

Type: number

Range: 0-100

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.48 gslb site ip-server

Specify a real server for the GSLB site

ip-server Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-server-name*
Collection Name	*ip-server-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/ip-server
Element Name	ip-server
Element URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}
Element Attributes	ip-server_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/oper
Schema	`ip-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/ip-server

ip-server attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/ip-server

ip-server attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/ip-server

ip-server-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/ip-server

ip-server-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

ip-server-list

ip-server-list is **JSON List** of *ip-server attributes*

```
ip-server-list : [
        { ip-server attributes },
        { ip-server attributes },
        ...
    ]
```

ip-server attributes

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.49 gslb site ip-server oper

Operational Status for the object ip-server

ip-server Specification

Parameter	Value
Type	*Collection*
Collection Name	*ip-server-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}
Element Name	ip-server
Element URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/oper
Element Attributes	ip-server_attributes
Partition Visibility	None
Schema	`ip-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/oper

ip-server attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/oper

ip-server attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/oper

ip-server attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/oper

ip-server attributes

ip-server-list

ip-server-list is **JSON List** of *ip-server attributes*

ip-server-list : [

{ *ip-server attributes* },

{ *ip-server attributes* },

...

]

ip-server attributes

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

desc

Description

Type: string

disabled

Description

Type: number

drs-list

Type: List

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

ip-address

Description

Type: string

ip-server

Description

Type: string

ip-server-port

Type: List

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

state

Description

Type: string

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

oper_drs-list

Specification	Value
Type	*list*
Block object keys	

drs-disabled

Description

Type: number

drs-dynamic

Description

Type: number

drs-fqdn-name

Description

Type: string

drs-gslb-protocol

Description

Type: number

drs-hits

Description

Type: number

drs-ip-address

Description

Type: string

drs-local-protocol

Description

Type: number

drs-manually-health-check

Description

Type: number

drs-name

Description

Type: string

drs-port

Type: List

drs-port-count

Description

Type: number

drs-recent

Description

Type: number

drs-service-ip

Description

Type: string

drs-state

Description

Type: string

drs-use_gslb_state

Description

Type: number

drs-virtual-server

Description

Type: number

oper_drs-list_drs-port

Specification	Value
Type	*list*
Block object keys	

service-name

Description

Type: string

vport

Description

Type: number

vport-protocol

Description

Type: string

vport-state

Description

Type: string

oper_ip-server-port

Specification	Value
Type	*list*
Block object keys	

service-name

Description

Type: string

vport

Description

Type: number

vport-protocol

Description

Type: string

vport-state

Description

Type: string

2.56.50 gslb site ip-server stats

Statistics for the object ip-server

ip-server Specification

Parameter	Value
Type	*Collection*
Collection Name	*ip-server-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}
Element Name	ip-server
Element URI	/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/stats
Element Attributes	ip-server_attributes
Partition Visibility	None
Schema	`ip-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/stats

ip-server attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/stats

ip-server attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/stats

ip-server attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}

ip-server-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/stats

ip-server attributes

ip-server-list

ip-server-list is **JSON List** of *ip-server attributes*

ip-server-list : [

{ *ip-server attributes* },

{ *ip-server attributes* },

…

]

ip-server attributes

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the IP was selected

Type: number

Format: counter

recent

Description Recent hits

Type: number

Format: counter

2.56.51 gslb site oper

Operational Status for the object site

site Specification

Parameter	Value
Type	*Collection*
Collection Name	*site-list*
Collection URI	/axapi/v3/gslb/site/{site-name}
Element Name	site
Element URI	/axapi/v3/gslb/site/{site-name}/oper
Element Attributes	site_attributes
Partition Visibility	None
Schema	`site schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}

site attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}

site attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/oper

site attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}

site-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/oper

site attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/oper

site attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}

site-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/oper

site attributes

site-list

site-list is **JSON List** of *site attributes*

site-list : [

{ *site attributes* },

{ *site attributes* },

...

]

site attributes

ip-server-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}*

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

site-name

Description Specify GSLB site name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

slb-dev-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/slb-dev/{device-name}*

oper

Specification	Value
Type	*object*

client-ldns-list

Type: List

gslb-site

Description

Type: string

state

Description

Type: string

total-vip-curr-conn

Description

Type: number

type-last

Type: List

oper_client-ldns-list

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

client-ip

Description

Type: string

rdt-sample1

Description

Type: number

rdt-sample2

Description

Type: number

rdt-sample3

Description

Type: number

rdt-sample4

Description

Type: number

rdt-sample5

Description

Type: number

rdt-sample6

Description

Type: number

rdt-sample7

Description

Type: number

rdt-sample8

Description

Type: number

type

Description

Type: string

oper_type-last

Specification	Value
Type	*list*
Block object keys	

last

Description

Type: string

type

Description

Type: string

ip-server-list

Specification	Value
Type	*list*
Block object keys	

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *ip-server-list_oper*

Type: Object

ip-server-list_oper

Specification	Value
Type	*object*

desc

Description

Type: string

disabled

Description

Type: number

drs-list

Type: List

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

ip-address

Description

Type: string

ip-server

Description

Type: string

ip-server-port

Type: List

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

state

Description

Type: string

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

ip-server-list_oper_drs-list

Specification	Value
Type	*list*
Block object keys	

drs-disabled

Description

Type: number

drs-dynamic

Description

Type: number

drs-fqdn-name

Description

Type: string

drs-gslb-protocol

Description

Type: number

drs-hits

Description

Type: number

drs-ip-address

Description

Type: string

drs-local-protocol

Description

Type: number

drs-manually-health-check

Description

Type: number

drs-name

Description

Type: string

drs-port

Type: List

drs-port-count

Description

Type: number

drs-recent

Description

Type: number

drs-service-ip

Description

Type: string

drs-state

Description

Type: string

drs-use_gslb_state

Description

Type: number

drs-virtual-server

Description

Type: number

ip-server-list_oper_drs-list_drs-port

Specification	Value
Type	*list*
Block object keys	

service-name

Description

Type: string

vport

Description

Type: number

vport-protocol

Description

Type: string

vport-state

Description

Type: string

ip-server-list_oper_ip-server-port

Specification	Value
Type	*list*
Block object keys	

service-name

Description

Type: string

vport

Description

Type: number

vport-protocol

Description

Type: string

vport-state

Description

Type: string

slb-dev-list

Specification	Value
Type	*list*
Block object keys	

device-name

Description Specify SLB device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *slb-dev-list_oper*

Type: Object

vip-server

Description: vip-server is a **JSON Block**. Please see below for *slb-dev-list_vip-server*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/slb-dev/{device-name}/vip-server*

slb-dev-list_oper

Specification	Value
Type	*object*

client-ldns-list

Type: List

dev-state

Description

Type: string

dev_admin_preference

Description

Type: number

dev_attr

Description

Type: string

dev_gw_state

Description

Type: string

dev_ip

Description

Type: string

dev_ip_cnt

Description

Type: number

dev_name

Description

Type: string

dev_session_num

Description

Type: number

dev_session_util

Description

Type: number

slb-dev-list_oper_client-ldns-list

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

client-ip

Description

Type: string

rdt-sample1

Description

Type: number

rdt-sample2

Description

Type: number

rdt-sample3

Description

Type: number

rdt-sample4

Description

Type: number

rdt-sample5

Description

Type: number

rdt-sample6

Description

Type: number

rdt-sample7

Description

Type: number

rdt-sample8

Description

Type: number

type

Description

Type: string

slb-dev-list_vip-server

Specification	Value
Type	*object*

oper

Type: Object

vip-server-name-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/vip-server-v6/{ipv6}/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/vip-server-v6/{ipv6}*

slb-dev-list_vip-server_vip-server-v4-list

Specification	Value
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

oper

Description: oper is a **JSON Block**. Please see below for *slb-dev-list_vip-server_vip-server-v4-list_oper*

Type: Object

slb-dev-list_vip-server_vip-server-v4-list_oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

slb-dev-list_vip-server_vip-server-v4-list_oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

slb-dev-list_vip-server_vip-server-v6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

oper

Description: oper is a **JSON Block**. Please see below for *slb-dev-list_vip-server_vip-server-v6-list_oper*

Type: Object

slb-dev-list_vip-server_vip-server-v6-list_oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

slb-dev-list_vip-server_vip-server-v6-list_oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

slb-dev-list_vip-server_vip-server-name-list

Specification	Value
Type	*list*
Block object keys	

oper

Description: oper is a **JSON Block**. Please see below for *slb-dev-list_vip-server_vip-server-name-list_oper*

Type: Object

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

slb-dev-list_vip-server_vip-server-name-list_oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

slb-dev-list_vip-server_vip-server-name-list_oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

2.56.52 gslb site slb-dev

Specify a SLB device for the GSLB site

slb-dev Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*device-name*
Collection Name	*slb-dev-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev
Element Name	slb-dev
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}
Element Attributes	slb-dev_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/oper
Schema	`slb-dev schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev

slb-dev attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev

slb-dev attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev

slb-dev-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev

slb-dev-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

slb-dev-list

slb-dev-list is **JSON List** of *slb-dev attributes*

slb-dev-list : [

{ *slb-dev attributes* },

{ *slb-dev attributes* },

...

]

slb-dev attributes

admin-preference

Description Specify administrative preference (Specify admin-preference value,default is 100)

Type: number

Range: 0-255

Default: 100

auto-detect

Description 'ip': Service IP only; 'port': Service Port only; 'ip-and-port': Both service IP and service port; 'disabled': disable auto-detect;

Type: string

Supported Values: ip, port, ip-and-port, disabled

Default: ip-and-port

auto-map

Description Enable DNS Auto Mapping

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

client-ip

Description Specify client IP address

Type: string

Format: ipv4-address

dev-resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN (Default Query type); 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

device-name

Description Specify SLB device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

domain

Description Device hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: domain, ip-address, and ipv6-address are mutually exclusive

gateway-ip-addr

Description IP address

Type: string

Format: ipv4-address

health-check-action

Description 'health-check': Enable health Check; 'health-check-disable': Disable health check;

Type: string

Supported Values: health-check, health-check-disable

Default: health-check

ip-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and domain are mutually exclusive

ipv6-address

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address and domain are mutually exclusive

max-client

Description Specify maximum number of clients, default is 32768

Type: number

Range: 1-2147483647

Default: 32768

msg-format-acos-2x

Description Run GSLB Protocol in compatible mode with a ACOS 2.x GSLB peer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

probe-timer

Description

Type: number

Range: 1-255

proto-aging-fast

Description Fast GSLB Protocol aging

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

proto-aging-time

Description Specify GSLB Protocol aging time, default is 60

Type: number

Range: 1-65535

Default: 60

proto-compatible

Description Run GSLB Protocol in compatible mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdt-type

Description 'rdt': rdt; 'site-rdt': site-rdt;

Type: string

Supported Values: rdt, site-rdt

rdt-value

Description Specify Round-delay-time

Type: number

Range: 1-65535

session-number

Description

Type: number

Range: 0-16777214

session-utilization

Description

Type: number

Range: 1-100

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server

Description: vip-server is a **JSON Block**. Please see below for *vip-server*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server*

vip-server

Specification	Value
Type	*object*

vip-server-name-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}*

vip-server_vip-server-v4-list

Specification	Value
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server_vip-server-v4-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

vip-server_vip-server-v6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server_vip-server-v6-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

vip-server_vip-server-name-list

Specification	Value
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

vip-server_vip-server-name-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

2.56.53 gslb site slb-dev oper

Operational Status for the object slb-dev

slb-dev Specification

Parameter	Value
Type	*Collection*
Collection Name	*slb-dev-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}
Element Name	slb-dev
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/oper
Element Attributes	slb-dev_attributes
Partition Visibility	None
Schema	`slb-dev schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/oper

slb-dev attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/oper

slb-dev attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/oper

slb-dev attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}

slb-dev-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/oper

slb-dev attributes

slb-dev-list

slb-dev-list is **JSON List** of *slb-dev attributes*

slb-dev-list : [

{ *slb-dev attributes* },

{ *slb-dev attributes* },

…

]

slb-dev attributes

device-name

Description Specify SLB device name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

vip-server

Description: vip-server is a **JSON Block**. Please see below for *vip-server*

Type: Object

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server*

oper

Specification	Value
Type	*object*

client-ldns-list

Type: List

dev-state

Description

Type: string

dev_admin_preference

Description

Type: number

dev_attr

Description

Type: string

dev_gw_state

Description

Type: string

dev_ip

Description

Type: string

dev_ip_cnt

Description

Type: number

dev_name

Description

Type: string

dev_session_num

Description

Type: number

dev_session_util

Description

Type: number

oper_client-ldns-list

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

client-ip

Description

Type: string

rdt-sample1

Description

Type: number

rdt-sample2

Description

Type: number

rdt-sample3

Description

Type: number

rdt-sample4

Description

Type: number

rdt-sample5

Description

Type: number

rdt-sample6

Description

Type: number

rdt-sample7

Description

Type: number

rdt-sample8

Description

Type: number

type

Description

Type: string

vip-server

Specification	Value
Type	*object*

oper

Type: Object

vip-server-name-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/vip-server-v6/{ipv6}/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/vip-server-v6/{ipv6}*

vip-server_vip-server-v4-list

Specification	Value
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

oper

Description: oper is a **JSON Block**. Please see below for *vip-server_vip-server-v4-list_oper*

Type: Object

vip-server_vip-server-v4-list_oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

vip-server_vip-server-v4-list_oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

vip-server_vip-server-v6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

oper

Description: oper is a **JSON Block**. Please see below for *vip-server_vip-server-v6-list_oper*

Type: Object

vip-server_vip-server-v6-list_oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

vip-server_vip-server-v6-list_oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

vip-server_vip-server-name-list

Specification	Value
Type	*list*
Block object keys	

oper

Description: oper is a **JSON Block**. Please see below for *vip-server_vip-server-name-list_oper*

Type: Object

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

vip-server_vip-server-name-list_oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

vip-server_vip-server-name-list_oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

2.56.54 gslb site slb-dev vip-server

Specify a VIP for the SLB device

vip-server Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	vip-server
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server
Element Attributes	vip-server_attributes
Partition Visibility	shared
Schema	`vip-server schema`

Operations Allowed:

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server

vip-server_attributes

vip-server attributes

vip-server-name-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}*

vip-server-v4-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}*

vip-server-v6-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}*

vip-server-v4-list

Specification	Value
Type	*list*
Block object keys	

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server-v4-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

vip-server-v6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-server-v6-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

vip-server-name-list

Specification	Value
Type	*list*
Block object keys	

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

vip-server-name-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

2.56.55 gslb site slb-dev vip-server vip-server-name

Specify a VIP for the SLB device

vip-server-name Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*vip-name*
Collection Name	*vip-server-name-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name
Element Name	vip-server-name
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}
Element Attributes	vip-server-name_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/oper
Schema	`vip-server-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name

vip-server-name attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name

vip-server-name attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name

vip-server-name-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name

vip-server-name-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

vip-server-name-list

vip-server-name-list is **JSON List** of *vip-server-name attributes*

```
vip-server-name-list : [
        { vip-server-name attributes },
        { vip-server-name attributes },
        ...
    ]
```

vip-server-name attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

2.56.56 gslb site slb-dev vip-server vip-server-name oper

Operational Status for the object vip-server-name

vip-server-name Specification

Parameter	Value
Type	*Collection*
Collection Name	*vip-server-name-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}
Element Name	vip-server-name
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/oper
Element Attributes	vip-server-name_attributes
Partition Visibility	None
Schema	`vip-server-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/oper

vip-server-name attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/oper

vip-server-name attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/oper

vip-server-name attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/oper

vip-server-name attributes

vip-server-name-list

vip-server-name-list is **JSON List** of *vip-server-name attributes*

```
vip-server-name-list : [
        { vip-server-name attributes },
        { vip-server-name attributes },
        ...
    ]
```

vip-server-name attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

2.56.57 gslb site slb-dev vip-server vip-server-name stats

Statistics for the object vip-server-name

vip-server-name Specification

Parameter	Value
Type	*Collection*
Collection Name	*vip-server-name-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}
Element Name	vip-server-name
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/stats
Element Attributes	vip-server-name_attributes
Partition Visibility	None
Schema	`vip-server-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/stats

vip-server-name attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/stats

vip-server-name attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/stats

vip-server-name attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}

vip-server-name-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-name/{vip-name}/stats

vip-server-name attributes

vip-server-name-list

vip-server-name-list is **JSON List** of *vip-server-name attributes*

```
vip-server-name-list : [
        { vip-server-name attributes },
        { vip-server-name attributes },
        ...
    ]
```

vip-server-name attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

vip-name

Description Specify a VIP name for the SLB device

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Specification	Value
Type	*object*

dev_vip_hits

Description Number of times the service-ip was selected

Type: number

Format: counter

dev_vip_recent

Description Recent hits

Type: number

Format: counter

2.56.58 gslb site slb-dev vip-server vip-server-v4

Specify a VIP for the SLB device

vip-server-v4 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4*
Collection Name	*vip-server-v4-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4
Element Name	vip-server-v4
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}
Element Attributes	vip-server-v4_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/oper
Schema	`vip-server-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4

vip-server-v4 attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4

vip-server-v4 attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4

vip-server-v4-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4

vip-server-v4-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

vip-server-v4-list

vip-server-v4-list is **JSON List** of *vip-server-v4 attributes*

```
vip-server-v4-list : [
        { vip-server-v4 attributes },
        { vip-server-v4 attributes },
        ...
    ]
```

vip-server-v4 attributes

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

2.56.59 gslb site slb-dev vip-server vip-server-v4 oper

Operational Status for the object vip-server-v4

vip-server-v4 Specification

Parameter	Value
Type	*Collection*
Collection Name	*vip-server-v4-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}
Element Name	vip-server-v4
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/oper
Element Attributes	vip-server-v4_attributes
Partition Visibility	None
Schema	`vip-server-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/oper

vip-server-v4 attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/oper

vip-server-v4 attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/oper

vip-server-v4 attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/oper

vip-server-v4 attributes

vip-server-v4-list

vip-server-v4-list is **JSON List** of *vip-server-v4 attributes*

```
vip-server-v4-list : [
        { vip-server-v4 attributes },
        { vip-server-v4 attributes },
        ...
    ]
```

vip-server-v4 attributes

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

2.56.60 gslb site slb-dev vip-server vip-server-v4 stats

Statistics for the object vip-server-v4

vip-server-v4 Specification

Parameter	Value
Type	*Collection*
Collection Name	*vip-server-v4-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}
Element Name	vip-server-v4
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/stats
Element Attributes	vip-server-v4_attributes
Partition Visibility	None
Schema	`vip-server-v4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4 attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/stats

vip-server-v4 attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/stats

vip-server-v4 attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/stats

vip-server-v4 attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}

vip-server-v4-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v4/{ipv4}/stats

vip-server-v4 attributes

vip-server-v4-list

vip-server-v4-list is **JSON List** of *vip-server-v4 attributes*

```
vip-server-v4-list : [
        { vip-server-v4 attributes },
        { vip-server-v4 attributes },
        ...
    ]
```

vip-server-v4 attributes

ipv4

Description Specify IP address

Type: string

Format: ipv4-address

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

dev_vip_hits

Description Number of times the service-ip was selected

Type: number

Format: counter

dev_vip_recent

Description Recent hits

Type: number

Format: counter

2.56.61 gslb site slb-dev vip-server vip-server-v6

Specify a VIP for the SLB device

vip-server-v6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6*
Collection Name	*vip-server-v6-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6
Element Name	vip-server-v6
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}
Element Attributes	vip-server-v6_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/stats
Operational Data URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/oper
Schema	`vip-server-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6

vip-server-v6 attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6

vip-server-v6 attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6

vip-server-v6-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6

vip-server-v6-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

vip-server-v6-list

vip-server-v6-list is **JSON List** of *vip-server-v6 attributes*

vip-server-v6-list : [

{ *vip-server-v6 attributes* },

{ *vip-server-v6 attributes* },

…

]

vip-server-v6 attributes

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dev_vip_hits': Number of times the service-ip was selected;

Type: string

Supported Values: all, dev_vip_hits, dev_vip_recent

2.56.62 gslb site slb-dev vip-server vip-server-v6 oper

Operational Status for the object vip-server-v6

vip-server-v6 Specification

Parameter	Value
Type	*Collection*
Collection Name	*vip-server-v6-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}
Element Name	vip-server-v6
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/oper
Element Attributes	vip-server-v6_attributes
Partition Visibility	None
Schema	`vip-server-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/oper

vip-server-v6 attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/oper

vip-server-v6 attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/oper

vip-server-v6 attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/oper

vip-server-v6 attributes

vip-server-v6-list

vip-server-v6-list is **JSON List** of *vip-server-v6 attributes*

```
vip-server-v6-list : [
        { vip-server-v6 attributes },
        { vip-server-v6 attributes },
        ...
    ]
```

vip-server-v6 attributes

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

dev-vip-port-list

Type: List

dev_vip_addr

Description

Type: string

dev_vip_state

Description

Type: string

disabled

Description

Type: number

dynamic

Description

Type: number

gslb-protocol

Description

Type: number

hits

Description

Type: number

local-protocol

Description

Type: number

manually-health-check

Description

Type: number

node-name

Description

Type: string

port-count

Description

Type: number

recent

Description

Type: number

service-ip

Description

Type: string

shared

Description

Type: number

use_gslb_state

Description

Type: number

virtual-server

Description

Type: number

oper_dev-vip-port-list

Specification	Value
Type	*list*
Block object keys	

dev-vip-port-dev-curr-conn

Description

Type: number

dev-vip-port-num

Description

Type: number

dev-vip-port-protocol

Description

Type: string

dev-vip-port-service-name

Description

Type: string

dev-vip-port-state

Description

Type: string

2.56.63 gslb site slb-dev vip-server vip-server-v6 stats

Statistics for the object vip-server-v6

vip-server-v6 Specification

Parameter	Value
Type	*Collection*
Collection Name	*vip-server-v6-list*
Collection URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}
Element Name	vip-server-v6
Element URI	/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/stats
Element Attributes	vip-server-v6_attributes
Partition Visibility	None
Schema	`vip-server-v6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6 attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/stats

vip-server-v6 attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/stats

vip-server-v6 attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/stats

vip-server-v6 attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}

vip-server-v6-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/slb-dev/{device-name}/vip-server/vip-server-v6/{ipv6}/stats

vip-server-v6 attributes

vip-server-v6-list

vip-server-v6-list is **JSON List** of *vip-server-v6 attributes*

```
vip-server-v6-list : [
        { vip-server-v6 attributes },
        { vip-server-v6 attributes },
        ...
    ]
```

vip-server-v6 attributes

ipv6

Description Specify IP address (IPv6 address)

Type: string

Format: ipv6-address

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

dev_vip_hits

Description Number of times the service-ip was selected

Type: number

Format: counter

dev_vip_recent

Description Recent hits

Type: number

Format: counter

2.56.64 gslb site stats

Statistics for the object site

site Specification

Parameter	Value
Type	*Collection*
Collection Name	*site-list*
Collection URI	/axapi/v3/gslb/site/{site-name}
Element Name	site
Element URI	/axapi/v3/gslb/site/{site-name}/stats
Element Attributes	site_attributes
Partition Visibility	None
Schema	`site schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/site/{site-name}

site attributes

Create List

POST

/axapi/v3/gslb/site/{site-name}

site attributes

Get Object

GET

/axapi/v3/gslb/site/{site-name}/stats

site attributes

Get List

GET

/axapi/v3/gslb/site/{site-name}

site-list

Modify Object

POST

/axapi/v3/gslb/site/{site-name}/stats

site attributes

Replace Object

PUT

/axapi/v3/gslb/site/{site-name}/stats

site attributes

Replace List

PUT

/axapi/v3/gslb/site/{site-name}

site-list

Delete Object

DELETE

/axapi/v3/gslb/site/{site-name}/stats

site attributes

site-list

site-list is **JSON List** of *site attributes*

site-list : [

{ *site attributes* },

{ *site attributes* },

...

]

site attributes

ip-server-list

Type: List

Reference Object: */axapi/v3/gslb/site/{site-name}/ip-server/{ip-server-name}*

site-name

Description Specify GSLB site name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

ip-server-list

Specification	Value
Type	*list*
Block object keys	

ip-server-name

Description Specify the real server name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *ip-server-list_stats*

Type: Object

ip-server-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the IP was selected

Type: number

Format: counter

recent

Description Recent hits

Type: number

Format: counter

stats

Specification	Value
Type	*object*

hits

Description Number of times the site was selected

Type: number

Format: counter

2.56.65 gslb statistics

GSLB Global stats

statistics Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	statistics
Element URI	/axapi/v3/gslb/statistics
Element Attributes	statistics_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/gslb/statistics/oper
Schema	`statistics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/statistics

statistics attributes

Get Object

GET

/axapi/v3/gslb/statistics

statistics attributes

Modify Object

POST

/axapi/v3/gslb/statistics

statistics attributes

Replace Object

PUT

/axapi/v3/gslb/statistics

statistics attributes

Delete Object

DELETE

/axapi/v3/gslb/statistics

statistics attributes

statistics attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.66 gslb statistics oper

Operational Status for the object statistics

statistics Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	statistics
Element URI	/axapi/v3/gslb/statistics/oper
Element Attributes	statistics_attributes
Partition Visibility	None
Schema	`statistics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/statistics/oper

statistics attributes

Get Object

GET

/axapi/v3/gslb/statistics/oper

statistics attributes

Modify Object

POST

/axapi/v3/gslb/statistics/oper

statistics attributes

Replace Object

PUT

/axapi/v3/gslb/statistics/oper

statistics attributes

Delete Object

DELETE

/axapi/v3/gslb/statistics/oper

statistics attributes

statistics attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

curr-ssl-ctx

Description

Type: number

2.56.67 gslb sync-objects

GSLB dynamic sync objects

sync-objects Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sync-objects
Element URI	/axapi/v3/gslb/sync-objects
Element Attributes	sync-objects_attributes
Partition Visibility	shared
Schema	`sync-objects schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/sync-objects

sync-objects attributes

Get Object

GET

/axapi/v3/gslb/sync-objects

sync-objects attributes

Modify Object

POST

/axapi/v3/gslb/sync-objects

sync-objects attributes

Replace Object

PUT

/axapi/v3/gslb/sync-objects

sync-objects attributes

Delete Object

DELETE

/axapi/v3/gslb/sync-objects

sync-objects attributes

sync-objects attributes

action

Description 'disable': Disable dynamic sync (default); 'enable': Enable dynamic sync;

Type: string

Supported Values: disable, enable

Default: disable

object-list

Description: object-list is a **JSON Block**. Please see below for *object-list*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

object-list

Specification	Value
Type	*object*

lineage

Description Lineage of object e.g.: slb, slb.service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.56.68 gslb system

GSLB system options

system Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system
Element URI	/axapi/v3/gslb/system
Element Attributes	system_attributes
Partition Visibility	shared
Schema	`system schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/system

system attributes

```
POST /axapi/v3/gslb/system
Payload:
{
    "system": {
        "ttl": 1
    }
}
```

Get Object

GET

/axapi/v3/gslb/system

system attributes

```
GET /axapi/v3/gslb/system
Reponse:
{
    "system": {
        "ttl": 1,
        "module": 0,
        "ip-ttl": 0,
        "wait": 0,
        "age-interval": 10,
        "geo-location-iana": 1,
        "uuid": "9e492dd6-0905-11f0-84e1-815a0f7f8297",
        "a10-url": "/axapi/v3/gslb/system"
    }
}
```

Modify Object

POST

/axapi/v3/gslb/system

system attributes

Replace Object

PUT

/axapi/v3/gslb/system

system attributes

```
PUT /axapi/v3/gslb/system
Payload:
{
    "system": {
        "ttl": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/gslb/system

system attributes

```
DELETE /axapi/v3/gslb/system
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

system attributes

age-interval

Description Interval to age runtime statistics. 0: never age, default is 10 (Time, unit: sec, default is 10)

Type: number

Range: 0-120

Default: 10

geo-location-iana

Description Load built-in IANA table

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

gslb-group

Description GSLB Group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-load-file-list

Type: List

gslb-service-ip

Description GSLB Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-site

Description GSLB Site

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hostname

Description System's Network Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-ttl

Description TTL of IP packets, default is 0 (IP TTL value, default is 0)

Type: number

Range: 0-255

Default: 0

module

Description Specify Auto Map Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-device

Description SLB Device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-server

Description SLB Server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-virtual-server

Description SLB Virtual Server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify Auto Map TTL (TTL, default is 300)

Type: number

Range: 1-65535

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wait

Description Disable GSLB until timeout if system is not ready (Time, unit: sec, default is 0)

Type: number

Range: 0-16384

Default: 0

gslb-load-file-list

Specification	Value
Type	*list*
Block object keys	

geo-location-load-filename

Description Specify file to be loaded

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-name

Description CSV template to load this file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/template/csv*

2.56.69 gslb template

Specify a GSLB template

template Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/gslb/template
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/gslb/template

template_attributes

template attributes

csv-list

Type: List

Reference Object: */axapi/v3/gslb/template/csv/{csv-name}*

snmp-list

Type: List

Reference Object: */axapi/v3/gslb/template/snmp/{snmp-name}*

snmp-list

Specification	Value
Type	*list*
Block object keys	

auth-key

Description Specify authentication key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

auth-proto

Description 'sha': SHA; 'md5': MD5;

Type: string

Supported Values: sha, md5

Default: md5

community

Description Specify community for version 2c (Community name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-engine-id

Description Specify context engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-name

Description Specify context name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Description Specify host (Host name or ip address)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

interface

Description Specify Interface ID

Type: number

Range: 0-2147483647

interval

Description Specify interval, default is 3 (Interval, unit: second, default is 3)

Type: number

Range: 1-999

Default: 3

oid

Description Specify OID

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Specify port, default is 161 (Port Number, default is 161)

Type: number

Range: 1-65535

Default: 161

priv-key

Description Specify privacy key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

priv-proto

Description 'aes': AES; 'des': DES;

Type: string

Supported Values: aes, des

Default: des

security-engine-id

Description Specify security engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

security-level

Description 'no-auth': No authentication; 'auth-no-priv': Authentication, but no privacy; 'auth-priv': Authentication and privacy;

Type: string

Supported Values: no-auth, auth-no-priv, auth-priv

Default: no-auth

snmp-name

Description Specify name of snmp template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Specify username (User name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description 'v1': Version 1; 'v2c': Version 2c; 'v3': Version 3;

Type: string

Supported Values: v1, v2c, v3

Default: v3

csv-list

Specification	Value
Type	*list*
Block object keys	

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

csv-list_multiple-fields

Specification	Value
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city, ASN

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

2.56.70 gslb template csv

Specify csv template

csv Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*csv-name*
Collection Name	*csv-list*
Collection URI	/axapi/v3/gslb/template/csv
Element Name	csv
Element URI	/axapi/v3/gslb/template/csv/{csv-name}
Element Attributes	csv_attributes
Partition Visibility	shared
Schema	`csv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/template/csv

csv attributes

```
POST /axapi/v3/gslb/template/csv/
Payload:
{
    "csv": {
        "csv-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/template/csv

csv attributes

Get Object

GET

/axapi/v3/gslb/template/csv/{csv-name}

csv attributes

```
GET /axapi/v3/gslb/template/csv/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "csv": {
        "csv-name": "a",
        "delim-num": 44,
        "ipv6-enable": 0,
        "uuid": "105a66bc-0913-11f0-9794-815a0f7f8297",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/template/csv/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/template/csv

csv-list

Modify Object

POST

/axapi/v3/gslb/template/csv/{csv-name}

csv attributes

Replace Object

PUT

/axapi/v3/gslb/template/csv/{csv-name}

csv attributes

```
PUT /axapi/v3/gslb/template/csv/a
Payload:
{
    "csv": {
        "csv-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/template/csv

csv-list

Delete Object

DELETE

/axapi/v3/gslb/template/csv/{csv-name}

csv attributes

```
DELETE /axapi/v3/gslb/template/csv/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

csv-list

csv-list is **JSON List** of *csv attributes*

csv-list : [

{ *csv attributes* },

{ *csv attributes* },

...

]

csv attributes

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

multiple-fields

Specification	Value
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city, ASN

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

2.56.71 gslb template snmp

Specify SNMP template

snmp Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*snmp-name*
Collection Name	*snmp-list*
Collection URI	/axapi/v3/gslb/template/snmp
Element Name	snmp
Element URI	/axapi/v3/gslb/template/snmp/{snmp-name}
Element Attributes	snmp_attributes
Partition Visibility	shared
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/template/snmp

snmp attributes

```
POST /axapi/v3/gslb/template/snmp/
Payload:
{
    "snmp": {
        "snmp-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/template/snmp

snmp attributes

Get Object

GET

/axapi/v3/gslb/template/snmp/{snmp-name}

snmp attributes

```
GET /axapi/v3/gslb/template/snmp/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "snmp": {
        "snmp-name": "a",
        "version": "v3",
        "security-level": "no-auth",
        "port": 161,
        "interval": 3,
        "auth-proto": "md5",
        "priv-proto": "des",
        "uuid": "37eea724-0913-11f0-9794-815a0f7f8297",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/template/snmp/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/template/snmp

snmp-list

Modify Object

POST

/axapi/v3/gslb/template/snmp/{snmp-name}

snmp attributes

Replace Object

PUT

/axapi/v3/gslb/template/snmp/{snmp-name}

snmp attributes

```
PUT /axapi/v3/gslb/template/snmp/a
Payload:
{
    "snmp": {
        "snmp-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/template/snmp

snmp-list

Delete Object

DELETE

/axapi/v3/gslb/template/snmp/{snmp-name}

snmp attributes

```
DELETE /axapi/v3/gslb/template/snmp/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

snmp-list

snmp-list is **JSON List** of *snmp attributes*

snmp-list : [

{ *snmp attributes* },

{ *snmp attributes* },

...

]

snmp attributes

auth-key

Description Specify authentication key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

auth-proto

Description 'sha': SHA; 'md5': MD5;

Type: string

Supported Values: sha, md5

Default: md5

community

Description Specify community for version 2c (Community name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-engine-id

Description Specify context engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

context-name

Description Specify context name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

host

Description Specify host (Host name or ip address)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

interface

Description Specify Interface ID

Type: number

Range: 0-2147483647

interval

Description Specify interval, default is 3 (Interval, unit: second, default is 3)

Type: number

Range: 1-999

Default: 3

oid

Description Specify OID

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Specify port, default is 161 (Port Number, default is 161)

Type: number

Range: 1-65535

Default: 161

priv-key

Description Specify privacy key (Specify key)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

priv-proto

Description 'aes': AES; 'des': DES;

Type: string

Supported Values: aes, des

Default: des

security-engine-id

Description Specify security engine ID

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

security-level

Description 'no-auth': No authentication; 'auth-no-priv': Authentication, but no privacy; 'auth-priv': Authentication and privacy;

Type: string

Supported Values: no-auth, auth-no-priv, auth-priv

Default: no-auth

snmp-name

Description Specify name of snmp template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

username

Description Specify username (User name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description 'v1': Version 1; 'v2c': Version 2c; 'v3': Version 3;

Type: string

Supported Values: v1, v2c, v3

Default: v3

2.56.72 gslb zone

Specify the DNS zone name for which global SLB is provided

zone Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*zone-list*
Collection URI	/axapi/v3/gslb/zone
Element Name	zone
Element URI	/axapi/v3/gslb/zone/{name}
Element Attributes	zone_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/oper
Schema	`zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone

zone attributes

```
POST /axapi/v3/gslb/zone/
Payload:
{
    "zone": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/gslb/zone

zone attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}

zone attributes

```
GET /axapi/v3/gslb/zone/a
Reponse:
{
    "zone": {
        "name": "a",
        "disable": 0,
        "policy": "default",
        "ttl": 10,
        "uuid": "53b18a94-0913-11f0-9794-815a0f7f8297",
        "user-tag": "a",
        "a10-url": "/axapi/v3/gslb/zone/a"
    }
}
```

Get List

GET

/axapi/v3/gslb/zone

zone-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}

zone attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}

zone attributes

```
PUT /axapi/v3/gslb/zone/a
Payload:
{
    "zone": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/gslb/zone

zone-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}

zone attributes

```
DELETE /axapi/v3/gslb/zone/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

zone-list

zone-list is **JSON List** of *zone attributes*

zone-list : [

{ *zone attributes* },

{ *zone attributes* },

...

]

zone attributes

disable

Description Disable all services in the GSLB zone

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}*

dns-soa-record

Description: dns-soa-record is a **JSON Block**. Please see below for *dns-soa-record*

Type: Object

name

Description Specify the name for the DNS zone

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Specify the policy for this zone (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

sampling-enable

Type: List

service-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

ttl

Description Specify the zone ttl value (TTL value, unit: second, default is 10)

Type: number

Range: 0-1000000000

Default: 10

Mutual Exclusion: ttl and use-server-ttl are mutually exclusive

use-server-ttl

Description Use DNS Server Response TTL value in GSLB Proxy mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-server-ttl and ttl are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ns-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-caa-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-mx-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Total Number of DNS queries received for the zone; 'sent-response': Total Number of DNS replies sent to clients for the zone; 'proxy-mode-response': Total Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the zone; 'cache-mode-response': Total Number of cached DNS replies sent to clients by the ACOS device for the zone. (This statistic applies only if the DNS cac; 'server-mode-response': Total Number of DNS replies sent to clients by the ACOS device as a DNS server for the zone. (This statistic applies only if th; 'sticky-mode-response': Total Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies on; 'backup-mode-response': Total Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response, smrule-redir-from-svc-hit, smrule-redir-from-svc-miss

template

Specification	Value
Type	*object*

dnssec

Description Specify DNSSEC template (Specify template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dns-soa-record

Specification	Value
Type	*object*

ex-expire

Description Specify Expire Time Interval, default is 1209600

Type: number

Range: 0-2147483647

Default: 1209600

ex-mail

Description Mailbox

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ex-refresh

Description Specify Refresh Time Interval, default is 3600

Type: number

Range: 0-2147483647

Default: 3600

ex-retry

Description Specify Retry Time Interval, default is 900

Type: number

Range: 0-2147483647

Default: 900

ex-serial

Description Specify Serial Number, default is Current Time (Time Interval)

Type: number

Range: 0-2147483647

ex-soa-ttl

Description Specify Negative caching TTL, default is Zone TTL

Type: number

Range: 0-2147483647

expire

Description Specify Expire Time Interval, default is 1209600

Type: number

Range: 0-2147483647

Default: 1209600

external

Description Specify External SOA Record (DNS Server Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

mail

Description Mailbox

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

refresh

Description Specify Refresh Time Interval, default is 3600

Type: number

Range: 0-2147483647

Default: 3600

retry

Description Specify Retry Time Interval, default is 900

Type: number

Range: 0-2147483647

Default: 900

serial

Description Specify Serial Number, default is Current Time (Time Interval)

Type: number

Range: 0-2147483647

soa-name

Description DNS Server Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

soa-ttl

Description Specify Negative caching TTL, default is Zone TTL

Type: number

Range: 0-2147483647

service-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'drop': Drop query; 'forward': Forward packet; 'ignore': Send empty response; 'reject': Send refuse response;

Type: string

Supported Values: drop, forward, ignore, reject

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record

Description: dns-a-record is a **JSON Block**. Please see below for *service-list_dns-a-record*

Type: Object

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record*

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-cname-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}*

dns-naptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}*

dns-ptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}*

dns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}*

dns-srv-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}*

dns-txt-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}*

forward-type

Description 'both': Forward both query and response; 'query': Forward query; 'response': Forward response;

Type: string

Supported Values: both, query, response

geo-location-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}*

health-check-gateway

Description 'enable': Enable Gateway Status Check; 'disable': Disable Gateway Status Check;

Type: string

Supported Values: enable, disable

Default: enable

health-check-port

Type: List

policy

Description Specify policy for this service (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-ptr-record-list

Specification	Value
Type	*list*
Block object keys	

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-ptr-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_geo-location-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action for this geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: action and policy are mutually exclusive

action-type

Description 'allow': Allow query from this geo-location; 'drop': Drop query from this geo-location; 'forward': Forward packet for this geo-location; 'ignore': Send empty response to this geo-location; 'reject': Send refuse response to this geo-location;

Type: string

Supported Values: allow, drop, forward, ignore, reject

alias

Type: List

forward-type

Description 'both': Forward both query and response; 'query': Forward query from this geo-location; 'response': Forward response to this geo-location;

Type: string

Supported Values: both, query, response

geo-name

Description Specify the geo-location

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Policy for this geo-location (Specify the policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: policy and action are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_geo-location-list_alias

Specification	Value
Type	*list*
Block object keys	

alias

Description Send CNAME response for this geo-location (Specify a CNAME record)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

service-list_dns-cname-record-list

Specification	Value
Type	*list*
Block object keys	

admin-preference

Description Specify Administrative Preference, default is 100

Type: number

Range: 0-255

Default: 100

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 1

Type: number

Range: 1-100

Default: 1

service-list_dns-cname-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cname-hits': Number of times the CNAME has been used;

Type: string

Supported Values: all, cname-hits

service-list_dns-txt-record-list

Specification	Value
Type	*list*
Block object keys	

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

txt-data

Description Specify TXT Data

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-txt-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_dns-naptr-record-list

Specification	Value
Type	*list*
Block object keys	

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

order

Description Specify Order

Type: number

Range: 0-65535

preference

Description Specify Preference

Type: number

Range: 0-65535

regexp

Description Return the regular expression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-naptr-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'naptr-hits': Number of times the NAPTR has been used;

Type: string

Supported Values: all, naptr-hits

service-list_health-check-port

Specification	Value
Type	*list*
Block object keys	

health-check-port

Description Check Related Port Status (Port Number)

Type: number

Range: 0-65534

service-list_dns-record-list

Specification	Value
Type	*list*
Block object keys	

data

Description Specify DNS Data

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

type

Description Specify DNS Type

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-a-record

Specification	Value
Type	*object*

dns-a-record-ipv4-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}*

dns-a-record-ipv6-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}*

dns-a-record-srv-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}*

service-list_dns-a-record_dns-a-record-ipv6-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

service-list_dns-a-record_dns-a-record-ipv4-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

service-list_dns-a-record_dns-a-record-srv-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-name

Description Specify port service name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

service-list_dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-ns-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-caa-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the CAA has been used;

Type: string

Supported Values: all, hits

service-list_dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_dns-mx-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

service-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Number of DNS queries received for the service; 'sent-response': Number of DNS replies sent to clients for the service; 'proxy-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service; 'cache-mode-response': Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache; 'server-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D; 'sticky-mode-response': Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if; 'backup-mode-response': help Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response, smrule-redir-from-svc-hit, smrule-redir-from-svc-miss

service-list_dns-srv-record-list

Specification	Value
Type	*list*
Block object keys	

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 10

Type: number

Range: 0-65535

Default: 10

service-list_dns-srv-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.73 gslb zone dns-caa-record

Specify DNS CAA Record

dns-caa-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*critical-flag, property-tag, rdata*
Collection Name	*dns-caa-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-caa-record
Element Name	dns-caa-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}
Element Attributes	dns-caa-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/oper
Schema	`dns-caa-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record

dns-caa-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record

dns-caa-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-caa-record

dns-caa-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-caa-record

dns-caa-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

dns-caa-record-list

dns-caa-record-list is **JSON List** of *dns-caa-record attributes*

dns-caa-record-list : [

{ *dns-caa-record attributes* },

{ *dns-caa-record attributes* },

…

]

dns-caa-record attributes

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.74 gslb zone dns-caa-record oper

Operational Status for the object dns-caa-record

dns-caa-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-caa-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}
Element Name	dns-caa-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/oper
Element Attributes	dns-caa-record_attributes
Partition Visibility	None
Schema	`dns-caa-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/oper

dns-caa-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/oper

dns-caa-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/oper

dns-caa-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/oper

dns-caa-record attributes

dns-caa-record-list

dns-caa-record-list is **JSON List** of *dns-caa-record attributes*

```
dns-caa-record-list : [
        { dns-caa-record attributes },
        { dns-caa-record attributes },
        ...
    ]
```

dns-caa-record attributes

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

oper

Specification	Value
Type	*object*

last-server

Description

Type: string

2.56.75 gslb zone dns-caa-record stats

Statistics for the object dns-caa-record

dns-caa-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-caa-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}
Element Name	dns-caa-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats
Element Attributes	dns-caa-record_attributes
Partition Visibility	None
Schema	`dns-caa-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats

dns-caa-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats

dns-caa-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats

dns-caa-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats

dns-caa-record attributes

dns-caa-record-list

dns-caa-record-list is **JSON List** of *dns-caa-record attributes*

```
dns-caa-record-list : [
        { dns-caa-record attributes },
        { dns-caa-record attributes },
        ...
    ]
```

dns-caa-record attributes

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.76 gslb zone dns-mx-record

Specify DNS MX Record

dns-mx-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*mx-name*
Collection Name	*dns-mx-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-mx-record
Element Name	dns-mx-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}
Element Attributes	dns-mx-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/oper
Schema	`dns-mx-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record

dns-mx-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record

dns-mx-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-mx-record

dns-mx-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-mx-record

dns-mx-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

dns-mx-record-list

dns-mx-record-list is **JSON List** of *dns-mx-record attributes*

dns-mx-record-list : [

{ *dns-mx-record attributes* },

{ *dns-mx-record attributes* },

...

]

dns-mx-record attributes

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.77 gslb zone dns-mx-record oper

Operational Status for the object dns-mx-record

dns-mx-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-mx-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}
Element Name	dns-mx-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/oper
Element Attributes	dns-mx-record_attributes
Partition Visibility	None
Schema	`dns-mx-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/oper

dns-mx-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/oper

dns-mx-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/oper

dns-mx-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/oper

dns-mx-record attributes

dns-mx-record-list

dns-mx-record-list is **JSON List** of *dns-mx-record attributes*

dns-mx-record-list : [

{ *dns-mx-record attributes* },

{ *dns-mx-record attributes* },

...

]

dns-mx-record attributes

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

priority

Description

Type: number

2.56.78 gslb zone dns-mx-record stats

Statistics for the object dns-mx-record

dns-mx-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-mx-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}
Element Name	dns-mx-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/stats
Element Attributes	dns-mx-record_attributes
Partition Visibility	None
Schema	`dns-mx-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/stats

dns-mx-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/stats

dns-mx-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/stats

dns-mx-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}

dns-mx-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/stats

dns-mx-record attributes

dns-mx-record-list

dns-mx-record-list is **JSON List** of *dns-mx-record attributes*

dns-mx-record-list : [

{ *dns-mx-record attributes* },

{ *dns-mx-record attributes* },

...

]

dns-mx-record attributes

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.79 gslb zone dns-ns-record

Specify DNS NS Record

dns-ns-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ns-name*
Collection Name	*dns-ns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-ns-record
Element Name	dns-ns-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}
Element Attributes	dns-ns-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/oper
Schema	`dns-ns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record

dns-ns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record

dns-ns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-ns-record

dns-ns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-ns-record

dns-ns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

dns-ns-record-list

dns-ns-record-list is **JSON List** of *dns-ns-record attributes*

dns-ns-record-list : [

{ *dns-ns-record attributes* },

{ *dns-ns-record attributes* },

...

]

dns-ns-record attributes

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.80 gslb zone dns-ns-record oper

Operational Status for the object dns-ns-record

dns-ns-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-ns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}
Element Name	dns-ns-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/oper
Element Attributes	dns-ns-record_attributes
Partition Visibility	None
Schema	`dns-ns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/oper

dns-ns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/oper

dns-ns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/oper

dns-ns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/oper

dns-ns-record attributes

dns-ns-record-list

dns-ns-record-list is **JSON List** of *dns-ns-record attributes*

dns-ns-record-list : [

{ *dns-ns-record attributes* },

{ *dns-ns-record attributes* },

...

]

dns-ns-record attributes

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

2.56.81 gslb zone dns-ns-record stats

Statistics for the object dns-ns-record

dns-ns-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-ns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}
Element Name	dns-ns-record
Element URI	/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/stats
Element Attributes	dns-ns-record_attributes
Partition Visibility	None
Schema	`dns-ns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/stats

dns-ns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/stats

dns-ns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/stats

dns-ns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}

dns-ns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/dns-ns-record/{ns-name}/stats

dns-ns-record attributes

dns-ns-record-list

dns-ns-record-list is **JSON List** of *dns-ns-record attributes*

dns-ns-record-list : [

{ *dns-ns-record attributes* },

{ *dns-ns-record attributes* },

…

]

dns-ns-record attributes

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.82 gslb zone oper

Operational Status for the object zone

zone Specification

Parameter	Value
Type	*Collection*
Collection Name	*zone-list*
Collection URI	/axapi/v3/gslb/zone/{name}
Element Name	zone
Element URI	/axapi/v3/gslb/zone/{name}/oper
Element Attributes	zone_attributes
Partition Visibility	None
Schema	`zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}

zone attributes

Create List

POST

/axapi/v3/gslb/zone/{name}

zone attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/oper

zone attributes

Get List

GET

/axapi/v3/gslb/zone/{name}

zone-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/oper

zone attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/oper

zone attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}

zone-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/oper

zone attributes

zone-list

zone-list is **JSON List** of *zone attributes*

zone-list : [

{ *zone attributes* },

{ *zone attributes* },

...

]

zone attributes

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}*

name

Description Specify the name for the DNS zone

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

service-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}*

oper

Specification	Value
Type	*object*

dns-soa-record-list

Type: List

smrule

Description

Type: boolean

Supported Values: true, false, 1, 0

state

Description

Type: string

oper_dns-soa-record-list

Specification	Value
Type	*list*
Block object keys	

expire

Description

Type: number

mx-name

Description

Type: string

name

Description

Type: string

refresh

Description

Type: number

retry

Description

Type: number

serial

Description

Type: number

ttl

Description

Type: number

type

Description

Type: string

dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *dns-ns-record-list_oper*

Type: Object

dns-ns-record-list_oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

oper

Description: oper is a **JSON Block**. Please see below for *dns-caa-record-list_oper*

Type: Object

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

dns-caa-record-list_oper

Specification	Value
Type	*object*

last-server

Description

Type: string

dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *dns-mx-record-list_oper*

Type: Object

dns-mx-record-list_oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

priority

Description

Type: number

service-list

Specification	Value
Type	*list*
Block object keys	

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}*

oper

Description: oper is a **JSON Block**. Please see below for *service-list_oper*

Type: Object

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

service-list_oper

Specification	Value
Type	*object*

cache-list

Type: List

dns-a-record-list

Type: List

matched

Description

Type: number

session-list

Type: List

state

Description

Type: string

total-sessions

Description

Type: number

service-list_oper_cache-list

Specification	Value
Type	*list*
Block object keys	

additional-records

Description

Type: number

alias

Description

Type: string

answer-records

Description

Type: number

authority-records

Description

Type: number

cache-dns-flag

Description

Type: string

cache-length

Description

Type: number

cache-ttl

Description

Type: number

question-records

Description

Type: number

service-list_oper_session-list

Specification	Value
Type	*list*
Block object keys	

aging

Description

Type: number

best

Description

Type: string

client

Description

Type: string

hits

Description

Type: number

last-second-hits

Description

Type: number

mode

Description

Type: string

ttl

Description

Type: string

update

Description

Type: number

service-list_oper_dns-a-record-list

Specification	Value
Type	*list*
Block object keys	

ip

Description

Type: string

rec-ttl

Description

Type: number

service-list_dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *service-list_dns-mx-record-list_oper*

Type: Object

service-list_dns-mx-record-list_oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

priority

Description

Type: number

service-list_dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *service-list_dns-ns-record-list_oper*

Type: Object

service-list_dns-ns-record-list_oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

2.56.83 gslb zone service

Service information for the GSLB zone

service Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*service-port, service-name*
Collection Name	*service-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service
Element Name	service
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}
Element Attributes	service_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/oper
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service

service attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service

service attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service

service-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service

service-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

...

]

service attributes

action

Description 'drop': Drop query; 'forward': Forward packet; 'ignore': Send empty response; 'reject': Send refuse response;

Type: string

Supported Values: drop, forward, ignore, reject

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record

Description: dns-a-record is a **JSON Block**. Please see below for *dns-a-record*

Type: Object

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record*

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-cname-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}*

dns-naptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}*

dns-ptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}*

dns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}*

dns-srv-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}*

dns-txt-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}*

forward-type

Description 'both': Forward both query and response; 'query': Forward query; 'response': Forward response;

Type: string

Supported Values: both, query, response

geo-location-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}*

health-check-gateway

Description 'enable': Enable Gateway Status Check; 'disable': Disable Gateway Status Check;

Type: string

Supported Values: enable, disable

Default: enable

health-check-port

Type: List

policy

Description Specify policy for this service (Specify policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ptr-record-list

Specification	Value
Type	*list*
Block object keys	

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ptr-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

geo-location-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action for this geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: action and policy are mutually exclusive

action-type

Description 'allow': Allow query from this geo-location; 'drop': Drop query from this geo-location; 'forward': Forward packet for this geo-location; 'ignore': Send empty response to this geo-location; 'reject': Send refuse response to this geo-location;

Type: string

Supported Values: allow, drop, forward, ignore, reject

alias

Type: List

forward-type

Description 'both': Forward both query and response; 'query': Forward query from this geo-location; 'response': Forward response to this geo-location;

Type: string

Supported Values: both, query, response

geo-name

Description Specify the geo-location

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Policy for this geo-location (Specify the policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: policy and action are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list_alias

Specification	Value
Type	*list*
Block object keys	

alias

Description Send CNAME response for this geo-location (Specify a CNAME record)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

dns-cname-record-list

Specification	Value
Type	*list*
Block object keys	

admin-preference

Description Specify Administrative Preference, default is 100

Type: number

Range: 0-255

Default: 100

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 1

Type: number

Range: 1-100

Default: 1

dns-cname-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cname-hits': Number of times the CNAME has been used;

Type: string

Supported Values: all, cname-hits

dns-txt-record-list

Specification	Value
Type	*list*
Block object keys	

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

txt-data

Description Specify TXT Data

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-txt-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-naptr-record-list

Specification	Value
Type	*list*
Block object keys	

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

order

Description Specify Order

Type: number

Range: 0-65535

preference

Description Specify Preference

Type: number

Range: 0-65535

regexp

Description Return the regular expression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-naptr-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'naptr-hits': Number of times the NAPTR has been used;

Type: string

Supported Values: all, naptr-hits

health-check-port

Specification	Value
Type	*list*
Block object keys	

health-check-port

Description Check Related Port Status (Port Number)

Type: number

Range: 0-65534

dns-record-list

Specification	Value
Type	*list*
Block object keys	

data

Description Specify DNS Data

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

type

Description Specify DNS Type

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-a-record

Specification	Value
Type	*object*

dns-a-record-ipv4-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}*

dns-a-record-ipv6-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}*

dns-a-record-srv-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}*

dns-a-record_dns-a-record-ipv6-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-a-record_dns-a-record-ipv4-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-a-record_dns-a-record-srv-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-name

Description Specify port service name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-ns-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-caa-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the CAA has been used;

Type: string

Supported Values: all, hits

dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-mx-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'received-query': Number of DNS queries received for the service; 'sent-response': Number of DNS replies sent to clients for the service; 'proxy-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service; 'cache-mode-response': Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache; 'server-mode-response': Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D; 'sticky-mode-response': Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if; 'backup-mode-response': help Number of DNS replies sent to clients by the ACOS device in backup mode;

Type: string

Supported Values: all, received-query, sent-response, proxy-mode-response, cache-mode-response, server-mode-response, sticky-mode-response, backup-mode-response, smrule-redir-from-svc-hit, smrule-redir-from-svc-miss

dns-srv-record-list

Specification	Value
Type	*list*
Block object keys	

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 10

Type: number

Range: 0-65535

Default: 10

dns-srv-record-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.84 gslb zone service dns-a-record

Specify DNS Address Record

dns-a-record Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	dns-a-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record
Element Attributes	dns-a-record_attributes
Partition Visibility	shared
Schema	`dns-a-record schema`

Operations Allowed:

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record

dns-a-record_attributes

dns-a-record attributes

dns-a-record-ipv4-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}*

dns-a-record-ipv6-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}*

dns-a-record-srv-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}*

dns-a-record-ipv6-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-a-record-ipv4-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

dns-a-record-srv-list

Specification	Value
Type	*list*
Block object keys	

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-name

Description Specify port service name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

2.56.85 gslb zone service dns-a-record dns-a-record-ipv4

Specify DNS Address Record

dns-a-record-ipv4 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*dns-a-record-ip*
Collection Name	*dns-a-record-ipv4-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4
Element Name	dns-a-record-ipv4
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}
Element Attributes	dns-a-record-ipv4_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}/stats
Schema	`dns-a-record-ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4

dns-a-record-ipv4 attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4

dns-a-record-ipv4 attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4

dns-a-record-ipv4-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4

dns-a-record-ipv4-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

dns-a-record-ipv4-list

dns-a-record-ipv4-list is **JSON List** of *dns-a-record-ipv4 attributes*

dns-a-record-ipv4-list : [

{ *dns-a-record-ipv4 attributes* },

{ *dns-a-record-ipv4 attributes* },

…

]

dns-a-record-ipv4 attributes

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

2.56.86 gslb zone service dns-a-record dns-a-record-ipv4 stats

Statistics for the object dns-a-record-ipv4

dns-a-record-ipv4 Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-a-record-ipv4-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}
Element Name	dns-a-record-ipv4
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}/stats
Element Attributes	dns-a-record-ipv4_attributes
Partition Visibility	None
Schema	`dns-a-record-ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4 attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}/stats

dns-a-record-ipv4 attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}/stats

dns-a-record-ipv4 attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}/stats

dns-a-record-ipv4 attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}

dns-a-record-ipv4-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv4/{dns-a-record-ip}/stats

dns-a-record-ipv4 attributes

dns-a-record-ipv4-list

dns-a-record-ipv4-list is **JSON List** of *dns-a-record-ipv4 attributes*

dns-a-record-ipv4-list : [

{ *dns-a-record-ipv4 attributes* },

{ *dns-a-record-ipv4 attributes* },

...

]

dns-a-record-ipv4 attributes

dns-a-record-ip

Description Specify IP address

Type: string

Format: ipv4-address

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.87 gslb zone service dns-a-record dns-a-record-ipv6

Specify DNS Address Record

dns-a-record-ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*dns-a-record-ipv6*
Collection Name	*dns-a-record-ipv6-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6
Element Name	dns-a-record-ipv6
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}
Element Attributes	dns-a-record-ipv6_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}/stats
Schema	`dns-a-record-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6

dns-a-record-ipv6 attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6

dns-a-record-ipv6 attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6

dns-a-record-ipv6-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6

dns-a-record-ipv6-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

dns-a-record-ipv6-list

dns-a-record-ipv6-list is **JSON List** of *dns-a-record-ipv6 attributes*

dns-a-record-ipv6-list : [

{ *dns-a-record-ipv6 attributes* },

{ *dns-a-record-ipv6 attributes* },

...

]

dns-a-record-ipv6 attributes

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

2.56.88 gslb zone service dns-a-record dns-a-record-ipv6 stats

Statistics for the object dns-a-record-ipv6

dns-a-record-ipv6 Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-a-record-ipv6-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}
Element Name	dns-a-record-ipv6
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}/stats
Element Attributes	dns-a-record-ipv6_attributes
Partition Visibility	None
Schema	`dns-a-record-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6 attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}/stats

dns-a-record-ipv6 attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}/stats

dns-a-record-ipv6 attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}/stats

dns-a-record-ipv6 attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}

dns-a-record-ipv6-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-ipv6/{dns-a-record-ipv6}/stats

dns-a-record-ipv6 attributes

dns-a-record-ipv6-list

dns-a-record-ipv6-list is **JSON List** of *dns-a-record-ipv6 attributes*

dns-a-record-ipv6-list : [

{ *dns-a-record-ipv6 attributes* },

{ *dns-a-record-ipv6 attributes* },

...

]

dns-a-record-ipv6 attributes

dns-a-record-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.89 gslb zone service dns-a-record dns-a-record-srv

Specify DNS Address Record

dns-a-record-srv Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*svrname*
Collection Name	*dns-a-record-srv-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv
Element Name	dns-a-record-srv
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}
Element Attributes	dns-a-record-srv_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}/stats
Schema	`dns-a-record-srv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv

dns-a-record-srv attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv

dns-a-record-srv attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv

dns-a-record-srv-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv

dns-a-record-srv-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

dns-a-record-srv-list

dns-a-record-srv-list is **JSON List** of *dns-a-record-srv attributes*

```
dns-a-record-srv-list : [
        { dns-a-record-srv attributes },
        { dns-a-record-srv attributes },
        ...
    ]
```

dns-a-record-srv attributes

admin-ip

Description Specify admin priority of Service-IP (Specify the priority)

Type: number

Range: 1-255

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

as-replace

Description Return this Service-IP when enable ip-replace

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable this Service-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-resp

Description Don't use this Service-IP as DNS response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-name

Description Specify service label

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

static

Description Return this Service-IP in DNS server mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/gslb/service-ip*

ttl

Description Specify TTL for Service-IP

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify weight for Service-IP (Weight value)

Type: number

Range: 1-100

2.56.90 gslb zone service dns-a-record dns-a-record-srv stats

Statistics for the object dns-a-record-srv

dns-a-record-srv Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-a-record-srv-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}
Element Name	dns-a-record-srv
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}/stats
Element Attributes	dns-a-record-srv_attributes
Partition Visibility	None
Schema	`dns-a-record-srv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}/stats

dns-a-record-srv attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}/stats

dns-a-record-srv attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}/stats

dns-a-record-srv attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}

dns-a-record-srv-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-a-record/dns-a-record-srv/{svrname}/stats

dns-a-record-srv attributes

dns-a-record-srv-list

dns-a-record-srv-list is **JSON List** of *dns-a-record-srv attributes*

dns-a-record-srv-list : [

{ *dns-a-record-srv attributes* },

{ *dns-a-record-srv attributes* },

...

]

dns-a-record-srv attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

svrname

Description Specify name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.91 gslb zone service dns-caa-record

Specify DNS CAA Record

dns-caa-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*critical-flag, property-tag, rdata*
Collection Name	*dns-caa-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record
Element Name	dns-caa-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}
Element Attributes	dns-caa-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats
Schema	`dns-caa-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record

dns-caa-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record

dns-caa-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record

dns-caa-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record

dns-caa-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

dns-caa-record-list

dns-caa-record-list is **JSON List** of *dns-caa-record attributes*

dns-caa-record-list : [

{ *dns-caa-record attributes* },

{ *dns-caa-record attributes* },

...

]

dns-caa-record attributes

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the CAA has been used;

Type: string

Supported Values: all, hits

2.56.92 gslb zone service dns-caa-record stats

Statistics for the object dns-caa-record

dns-caa-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-caa-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}
Element Name	dns-caa-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats
Element Attributes	dns-caa-record_attributes
Partition Visibility	None
Schema	`dns-caa-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats

dns-caa-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats

dns-caa-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats

dns-caa-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}

dns-caa-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/stats

dns-caa-record attributes

dns-caa-record-list

dns-caa-record-list is **JSON List** of *dns-caa-record attributes*

dns-caa-record-list : [

{ *dns-caa-record attributes* },

{ *dns-caa-record attributes* },

...

]

dns-caa-record attributes

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the CAA has been used

Type: number

Format: counter

2.56.93 gslb zone service dns-cname-record

Specify DNS CNAME Record

dns-cname-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*alias-name*
Collection Name	*dns-cname-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record
Element Name	dns-cname-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}
Element Attributes	dns-cname-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/stats
Schema	`dns-cname-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record

dns-cname-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record

dns-cname-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record

dns-cname-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record

dns-cname-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

dns-cname-record-list

dns-cname-record-list is **JSON List** of *dns-cname-record attributes*

dns-cname-record-list : [

{ *dns-cname-record attributes* },

{ *dns-cname-record attributes* },

...

]

dns-cname-record attributes

admin-preference

Description Specify Administrative Preference, default is 100

Type: number

Range: 0-255

Default: 100

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

as-backup

Description As backup when fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 1

Type: number

Range: 1-100

Default: 1

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cname-hits': Number of times the CNAME has been used;

Type: string

Supported Values: all, cname-hits

2.56.94 gslb zone service dns-cname-record stats

Statistics for the object dns-cname-record

dns-cname-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-cname-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}
Element Name	dns-cname-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/stats
Element Attributes	dns-cname-record_attributes
Partition Visibility	None
Schema	`dns-cname-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/stats

dns-cname-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/stats

dns-cname-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/stats

dns-cname-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}

dns-cname-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/stats

dns-cname-record attributes

dns-cname-record-list

dns-cname-record-list is **JSON List** of *dns-cname-record attributes*

dns-cname-record-list : [

{ *dns-cname-record attributes* },

{ *dns-cname-record attributes* },

...

]

dns-cname-record attributes

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

cname-hits

Description Number of times the CNAME has been used

Type: number

Format: counter

2.56.95 gslb zone service dns-mx-record

Specify DNS MX Record

dns-mx-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*mx-name*
Collection Name	*dns-mx-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record
Element Name	dns-mx-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}
Element Attributes	dns-mx-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/oper
Schema	`dns-mx-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record

dns-mx-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record

dns-mx-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record

dns-mx-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record

dns-mx-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

dns-mx-record-list

dns-mx-record-list is **JSON List** of *dns-mx-record attributes*

```
dns-mx-record-list : [
        { dns-mx-record attributes },
        { dns-mx-record attributes },
        ...
    ]
```

dns-mx-record attributes

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.96 gslb zone service dns-mx-record oper

Operational Status for the object dns-mx-record

dns-mx-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-mx-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}
Element Name	dns-mx-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/oper
Element Attributes	dns-mx-record_attributes
Partition Visibility	None
Schema	`dns-mx-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/oper

dns-mx-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/oper

dns-mx-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/oper

dns-mx-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/oper

dns-mx-record attributes

dns-mx-record-list

dns-mx-record-list is **JSON List** of *dns-mx-record attributes*

dns-mx-record-list : [

{ *dns-mx-record attributes* },

{ *dns-mx-record attributes* },

...

]

dns-mx-record attributes

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

priority

Description

Type: number

2.56.97 gslb zone service dns-mx-record stats

Statistics for the object dns-mx-record

dns-mx-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-mx-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}
Element Name	dns-mx-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/stats
Element Attributes	dns-mx-record_attributes
Partition Visibility	None
Schema	`dns-mx-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/stats

dns-mx-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/stats

dns-mx-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/stats

dns-mx-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}

dns-mx-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/stats

dns-mx-record attributes

dns-mx-record-list

dns-mx-record-list is **JSON List** of *dns-mx-record attributes*

dns-mx-record-list : [

{ *dns-mx-record attributes* },

{ *dns-mx-record attributes* },

...

]

dns-mx-record attributes

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.98 gslb zone service dns-naptr-record

Specify DNS NAPTR Record

dns-naptr-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*naptr-target, service-proto, flag*
Collection Name	*dns-naptr-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record
Element Name	dns-naptr-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}
Element Attributes	dns-naptr-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/stats
Schema	`dns-naptr-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record

dns-naptr-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record

dns-naptr-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record

dns-naptr-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record

dns-naptr-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

dns-naptr-record-list

dns-naptr-record-list is **JSON List** of *dns-naptr-record attributes*

dns-naptr-record-list : [

{ *dns-naptr-record attributes* },

{ *dns-naptr-record attributes* },

...

]

dns-naptr-record attributes

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

order

Description Specify Order

Type: number

Range: 0-65535

preference

Description Specify Preference

Type: number

Range: 0-65535

regexp

Description Return the regular expression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'naptr-hits': Number of times the NAPTR has been used;

Type: string

Supported Values: all, naptr-hits

2.56.99 gslb zone service dns-naptr-record stats

Statistics for the object dns-naptr-record

dns-naptr-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-naptr-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}
Element Name	dns-naptr-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/stats
Element Attributes	dns-naptr-record_attributes
Partition Visibility	None
Schema	`dns-naptr-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/stats

dns-naptr-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/stats

dns-naptr-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/stats

dns-naptr-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}

dns-naptr-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/stats

dns-naptr-record attributes

dns-naptr-record-list

dns-naptr-record-list is **JSON List** of *dns-naptr-record attributes*

dns-naptr-record-list : [

{ *dns-naptr-record attributes* },

{ *dns-naptr-record attributes* },

...

]

dns-naptr-record attributes

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

naptr-hits

Description Number of times the NAPTR has been used

Type: number

Format: counter

2.56.100 gslb zone service dns-ns-record

Specify DNS NS Record

dns-ns-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ns-name*
Collection Name	*dns-ns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record
Element Name	dns-ns-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}
Element Attributes	dns-ns-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/stats
Operational Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/oper
Schema	`dns-ns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record

dns-ns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record

dns-ns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record

dns-ns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record

dns-ns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

dns-ns-record-list

dns-ns-record-list is **JSON List** of *dns-ns-record attributes*

dns-ns-record-list : [

{ *dns-ns-record attributes* },

{ *dns-ns-record attributes* },

...

]

dns-ns-record attributes

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.101 gslb zone service dns-ns-record oper

Operational Status for the object dns-ns-record

dns-ns-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-ns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}
Element Name	dns-ns-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/oper
Element Attributes	dns-ns-record_attributes
Partition Visibility	None
Schema	`dns-ns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/oper

dns-ns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/oper

dns-ns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/oper

dns-ns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/oper

dns-ns-record attributes

dns-ns-record-list

dns-ns-record-list is **JSON List** of *dns-ns-record attributes*

```
dns-ns-record-list : [
        { dns-ns-record attributes },
        { dns-ns-record attributes },
        ...
    ]
```

dns-ns-record attributes

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

2.56.102 gslb zone service dns-ns-record stats

Statistics for the object dns-ns-record

dns-ns-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-ns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}
Element Name	dns-ns-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/stats
Element Attributes	dns-ns-record_attributes
Partition Visibility	None
Schema	`dns-ns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/stats

dns-ns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/stats

dns-ns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/stats

dns-ns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}

dns-ns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ns-record/{ns-name}/stats

dns-ns-record attributes

dns-ns-record-list

dns-ns-record-list is **JSON List** of *dns-ns-record attributes*

dns-ns-record-list : [

{ *dns-ns-record attributes* },

{ *dns-ns-record attributes* },

...

]

dns-ns-record attributes

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.103 gslb zone service dns-ptr-record

Specify DNS PTR Record

dns-ptr-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ptr-name*
Collection Name	*dns-ptr-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record
Element Name	dns-ptr-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}
Element Attributes	dns-ptr-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}/stats
Schema	`dns-ptr-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record

dns-ptr-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record

dns-ptr-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record

dns-ptr-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record

dns-ptr-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

dns-ptr-record-list

dns-ptr-record-list is **JSON List** of *dns-ptr-record attributes*

```
dns-ptr-record-list : [
        { dns-ptr-record attributes },
        { dns-ptr-record attributes },
        ...
    ]
```

dns-ptr-record attributes

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.104 gslb zone service dns-ptr-record stats

Statistics for the object dns-ptr-record

dns-ptr-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-ptr-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}
Element Name	dns-ptr-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}/stats
Element Attributes	dns-ptr-record_attributes
Partition Visibility	None
Schema	`dns-ptr-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}/stats

dns-ptr-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}/stats

dns-ptr-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}/stats

dns-ptr-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}

dns-ptr-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-ptr-record/{ptr-name}/stats

dns-ptr-record attributes

dns-ptr-record-list

dns-ptr-record-list is **JSON List** of *dns-ptr-record attributes*

```
dns-ptr-record-list : [
        { dns-ptr-record attributes },
        { dns-ptr-record attributes },
        ...
    ]
```

dns-ptr-record attributes

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.105 gslb zone service dns-record

Specify DNS Record

dns-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*type*
Collection Name	*dns-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record
Element Name	dns-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}
Element Attributes	dns-record_attributes
Partition Visibility	shared
Schema	`dns-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record

dns-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record

dns-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}

dns-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record

dns-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}

dns-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}

dns-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record

dns-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-record/{type}

dns-record attributes

dns-record-list

dns-record-list is **JSON List** of *dns-record attributes*

dns-record-list : [

{ *dns-record attributes* },

{ *dns-record attributes* },

...

]

dns-record attributes

data

Description Specify DNS Data

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

type

Description Specify DNS Type

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.56.106 gslb zone service dns-srv-record

Specify DNS SRV Record

dns-srv-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*srv-name, port*
Collection Name	*dns-srv-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record
Element Name	dns-srv-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}
Element Attributes	dns-srv-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}/stats
Schema	`dns-srv-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record

dns-srv-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record

dns-srv-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record

dns-srv-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record

dns-srv-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

dns-srv-record-list

dns-srv-record-list is **JSON List** of *dns-srv-record attributes*

```
dns-srv-record-list : [
        { dns-srv-record attributes },
        { dns-srv-record attributes },
        ...
    ]
```

dns-srv-record attributes

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

priority

Description Specify Priority

Type: number

Range: 0-65535

sampling-enable

Type: List

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Specify Weight, default is 10

Type: number

Range: 0-65535

Default: 10

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.107 gslb zone service dns-srv-record stats

Statistics for the object dns-srv-record

dns-srv-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-srv-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}
Element Name	dns-srv-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}/stats
Element Attributes	dns-srv-record_attributes
Partition Visibility	None
Schema	`dns-srv-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}/stats

dns-srv-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}/stats

dns-srv-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}/stats

dns-srv-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}

dns-srv-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-srv-record/{srv-name}+{port}/stats

dns-srv-record attributes

dns-srv-record-list

dns-srv-record-list is **JSON List** of *dns-srv-record attributes*

dns-srv-record-list : [

{ *dns-srv-record attributes* },

{ *dns-srv-record attributes* },

...

]

dns-srv-record attributes

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.108 gslb zone service dns-txt-record

Specify DNS TXT Record

dns-txt-record Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*record-name*
Collection Name	*dns-txt-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record
Element Name	dns-txt-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}
Element Attributes	dns-txt-record_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}/stats
Schema	`dns-txt-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record

dns-txt-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record

dns-txt-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record

dns-txt-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record

dns-txt-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

dns-txt-record-list

dns-txt-record-list is **JSON List** of *dns-txt-record attributes*

```
dns-txt-record-list : [
        { dns-txt-record attributes },
        { dns-txt-record attributes },
        ...
    ]
```

dns-txt-record attributes

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

ttl

Description Specify TTL

Type: number

Range: 0-2147483647

Default: 0

txt-data

Description Specify TXT Data

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of times the record has been used;

Type: string

Supported Values: all, hits

2.56.109 gslb zone service dns-txt-record stats

Statistics for the object dns-txt-record

dns-txt-record Specification

Parameter	Value
Type	*Collection*
Collection Name	*dns-txt-record-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}
Element Name	dns-txt-record
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}/stats
Element Attributes	dns-txt-record_attributes
Partition Visibility	None
Schema	`dns-txt-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}/stats

dns-txt-record attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}/stats

dns-txt-record attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}/stats

dns-txt-record attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}

dns-txt-record-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-txt-record/{record-name}/stats

dns-txt-record attributes

dns-txt-record-list

dns-txt-record-list is **JSON List** of *dns-txt-record attributes*

dns-txt-record-list : [

{ *dns-txt-record attributes* },

{ *dns-txt-record attributes* },

...

]

dns-txt-record attributes

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

2.56.110 gslb zone service geo-location

Geo location settings

geo-location Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*geo-name*
Collection Name	*geo-location-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location
Element Name	geo-location
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}
Element Attributes	geo-location_attributes
Partition Visibility	shared
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location

geo-location attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}

geo-location attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location

geo-location-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}

geo-location attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}

geo-location attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location

geo-location-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/geo-location/{geo-name}

geo-location attributes

geo-location-list

geo-location-list is **JSON List** of *geo-location attributes*

```
geo-location-list : [
        { geo-location attributes },
        { geo-location attributes },
        ...
    ]
```

geo-location attributes

action

Description Action for this geo-location

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: action and policy are mutually exclusive

action-type

Description 'allow': Allow query from this geo-location; 'drop': Drop query from this geo-location; 'forward': Forward packet for this geo-location; 'ignore': Send empty response to this geo-location; 'reject': Send refuse response to this geo-location;

Type: string

Supported Values: allow, drop, forward, ignore, reject

alias

Type: List

forward-type

Description 'both': Forward both query and response; 'query': Forward query from this geo-location; 'response': Forward response to this geo-location;

Type: string

Supported Values: both, query, response

geo-name

Description Specify the geo-location

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

policy

Description Policy for this geo-location (Specify the policy name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: policy and action are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alias

Specification	Value
Type	*list*
Block object keys	

alias

Description Send CNAME response for this geo-location (Specify a CNAME record)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

2.56.111 gslb zone service oper

Operational Status for the object service

service Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}
Element Name	service
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/oper
Element Attributes	service_attributes
Partition Visibility	None
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/oper

service attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/oper

service attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/oper

service attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/oper

service attributes

service-list

service-list is **JSON List** of *service attributes*

```
service-list : [
        { service attributes },
        { service attributes },
        ...
    ]
```

service attributes

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}*

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

oper

Specification	Value
Type	*object*

cache-list

Type: List

dns-a-record-list

Type: List

matched

Description

Type: number

session-list

Type: List

state

Description

Type: string

total-sessions

Description

Type: number

oper_cache-list

Specification	Value
Type	*list*
Block object keys	

additional-records

Description

Type: number

alias

Description

Type: string

answer-records

Description

Type: number

authority-records

Description

Type: number

cache-dns-flag

Description

Type: string

cache-length

Description

Type: number

cache-ttl

Description

Type: number

question-records

Description

Type: number

oper_session-list

Specification	Value
Type	*list*
Block object keys	

aging

Description

Type: number

best

Description

Type: string

client

Description

Type: string

hits

Description

Type: number

last-second-hits

Description

Type: number

mode

Description

Type: string

ttl

Description

Type: string

update

Description

Type: number

oper_dns-a-record-list

Specification	Value
Type	*list*
Block object keys	

ip

Description

Type: string

rec-ttl

Description

Type: number

dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *dns-mx-record-list_oper*

Type: Object

dns-mx-record-list_oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

priority

Description

Type: number

dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *dns-ns-record-list_oper*

Type: Object

dns-ns-record-list_oper

Specification	Value
Type	*object*

hits

Description

Type: number

last-server

Description

Type: string

2.56.112 gslb zone service stats

Statistics for the object service

service Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-list*
Collection URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}
Element Name	service
Element URI	/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/stats
Element Attributes	service_attributes
Partition Visibility	None
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Create List

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/stats

service attributes

Get List

GET

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/stats

service attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/stats

service attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}

service-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/stats

service attributes

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

…

]

service attributes

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}/dns-srv-record/{srv-name}+{port}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/dns-txt-record/{record-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-cname-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}*

dns-naptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}/dns-srv-record/{srv-name}+{port}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}*

dns-ptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}*

dns-srv-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}/dns-srv-record/{srv-name}+{port}*

dns-txt-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}/dns-srv-record/{srv-name}+{port}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/dns-txt-record/{record-name}*

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

backup-mode-response

Description help Number of DNS replies sent to clients by the ACOS device in backup mode

Type: number

Format: counter

cache-mode-response

Description Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache

Type: number

Format: counter

proxy-mode-response

Description Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service

Type: number

Format: counter

received-query

Description Number of DNS queries received for the service

Type: number

Format: counter

sent-response

Description Number of DNS replies sent to clients for the service

Type: number

Format: counter

server-mode-response

Description Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D

Type: number

Format: counter

smrule-redir-from-svc-hit

Description Number of DNS queries redirected to the service by service-matching rule and the query originally hits a service

Type: number

Format: counter

smrule-redir-from-svc-miss

Description Number of DNS queries redirected to the service by service-matching rule and the query originally doesn't hit a service

Type: number

Format: counter

sticky-mode-response

Description Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if

Type: number

Format: counter

dns-cname-record-list

Specification	Value
Type	*list*
Block object keys	

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-cname-record-list_stats*

Type: Object

dns-cname-record-list_stats

Specification	Value
Type	*object*

cname-hits

Description Number of times the CNAME has been used

Type: number

Format: counter

dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-ns-record-list_stats*

Type: Object

dns-ns-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-caa-record-list_stats*

Type: Object

dns-caa-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the CAA has been used

Type: number

Format: counter

dns-txt-record-list

Specification	Value
Type	*list*
Block object keys	

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-txt-record-list_stats*

Type: Object

dns-txt-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-mx-record-list_stats*

Type: Object

dns-mx-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

dns-srv-record-list

Specification	Value
Type	*list*
Block object keys	

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-srv-record-list_stats*

Type: Object

dns-srv-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

dns-ptr-record-list

Specification	Value
Type	*list*
Block object keys	

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-ptr-record-list_stats*

Type: Object

dns-ptr-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

dns-naptr-record-list

Specification	Value
Type	*list*
Block object keys	

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-naptr-record-list_stats*

Type: Object

dns-naptr-record-list_stats

Specification	Value
Type	*object*

naptr-hits

Description Number of times the NAPTR has been used

Type: number

Format: counter

2.56.113 gslb zone stats

Statistics for the object zone

zone Specification

Parameter	Value
Type	*Collection*
Collection Name	*zone-list*
Collection URI	/axapi/v3/gslb/zone/{name}
Element Name	zone
Element URI	/axapi/v3/gslb/zone/{name}/stats
Element Attributes	zone_attributes
Partition Visibility	None
Schema	`zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/gslb/zone/{name}

zone attributes

Create List

POST

/axapi/v3/gslb/zone/{name}

zone attributes

Get Object

GET

/axapi/v3/gslb/zone/{name}/stats

zone attributes

Get List

GET

/axapi/v3/gslb/zone/{name}

zone-list

Modify Object

POST

/axapi/v3/gslb/zone/{name}/stats

zone attributes

Replace Object

PUT

/axapi/v3/gslb/zone/{name}/stats

zone attributes

Replace List

PUT

/axapi/v3/gslb/zone/{name}

zone-list

Delete Object

DELETE

/axapi/v3/gslb/zone/{name}/stats

zone attributes

zone-list

zone-list is **JSON List** of *zone attributes*

```
zone-list : [
        { zone attributes },
        { zone attributes },
        ...
    ]
```

zone attributes

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}*

name

Description Specify the name for the DNS zone

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

service-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

backup-mode-response

Description Total Number of DNS replies sent to clients by the ACOS device in backup mode

Type: number

Format: counter

cache-mode-response

Description Total Number of cached DNS replies sent to clients by the ACOS device for the zone. (This statistic applies only if the DNS cac

Type: number

Format: counter

proxy-mode-response

Description Total Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the zone

Type: number

Format: counter

received-query

Description Total Number of DNS queries received for the zone

Type: number

Format: counter

sent-response

Description Total Number of DNS replies sent to clients for the zone

Type: number

Format: counter

server-mode-response

Description Total Number of DNS replies sent to clients by the ACOS device as a DNS server for the zone. (This statistic applies only if th

Type: number

Format: counter

smrule-redir-from-svc-hit

Description Total Number of DNS queries redirected to the service by service-matching rule and the query originally hits a service

Type: number

Format: counter

smrule-redir-from-svc-miss

Description Total Number of DNS queries redirected to the service by service-matching rule and the query originally doesn't hit a service

Type: number

Format: counter

sticky-mode-response

Description Total Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies on

Type: number

Format: counter

dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-ns-record-list_stats*

Type: Object

dns-ns-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-caa-record-list_stats*

Type: Object

dns-caa-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *dns-mx-record-list_stats*

Type: Object

dns-mx-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

service-list

Specification	Value
Type	*list*
Block object keys	

dns-caa-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}/dns-srv-record/{srv-name}+{port}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/dns-txt-record/{record-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}*

dns-cname-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}*

dns-mx-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}*

dns-naptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}/dns-srv-record/{srv-name}+{port}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}*

dns-ns-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}*

dns-ptr-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}*

dns-srv-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}/dns-srv-record/{srv-name}+{port}*

dns-txt-record-list

Type: List

Reference Object: */axapi/v3/gslb/zone/{name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-caa-record/{critical-flag}+{property-tag}+{rdata}/service/{service-port}+{service-name}/dns-cname-record/{alias-name}/dns-mx-record/{mx-name}/dns-ns-record/{ns-name}/dns-ptr-record/{ptr-name}/dns-srv-record/{srv-name}+{port}/dns-naptr-record/{naptr-target}+{service-proto}+{flag}/dns-txt-record/{record-name}*

service-name

Description Specify the service name for the zone, * for wildcard

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default:

service-port

Description Port number of the service

Type: number

Range: 0-65534

stats

Description: stats is a **JSON Block**. Please see below for *service-list_stats*

Type: Object

service-list_stats

Specification	Value
Type	*object*

backup-mode-response

Description help Number of DNS replies sent to clients by the ACOS device in backup mode

Type: number

Format: counter

cache-mode-response

Description Number of cached DNS replies sent to clients by the ACOS device for the service. (This statistic applies only if the DNS cache

Type: number

Format: counter

proxy-mode-response

Description Number of DNS replies sent to clients by the ACOS device as a DNS proxy for the service

Type: number

Format: counter

received-query

Description Number of DNS queries received for the service

Type: number

Format: counter

sent-response

Description Number of DNS replies sent to clients for the service

Type: number

Format: counter

server-mode-response

Description Number of DNS replies sent to clients by the ACOS device as a DNS server for the service. (This statistic applies only if the D

Type: number

Format: counter

smrule-redir-from-svc-hit

Description Number of DNS queries redirected to the service by service-matching rule and the query originally hits a service

Type: number

Format: counter

smrule-redir-from-svc-miss

Description Number of DNS queries redirected to the service by service-matching rule and the query originally doesn't hit a service

Type: number

Format: counter

sticky-mode-response

Description Number of DNS replies sent to clients by the ACOS device to keep the clients on the same site. (This statistic applies only if

Type: number

Format: counter

service-list_dns-cname-record-list

Specification	Value
Type	*list*
Block object keys	

alias-name

Description Specify the alias name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *service-list_dns-cname-record-list_stats*

Type: Object

service-list_dns-cname-record-list_stats

Specification	Value
Type	*object*

cname-hits

Description Number of times the CNAME has been used

Type: number

Format: counter

service-list_dns-ns-record-list

Specification	Value
Type	*list*
Block object keys	

ns-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *service-list_dns-ns-record-list_stats*

Type: Object

service-list_dns-ns-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

service-list_dns-caa-record-list

Specification	Value
Type	*list*
Block object keys	

critical-flag

Description Issuer Critical Flag

Type: number

Range: 0-255

property-tag

Description Specify other property tags, only allowed lowercase alphanumeric

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rdata

Description Specify the Issuer Domain Name or a URL

Type: string

Format: string-rlx

Maximum Length: 1000 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *service-list_dns-caa-record-list_stats*

Type: Object

service-list_dns-caa-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the CAA has been used

Type: number

Format: counter

service-list_dns-txt-record-list

Specification	Value
Type	*list*
Block object keys	

record-name

Description Specify the Object Name for TXT Data

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *service-list_dns-txt-record-list_stats*

Type: Object

service-list_dns-txt-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

service-list_dns-mx-record-list

Specification	Value
Type	*list*
Block object keys	

mx-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *service-list_dns-mx-record-list_stats*

Type: Object

service-list_dns-mx-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

service-list_dns-srv-record-list

Specification	Value
Type	*list*
Block object keys	

port

Description Specify Port (Port Number)

Type: number

Range: 0-65534

srv-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *service-list_dns-srv-record-list_stats*

Type: Object

service-list_dns-srv-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

service-list_dns-ptr-record-list

Specification	Value
Type	*list*
Block object keys	

ptr-name

Description Specify Domain Name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *service-list_dns-ptr-record-list_stats*

Type: Object

service-list_dns-ptr-record-list_stats

Specification	Value
Type	*object*

hits

Description Number of times the record has been used

Type: number

Format: counter

service-list_dns-naptr-record-list

Specification	Value
Type	*list*
Block object keys	

flag

Description Specify the flag (e.g., a, s). Default is empty flag

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default:

naptr-target

Description Specify the replacement or regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

service-proto

Description Specify Service and Protocol

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *service-list_dns-naptr-record-list_stats*

Type: Object

service-list_dns-naptr-record-list_stats

Specification	Value
Type	*object*

naptr-hits

Description Number of times the NAPTR has been used

Type: number

Format: counter

2.57 harmony-controller

Objects:

2.57.1 harmony-controller

Harmony controller information

harmony-controller Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	harmony-controller
Element URI	/axapi/v3/harmony-controller
Element Attributes	harmony-controller_attributes
Partition Visibility	shared
Schema	`harmony-controller schema`

Operations Allowed:

Get Object

GET

/axapi/v3/harmony-controller

harmony-controller_attributes

harmony-controller attributes

config-replace

Description: config-replace is a **JSON Block**. Please see below for *config-replace*

Type: Object

Reference Object: */axapi/v3/harmony-controller/config-replace*

partition-tenant-info

Description: partition-tenant-info is a **JSON Block**. Please see below for *partition-tenant-info*

Type: Object

Reference Object: */axapi/v3/harmony-controller/partition-tenant-info*

profile

Description: profile is a **JSON Block**. Please see below for *profile*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile*

telemetry

Description: telemetry is a **JSON Block**. Please see below for *telemetry*

Type: Object

Reference Object: */axapi/v3/harmony-controller/telemetry*

tunnel-stats

Description: tunnel-stats is a **JSON Block**. Please see below for *tunnel-stats*

Type: Object

Reference Object: */axapi/v3/harmony-controller/tunnel-stats*

profile

Specification	Value
Type	*object*

action

Description 'register': Register the device to the controller; 'deregister': Deregister the device from controller;

Type: string

Supported Values: register, deregister

analytics

Description 'all': Export all the analytics information.; 'system': Export only system level policy for device management.; 'disable': Disable all the exports from the device. This is the default value.;

Type: string

Supported Values: all, system, disable

Default: all

auto-restart-action

Description 'enable': enable auto analytics bus restart, default behavior is enable; 'disable': disable auto analytics bus restart;

Type: string

Supported Values: enable, disable

Default: enable

availability-zone

Description availablity zone of the thunder-device

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

cluster-id

Description id for the cluster in harmony controller, typically an uuid

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

cluster-name

Description name of cluster in harmony controller that this device is a member of

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

force

Description: force is a **JSON Block**. Please see below for *profile_force*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile/force*

host

Description Set harmony controller host address

Type: string

Format: host

Mutual Exclusion: host and host-ipv6 are mutually exclusive

host-ipv6

Description IPV6 address or FQDN for the host

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: host-ipv6 and host are mutually exclusive

interval

Description auto analytics bus restart time interval in mins, default is 3 mins

Type: number

Range: 1-15

Default: 3

password-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port

Description Set port for remote Harmony Controller

Type: number

Range: 1-32767

provider

Description provider for the harmony-controller

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

re-sync

Description: re-sync is a **JSON Block**. Please see below for *profile_re-sync*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile/re-sync*

region

Description region of the thunder-device

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

secret-value

Description Specify the password for the user

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

thunder-mgmt-ip

Description: thunder-mgmt-ip is a **JSON Block**. Please see below for *profile_thunder-mgmt-ip*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile/thunder-mgmt-ip*

tunnel

Description: tunnel is a **JSON Block**. Please see below for *profile_tunnel*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile/tunnel*

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-name

Description user-name for the tenant

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

profile_re-sync

Specification	Value
Type	*object*

analytics-bus

Description re-sync analtyics bus connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schema-registry

Description re-sync the schema registry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

profile_tunnel

Specification	Value
Type	*object*

action

Description 'enable': Tunnel Enable; 'disable': Tunnel Disable;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

profile_thunder-mgmt-ip

Specification	Value
Type	*object*

ip-address

Description IP address (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-addr are mutually exclusive

ipv6-addr

Description IPV6 address for the host

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr and ip-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

profile_force

Specification	Value
Type	*object*

deregister

Description forcefully deregister thunder from harmony controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-stats

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

config-replace

Specification	Value
Type	*object*

status

Description 'enable': enable config replace mode; 'disable': disable config replace mode;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry

Specification	Value
Type	*object*

log-rate

Description Max number of session logs sent by the partition per second

Type: number

Range: 0-10000

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-tenant-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.2 harmony-controller config-replace

Enable config-replace-mode

config-replace Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	config-replace
Element URI	/axapi/v3/harmony-controller/config-replace
Element Attributes	config-replace_attributes
Partition Visibility	shared
Schema	`config-replace schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/config-replace

config-replace attributes

```
POST /axapi/v3/harmony-controller/config-replace
Payload:
{
    "config-replace": {
        "status": "enable"
    }
}
```

Get Object

GET

/axapi/v3/harmony-controller/config-replace

config-replace attributes

```
GET /axapi/v3/harmony-controller/config-replace
Reponse:
{
    "config-replace": {
        "status": "enable",
        "uuid": "c39a003e-b6bb-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/harmony-controller/config-replace"
    }
}
```

Modify Object

POST

/axapi/v3/harmony-controller/config-replace

config-replace attributes

Replace Object

PUT

/axapi/v3/harmony-controller/config-replace

config-replace attributes

```
PUT /axapi/v3/harmony-controller/config-replace
Payload:
{
    "config-replace": {
        "status": "disable"
    }
}
```

config-replace attributes

status

Description 'enable': enable config replace mode; 'disable': disable config replace mode;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.3 harmony-controller partition-tenant-info

Harmony controller profile

partition-tenant-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	partition-tenant-info
Element URI	/axapi/v3/harmony-controller/partition-tenant-info
Element Attributes	partition-tenant-info_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/harmony-controller/partition-tenant-info/oper
Schema	`partition-tenant-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

Get Object

GET

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

Modify Object

POST

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

Replace Object

PUT

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/partition-tenant-info

partition-tenant-info attributes

partition-tenant-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.4 harmony-controller partition-tenant-info oper

Operational Status for the object partition-tenant-info

partition-tenant-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	partition-tenant-info
Element URI	/axapi/v3/harmony-controller/partition-tenant-info/oper
Element Attributes	partition-tenant-info_attributes
Partition Visibility	None
Schema	`partition-tenant-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/partition-tenant-info/oper

partition-tenant-info attributes

Get Object

GET

/axapi/v3/harmony-controller/partition-tenant-info/oper

partition-tenant-info attributes

Modify Object

POST

/axapi/v3/harmony-controller/partition-tenant-info/oper

partition-tenant-info attributes

Replace Object

PUT

/axapi/v3/harmony-controller/partition-tenant-info/oper

partition-tenant-info attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/partition-tenant-info/oper

partition-tenant-info attributes

partition-tenant-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cluster-id

Description

Type: string

cluster-name

Description

Type: string

log-rate-per-sec

Description

Type: number

partition-name

Description

Type: string

tenant-id

Description

Type: string

tenant-name

Description

Type: string

2.57.5 harmony-controller profile

Harmony controller profile

profile Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	profile
Element URI	/axapi/v3/harmony-controller/profile
Element Attributes	profile_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/harmony-controller/profile/oper
Schema	`profile schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/profile

profile attributes

```
POST /axapi/v3/harmony-controller/profile
Payload:
{
    "profile": {
        "re-sync": {
            "schema-registry": 1
        },
        "host": "a",
        "port": 1
    }
}
```

Get Object

GET

/axapi/v3/harmony-controller/profile

profile attributes

```
GET /axapi/v3/harmony-controller/profile
Reponse:
{
    "profile": {
        "host": "a",
        "port": 1,
        "use-mgmt-port": 0,
        "auto-restart-action": "enable",
        "interval": 3,
        "analytics": "all",
        "uuid": "11e44032-b6c7-11ef-8f5a-ae71681635d0",
        "thunder-mgmt-ip": {
            "ip-address": "3.3.3.3",
            "uuid": "11f6de18-b6c7-11ef-8f5a-ae71681635d0",
            "a10-url": "/axapi/v3/harmony-controller/profile/thunder-mgmt-ip"
        },
        "a10-url": "/axapi/v3/harmony-controller/profile"
    }
}
```

Modify Object

POST

/axapi/v3/harmony-controller/profile

profile attributes

Replace Object

PUT

/axapi/v3/harmony-controller/profile

profile attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/profile

profile attributes

profile attributes

action

Description 'register': Register the device to the controller; 'deregister': Deregister the device from controller;

Type: string

Supported Values: register, deregister

analytics

Description 'all': Export all the analytics information.; 'system': Export only system level policy for device management.; 'disable': Disable all the exports from the device. This is the default value.;

Type: string

Supported Values: all, system, disable

Default: all

auto-restart-action

Description 'enable': enable auto analytics bus restart, default behavior is enable; 'disable': disable auto analytics bus restart;

Type: string

Supported Values: enable, disable

Default: enable

availability-zone

Description availablity zone of the thunder-device

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

cluster-id

Description id for the cluster in harmony controller, typically an uuid

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

cluster-name

Description name of cluster in harmony controller that this device is a member of

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

force

Description: force is a **JSON Block**. Please see below for *force*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile/force*

host

Description Set harmony controller host address

Type: string

Format: host

Mutual Exclusion: host and host-ipv6 are mutually exclusive

host-ipv6

Description IPV6 address or FQDN for the host

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: host-ipv6 and host are mutually exclusive

interval

Description auto analytics bus restart time interval in mins, default is 3 mins

Type: number

Range: 1-15

Default: 3

password-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port

Description Set port for remote Harmony Controller

Type: number

Range: 1-32767

provider

Description provider for the harmony-controller

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

re-sync

Description: re-sync is a **JSON Block**. Please see below for *re-sync*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile/re-sync*

region

Description region of the thunder-device

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

secret-value

Description Specify the password for the user

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

thunder-mgmt-ip

Description: thunder-mgmt-ip is a **JSON Block**. Please see below for *thunder-mgmt-ip*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile/thunder-mgmt-ip*

tunnel

Description: tunnel is a **JSON Block**. Please see below for *tunnel*

Type: Object

Reference Object: */axapi/v3/harmony-controller/profile/tunnel*

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-name

Description user-name for the tenant

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

re-sync

Specification	Value
Type	*object*

analytics-bus

Description re-sync analtyics bus connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schema-registry

Description re-sync the schema registry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel

Specification	Value
Type	*object*

action

Description ‘enable’: Tunnel Enable; ‘disable’: Tunnel Disable;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

thunder-mgmt-ip

Specification	Value
Type	*object*

ip-address

Description IP address (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-addr are mutually exclusive

ipv6-addr

Description IPV6 address for the host

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr and ip-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

force

Specification	Value
Type	*object*

deregister

Description forcefully deregister thunder from harmony controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.57.6 harmony-controller profile oper

Operational Status for the object profile

profile Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	profile
Element URI	/axapi/v3/harmony-controller/profile/oper
Element Attributes	profile_attributes
Partition Visibility	None
Schema	`profile schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/profile/oper

profile attributes

Get Object

GET

/axapi/v3/harmony-controller/profile/oper

profile attributes

Modify Object

POST

/axapi/v3/harmony-controller/profile/oper

profile attributes

Replace Object

PUT

/axapi/v3/harmony-controller/profile/oper

profile attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/profile/oper

profile attributes

profile attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Number-of-tenant-mapped-partitions

Description

Type: number

Number-of-tenant-unmapped-partitions

Description

Type: number

broker_info

Description

Type: string

deregistration-error-message

Description

Type: string

deregistration-status

Description

Type: string

deregistration-status-code

Description

Type: number

heartbeat-error-message

Description

Type: string

heartbeat-status

Description

Type: string

kafka-broker-state

Description

Type: string

Supported Values: Up, Down

overall-status

Description

Type: string

peer-device-info

Description

Type: string

registration-error-message

Description

Type: string

registration-status

Description

Type: string

registration-status-code

Description

Type: number

schema-registry-status

Description

Type: string

service-registry

Description

Type: string

service-registry-error-message

Description

Type: string

tunnel-error-message

Description

Type: string

tunnel-status

Description

Type: string

2.57.7 harmony-controller profile thunder-mgmt-ip

thunder management ip address

thunder-mgmt-ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	thunder-mgmt-ip
Element URI	/axapi/v3/harmony-controller/profile/thunder-mgmt-ip
Element Attributes	thunder-mgmt-ip_attributes
Partition Visibility	shared
Schema	`thunder-mgmt-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

```
POST /axapi/v3/harmony-controller/profile/thunder-mgmt-ip
Payload:
{
    "thunder-mgmt-ip": {
        "ip-address": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

```
GET /axapi/v3/harmony-controller/profile/thunder-mgmt-ip
Reponse:
{
    "thunder-mgmt-ip": {
        "ip-address": "3.3.3.3",
        "uuid": "95b6b6a0-b6c8-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/harmony-controller/profile/thunder-mgmt-ip"
    }
}
```

Modify Object

POST

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

Replace Object

PUT

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

```
PUT /axapi/v3/harmony-controller/profile/thunder-mgmt-ip
Payload:
{
    "thunder-mgmt-ip": {
        "ip-address": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/harmony-controller/profile/thunder-mgmt-ip

thunder-mgmt-ip attributes

```
DELETE /axapi/v3/harmony-controller/profile/thunder-mgmt-ip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

thunder-mgmt-ip attributes

ip-address

Description IP address (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address and ipv6-addr are mutually exclusive

ipv6-addr

Description IPV6 address for the host

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr and ip-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.8 harmony-controller profile tunnel

tunnel status

tunnel Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tunnel
Element URI	/axapi/v3/harmony-controller/profile/tunnel
Element Attributes	tunnel_attributes
Partition Visibility	shared
Schema	`tunnel schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

```
POST /axapi/v3/harmony-controller/profile/tunnel
Payload:
{
    "tunnel": {
        "action": "enable"
    }
}
```

Get Object

GET

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

```
GET /axapi/v3/harmony-controller/profile/tunnel
Reponse:
{
    "tunnel": {
        "action": "enable",
        "uuid": "b88c8254-b6c8-11ef-8f5a-ae71681635d0",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/harmony-controller/profile/tunnel"
    }
}
```

Modify Object

POST

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

Replace Object

PUT

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/profile/tunnel

tunnel attributes

```
DELETE /axapi/v3/harmony-controller/profile/tunnel
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tunnel attributes

action

Description 'enable': Tunnel Enable; 'disable': Tunnel Disable;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.9 harmony-controller telemetry

Harmony controller telemetry config

telemetry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	telemetry
Element URI	/axapi/v3/harmony-controller/telemetry
Element Attributes	telemetry_attributes
Partition Visibility	shared
Schema	`telemetry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/telemetry

telemetry attributes

```
POST /axapi/v3/harmony-controller/telemetry
Payload:
{
    "telemetry": {
        "log-rate": 0
    }
}
```

Get Object

GET

/axapi/v3/harmony-controller/telemetry

telemetry attributes

```
GET /axapi/v3/harmony-controller/telemetry
Reponse:
{
    "telemetry": {
        "log-rate": 0,
        "uuid": "dc3acdaa-b6c8-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/harmony-controller/telemetry"
    }
}
```

Modify Object

POST

/axapi/v3/harmony-controller/telemetry

telemetry attributes

Replace Object

PUT

/axapi/v3/harmony-controller/telemetry

telemetry attributes

```
PUT /axapi/v3/harmony-controller/telemetry
Payload:
{
    "telemetry": {
        "log-rate": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/harmony-controller/telemetry

telemetry attributes

```
DELETE /axapi/v3/harmony-controller/telemetry
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

telemetry attributes

log-rate

Description Max number of session logs sent by the partition per second

Type: number

Range: 0-10000

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.10 harmony-controller tunnel-stats

Harmony controller tunnel statistics

tunnel-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tunnel-stats
Element URI	/axapi/v3/harmony-controller/tunnel-stats
Element Attributes	tunnel-stats_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/harmony-controller/tunnel-stats/oper
Schema	`tunnel-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/tunnel-stats

tunnel-stats attributes

Get Object

GET

/axapi/v3/harmony-controller/tunnel-stats

tunnel-stats attributes

Modify Object

POST

/axapi/v3/harmony-controller/tunnel-stats

tunnel-stats attributes

Replace Object

PUT

/axapi/v3/harmony-controller/tunnel-stats

tunnel-stats attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/tunnel-stats

tunnel-stats attributes

tunnel-stats attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.57.11 harmony-controller tunnel-stats oper

Operational Status for the object tunnel-stats

tunnel-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tunnel-stats
Element URI	/axapi/v3/harmony-controller/tunnel-stats/oper
Element Attributes	tunnel-stats_attributes
Partition Visibility	None
Schema	`tunnel-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/harmony-controller/tunnel-stats/oper

tunnel-stats attributes

Get Object

GET

/axapi/v3/harmony-controller/tunnel-stats/oper

tunnel-stats attributes

Modify Object

POST

/axapi/v3/harmony-controller/tunnel-stats/oper

tunnel-stats attributes

Replace Object

PUT

/axapi/v3/harmony-controller/tunnel-stats/oper

tunnel-stats attributes

Delete Object

DELETE

/axapi/v3/harmony-controller/tunnel-stats/oper

tunnel-stats attributes

tunnel-stats attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

bytes-recieved

Description

Type: number

bytes-sent

Description

Type: number

error-message

Description

Type: string

number-of-errors

Description

Type: number

status

Description

Type: string

uptime

Description

Type: string

2.58 hd-monitor

Objects:

2.58.1 hd-monitor

Enable HD monitoring

hd-monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hd-monitor
Element URI	/axapi/v3/hd-monitor
Element Attributes	hd-monitor_attributes
Partition Visibility	shared
Schema	`hd-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/hd-monitor

hd-monitor attributes

```
POST /axapi/v3/hd-monitor
Payload:
{
    "hd-monitor": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/hd-monitor

hd-monitor attributes

```
GET /axapi/v3/hd-monitor
Reponse:
{
    "hd-monitor": {
        "enable": 1,
        "uuid": "ffa89d4e-b6c8-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/hd-monitor"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/hd-monitor

hd-monitor attributes

Replace Object

PUT

/axapi/v3/hd-monitor

hd-monitor attributes

```
PUT /axapi/v3/hd-monitor
Payload:
{
    "hd-monitor": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/hd-monitor

hd-monitor attributes

```
DELETE /axapi/v3/hd-monitor
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Harddisk monitoring turned off.\n"
    }
}
```

hd-monitor attributes

enable

Description Enable Hard disk monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59 health

Objects:

2.59.1 health

Configure health monitoring

health Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	health
Element URI	/axapi/v3/health
Element Attributes	health_attributes
Partition Visibility	shared
Schema	`health schema`

Operations Allowed:

Get Object

GET

/axapi/v3/health

health_attributes

health attributes

external

Description: external is a **JSON Block**. Please see below for *external*

Type: Object

Reference Object: */axapi/v3/health/external*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Reference Object: */axapi/v3/health/global*

monitor-list

Type: List

Reference Object: */axapi/v3/health/monitor/{name}*

source-nat

Description: source-nat is a **JSON Block**. Please see below for *source-nat*

Type: Object

Reference Object: */axapi/v3/health/source-nat*

source-nat

Specification	Value
Type	*object*

enable-vrrp-a-mode

Description Forward health check by active device only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface number

Type: number

Format: interface

interface

Description 'ethernet': ethernet; 'trunk': trunk; 've': ve;

Type: string

Supported Values: ethernet, trunk, ve

sampling-enable

Type: List

smart-nat-precedence

Description Use smart nat when resourece is presented in virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smart-nat-vrid

Description Smart nat VRID

Type: number

Range: 1-31

source-nat-pool

Description Use source nat for all health check (nat pool)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

source-nat-pool-v6

Description Use ipv6 source nat for all health check (nat pool)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

trunk

Description Trunk interface number

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Range: 2-4094

source-nat_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'act_recv_from_sby': Packets received from standby; 'act_send_to_sby': Packets sent to standby; 'sby_recv_from_act': Packets received from active; 'sby_send_to_act': Packets sent to active; 'sby_recv_from_act_err': Packets received from active error; 'recv_from_kernel': Packets received from kernel; 'send_to_kernel': Packets sent to kernel; 'send_to_kernel_err': Packets sent to kernel error; 'sby_no_peer': Peer

not found on standby; 'dcmsg_err': DCMSG error; 'no_slb_object': SLB object not found; 'smart_nat_init_port_err': Smart NAT port initialization error; 'smart_nat_init_inst_err': Smart NAT instance initialization error; 'smart_nat_rserver_route_err': Smart NAT rserver route update error; 'smart_nat_rserver_ip_err': Smart NAT rserver ip update error; 'nat_resource_err': NAT resource error; 'frag_err': Fragmentation error;

Type: string

Supported Values: all, act_recv_from_sby, act_send_to_sby, sby_recv_from_act, sby_send_to_act, sby_recv_from_act_err, recv_from_kernel, send_to_kernel, send_to_kernel_err, sby_no_peer, dcmsg_err, no_slb_object, smart_nat_init_port_err, smart_nat_init_inst_err, smart_nat_rserver_route_err, smart_nat_rserver_ip_err, nat_resource_err, frag_err

global

Specification	Value
Type	*object*

check-rate

Description Health Check Rate per 500ms (default 1000)

Type: number

Range: 1-50000

Default: 1000

disable-auto-adjust

Description Disable the Health Check Rate Auto Adjustment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-rate

Description Define the External Health Check Rate (Number of External Script Programs (default 2))

Type: number

Range: 1-999

Default: 2

interval

Description Specify the Healthcheck Interval (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

Default: 5

multi-process

Description Start Health Monitoring in Multi-Process Mode (Specify the number of multiple processes (default 1))

Type: number

Range: 1-20

Default: 1

per

Description Specify the Unit Time for the rate (Specify the Unit Time, multiple of 100ms)

Type: number

Range: 1-20

Default: 2

retry

Description Specify the Healthcheck Retries (Retry Count (default 3))

Type: number

Range: 1-10

Default: 3

timeout

Description Specify the Healthcheck Timeout (Timeout Value, in seconds (default 5), Timeout should be less than or equal to interval)

Type: number

Range: 1-180

Default: 5

up-retry

Description Specify the Healthcheck Retries before declaring target up (Up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

external

Specification	Value
Type	*object*

copy

Description: copy is a **JSON Block**. Please see below for *external_copy*

Type: Object

Reference Object: */axapi/v3/health/external/copy*

create

Description: create is a **JSON Block**. Please see below for *external_create*

Type: Object

Reference Object: */axapi/v3/health/external/create*

delete

Description: delete is a **JSON Block**. Please see below for *external_delete*

Type: Object

Reference Object: */axapi/v3/health/external/delete*

edit

Description: edit is a **JSON Block**. Please see below for *external_edit*

Type: Object

Reference Object: */axapi/v3/health/external/edit*

rename

Description: rename is a **JSON Block**. Please see below for *external_rename*

Type: Object

Reference Object: */axapi/v3/health/external/rename*

external_edit

Specification	Value
Type	*object*

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external_rename

Specification	Value
Type	*object*

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external_create

Specification	Value
Type	*object*

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external_copy

Specification	Value
Type	*object*

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external_delete

Specification	Value
Type	*object*

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

monitor-list

Specification	Value
Type	*list*
Block object keys	

default-state-up

Description Initial health state will default to UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-after-down

Description Disable the target if health check failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dplane

Description 'enable': Enable health-check on dplane; 'disable': Disable health-check on dplane; 'auto(default)': Auto select;

Type: string

Supported Values: enable, disable, auto

Default: auto

dsr-l2-strict

Description Enable strict L2dsr health-check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-insert

Description: header-insert is a **JSON Block**. Please see below for *monitor-list_header-insert*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/header-insert*

interval

Description Specify the Healthcheck Interval (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

method

Description: method is a **JSON Block**. Please see below for *monitor-list_method*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method*

name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: ping

override-ipv4

Description Override implicitly inherited IPv4 address from target

Type: string

Format: ipv4-address

override-ipv6

Description Override implicitly inherited IPv6 address from target

Type: string

Format: ipv6-address

override-port

Description Override implicitly inherited port from target (Port number (1-65534))

Type: number

Range: 1-65534

passive

Description Specify passive mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passive-interval

Description Interval to do manual health checking while in passive mode (Specify value in seconds (Default is 10 s))

Type: number

Range: 1-180

Default: 10

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *monitor-list_proxy-header*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/proxy-header*

retry

Description Specify the Healthcheck Retries (Retry Count (default 3))

Type: number

Range: 1-10

sample-threshold

Description Number of samples in one epoch above which passive HC is enabled. If below or equal to the threshold, passive HC is disabled (Specify number of samples in one second (Default is 50). If the number of samples is 0, no action is taken)

Type: number

Range: 1-10000

Default: 50

ssl-ciphers

Description Specify OpenSSL Cipher Suite name(s) for Health check (OpenSSL Cipher Suite(s) (Eg: AES128-SHA256), if the cipher is invalid, would give information at HM down reason)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: DEFAULT

ssl-dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 31-34

Default: 31

ssl-ticket

Description Enable SSL-Ticket Session Resumption

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-ticket-lifetime

Description SSL-Ticket lifetime (seconds)

Type: number

Range: 1-604800

ssl-version

Description TLS/SSL version (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 31-34

Default: 34

status-code

Description 'status-code-2xx': Enable passive mode with 2xx http status code; 'status-code-non-5xx': Enable passive mode with non-5xx http status code;

Type: string

Supported Values: status-code-2xx, status-code-non-5xx

strict-retry-on-server-err-resp

Description Require strictly retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-server-ssl

Description Server side SSL template for health monitor (Server side SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

threshold

Description Threshold percentage above which passive mode is enabled (Specify percentage (Default is 75%))

Type: number

Range: 0-100

Default: 75

timeout

Description Specify the Healthcheck Timeout (Timeout Value, in seconds(default 5), Timeout should be less than or equal to interval)

Type: number

Range: 1-180

up-retry

Description Specify the Healthcheck Retries before declaring target up (Up-retry count (default 1))

Type: number

Range: 1-63

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_header-insert

Specification	Value
Type	*object*

insert-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_header-insert_insert-list

Specification	Value
Type	*list*
Block object keys	

insert-content

Description Header Content (Format: "[name]:[value]")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

monitor-list_method

Specification	Value
Type	*object*

compound

Description: compound is a **JSON Block**. Please see below for *monitor-list_method_compound*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/compound*

database

Description: database is a **JSON Block**. Please see below for *monitor-list_method_database*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/database*

dns

Description: dns is a **JSON Block**. Please see below for *monitor-list_method_dns*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/dns*

external

Description: external is a **JSON Block**. Please see below for *monitor-list_method_external*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/external*

ftp

Description: ftp is a **JSON Block**. Please see below for *monitor-list_method_ftp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ftp*

http

Description: http is a **JSON Block**. Please see below for *monitor-list_method_http*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/http*

https

Description: https is a **JSON Block**. Please see below for *monitor-list_method_https*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/https*

icmp

Description: icmp is a **JSON Block**. Please see below for *monitor-list_method_icmp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/icmp*

imap

Description: imap is a **JSON Block**. Please see below for *monitor-list_method_imap*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/imap*

kerberos-kdc

Description: kerberos-kdc is a **JSON Block**. Please see below for *monitor-list_method_kerberos-kdc*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/kerberos-kdc*

ldap

Description: ldap is a **JSON Block**. Please see below for *monitor-list_method_ldap*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ldap*

ntp

Description: ntp is a **JSON Block**. Please see below for *monitor-list_method_ntp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ntp*

pop3

Description: pop3 is a **JSON Block**. Please see below for *monitor-list_method_pop3*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/pop3*

quic

Description: quic is a **JSON Block**. Please see below for *monitor-list_method_quic*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/quic*

radius

Description: radius is a **JSON Block**. Please see below for *monitor-list_method_radius*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/radius*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *monitor-list_method_rtsp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *monitor-list_method_sip*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/sip*

smtp

Description: smtp is a **JSON Block**. Please see below for *monitor-list_method_smtp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/smtp*

snmp

Description: snmp is a **JSON Block**. Please see below for *monitor-list_method_snmp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/snmp*

tacplus

Description: tacplus is a **JSON Block**. Please see below for *monitor-list_method_tacplus*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/tacplus*

tcp

Description: tcp is a **JSON Block**. Please see below for *monitor-list_method_tcp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *monitor-list_method_udp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/udp*

monitor-list_method_rtsp

Specification	Value
Type	*object*

rtsp

Description RTSP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtsp-port

Description Specify RTSP port, default is 554 (Port Number (default 554))

Type: number

Range: 1-65534

Default: 554

rtspurl

Description Specify URL string (Specify the path on the server)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_smtp

Specification	Value
Type	*object*

mail-from

Description Specify SMTP Sender

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rcpt-to

Description Specify SMTP Receiver

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

smtp

Description SMTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smtp-domain

Description Specify domain name of 'helo' command

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

smtp-port

Description Specify SMTP port, default is 25 (Port Number (default 25))

Type: number

Range: 1-65534

Default: 25

smtp-starttls

Description Check the STARTTLS support at helo response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_tcp

Specification	Value
Type	*object*

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method-tcp

Description TCP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-halfopen

Description Set TCP SYN check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-halfopen and port-send are mutually exclusive

port-resp

Description: port-resp is a **JSON Block**. Please see below for *monitor-list_method_tcp_port-resp*

Type: Object

port-send

Description Send a string to server (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

Mutual Exclusion: port-send and port-halfopen are mutually exclusive

tcp-port

Description Specify TCP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_tcp_port-resp

Specification	Value
Type	*object*

port-contains

Description Mark server up if response string contains string (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

monitor-list_method_radius

Specification	Value
Type	*object*

radius

Description RADIUS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-message-authenticator

Description message-authenticator type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-port

Description Specify the RADIUS port, default is 1812 (Port number (default 1812))

Type: number

Range: 1-65534

Default: 1812

radius-response-code

Description Specify response code range (e.g. 2,4-7) (Format is xx,xx-xx (xx between [1, 13]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret

Description Configure shared secret of RADIUS server

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_https

Specification	Value
Type	*object*

cert

Description Specify client certificate (Certificate name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cert-key-shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv2hello

Description Disable SSLv2Hello for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-version

Description 'http-version2': HTTP version 2 for HTTPs; 'http-version3': HTTP version 3 for HTTPs;

Type: string

Supported Values: http-version2, http-version3

https

Description HTTPS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-kerberos-auth

Description Https Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-kerberos-kdc

Description: https-kerberos-kdc is a **JSON Block**. Please see below for *monitor-list_method_https_https-kerberos-kdc*

Type: Object

https-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

https-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

https-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-response-code and https-text are mutually exclusive

https-server-cert-name

Description Expect Server Cert commonName

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: https-text, https-response-code, and text-regex are mutually exclusive

https-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

key

Description Specify client private key (Key name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

key-pass-phrase

Description Client private key password phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-phrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sni

Description Server Name Indication for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and https-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-port

Description Specify HTTPS port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

monitor-list_method_https_https-kerberos-kdc

Specification	Value
Type	*object*

https-kerberos-hostip

Description Kdc's hostname(length:1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-kerberos-hostip and https-kerberos-hostipv6 are mutually exclusive

https-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: https-kerberos-hostipv6 and https-kerberos-hostip are mutually exclusive

https-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

https-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

monitor-list_method_ftp

Specification	Value
Type	*object*

ftp

Description FTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ftp-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ftp-port

Description Specify FTP port (Specify port number, default is 21)

Type: number

Range: 1-65534

Default: 21

ftp-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_sip

Specification	Value
Type	*object*

expect-response-code

Description Specify accepted response codes (e.g. 200, 400-430, any) (Format is xxx,xxx-xxx,any (xxx between [100,899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

register

Description Send SIP REGISTER message, default is to send OPTION message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Description SIP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip-hostname

Description Specify the SIP hostname that used in request

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

sip-port

Description Specify the SIP port, default is 5060 (Port Number)

Type: number

Range: 1-65534

Default: 5060

sip-tcp

Description Use TCP for transmission, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_snmp

Specification	Value
Type	*object*

community

Description Specify SNMP community, default is "public" (Community String)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: public

oid

Description: oid is a **JSON Block**. Please see below for *monitor-list_method_snmp_oid*

Type: Object

operation

Description: operation is a **JSON Block**. Please see below for *monitor-list_method_snmp_operation*

Type: Object

snmp

Description SNMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp-port

Description Specify SNMP port, default is 161 (Port Number)

Type: number

Range: 1-65534

Default: 161

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_snmp_oid

Specification	Value
Type	*object*

asn

Description Specify the format in ASN.1 style

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: asn and mib are mutually exclusive

mib

Description 'sysDescr': The MIB-2 OID of system description, 1.1.0; 'sysUpTime': The MIB-2 OID of system up time, 1.3.0; 'sysName': The MIB-2 OID of system nume, 1.5.0;

Type: string

Supported Values: sysDescr, sysUpTime, sysName

Mutual Exclusion: mib and asn are mutually exclusive

monitor-list_method_snmp_operation

Specification	Value
Type	*object*

oper-type

Description 'getnext': Get-Next-Request command; 'get': Get-Request command;

Type: string

Supported Values: getnext, get

monitor-list_method_dns

Specification	Value
Type	*object*

dns

Description DNS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain

Description Specify fully qualified domain name of the host

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain and dns-ip-key are mutually exclusive

dns-domain-expect

Description: dns-domain-expect is a **JSON Block**. Please see below for *monitor-list_method_dns_dns-domain-expect*

Type: Object

dns-domain-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-domain-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-domain-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain-type

Description 'A': Used for storing Ipv4 address (default); 'CNAME': Canonical name for a DNS alias; 'SOA': Start of authority; 'PTR': Domain name pointer; 'MX': Mail exchanger; 'TXT': Text string; 'AAAA': Used for storing Ipv6 128-bits address;

Type: string

Supported Values: A, CNAME, SOA, PTR, MX, TXT, AAAA

Default: A

dns-ip-key

Description Reverse DNS lookup (Specify IPv4 or IPv6 address)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dns-ip-key and dns-domain are mutually exclusive

dns-ipv4-addr

Description Specify IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-ipv4-addr and dns-ipv6-addr are mutually exclusive

dns-ipv4-expect

Description: dns-ipv4-expect is a **JSON Block**. Please see below for *monitor-list_method_dns_dns-ipv4-expect*

Type: Object

dns-ipv4-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv4-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv4-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-ipv6-addr

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-ipv6-addr and dns-ipv4-addr are mutually exclusive

dns-ipv6-expect

Description: dns-ipv6-expect is a **JSON Block**. Please see below for *monitor-list_method_dns_dns-ipv6-expect*

Type: Object

dns-ipv6-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv6-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv6-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_dns_dns-domain-expect

Specification	Value
Type	*object*

dns-domain-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-fqdn,dns-domain-response, dns-domain-ipv4, and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv4

Description Specify expected resolved IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-domain-ipv4,dns-domain-response, dns-domain-fqdn, and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv6

Description Specify expected resolved IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-domain-ipv6,dns-domain-response, dns-domain-fqdn, and dns-domain-ipv4 are mutually exclusive

dns-domain-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-response,dns-domain-fqdn, dns-domain-ipv4, and dns-domain-ipv6 are mutually exclusive

monitor-list_method_dns_dns-ipv6-expect

Specification	Value
Type	*object*

dns-ipv6-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-fqdn and dns-ipv6-response are mutually exclusive

dns-ipv6-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-response and dns-ipv6-fqdn are mutually exclusive

monitor-list_method_dns_dns-ipv4-expect

Specification	Value
Type	*object*

dns-ipv4-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-fqdn and dns-ipv4-response are mutually exclusive

dns-ipv4-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-response and dns-ipv4-fqdn are mutually exclusive

monitor-list_method_ldap

Specification	Value
Type	*object*

AcceptNotFound

Description Mark server up on receiving a not-found response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

AcceptResRef

Description Mark server up on receiving a search result reference response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BaseDN

Description Specify LDAP DN distinguished name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap

Description LDAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-binddn

Description Specify the distinguished name for bindRequest (LDAP DN distinguished name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ldap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap-port

Description Specify the LDAP port (Speciry port number, default is 389, or 636 if LDAP over SSL)

Type: number

Range: 1-65534

Default: 389

ldap-query

Description LDAP query to be excuted

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ldap-run-search

Description Specify a query to be executed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-security

Description 'overssl': Set LDAP over SSL; 'StartTLS': LDAP switch to TLS;

Type: string

Supported Values: overssl, StartTLS

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_kerberos-kdc

Specification	Value
Type	*object*

kerberos-cfg

Description: kerberos-cfg is a **JSON Block**. Please see below for *monitor-list_method_kerberos-kdc_kerberos-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_kerberos-kdc_kerberos-cfg

Specification	Value
Type	*object*

kadmin

Description Kerberos admin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kadmin, kinit, and kpasswd are mutually exclusive

kadmin-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kadmin-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kadmin-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kadmin-realm

Description Specify the realm

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-server

Description Specify the admin server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit

Description Kerberos KDC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kinit, kadmin, and kpasswd are mutually exclusive

kinit-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kinit-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kinit-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd

Description Kerberos change passwd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kpasswd, kinit, and kadmin are mutually exclusive

kpasswd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kpasswd-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kpasswd-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kpasswd-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd-server

Description Specify the Kerberos password server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-only

Description Specify the kerberos tcp only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-list_method_udp

Specification	Value
Type	*object*

force-up-with-single-healthcheck

Description Force Up with no response at the first time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description UDP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port

Description Specify UDP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_http

Specification	Value
Type	*object*

http

Description HTTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

http-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-kerberos-auth

Description Http Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Description: http-kerberos-kdc is a **JSON Block**. Please see below for *monitor-list_method_http_http-kerberos-kdc*

Type: Object

http-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-password-string

Description Specify password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

http-port

Description Specify HTTP Port (Specify port number (default 80))

Type: number

Range: 1-65534

Default: 80

http-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-response-code and http-text are mutually exclusive

http-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: http-text, http-response-code, and text-regex are mutually exclusive

http-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and http-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version2

Description Specify HTTP version2 (Specify http version 2)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-list_method_http_http-kerberos-kdc

Specification	Value
Type	*object*

http-kerberos-hostip

Description Kdc's hostname(length:1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-kerberos-hostip and http-kerberos-hostipv6 are mutually exclusive

http-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: http-kerberos-hostipv6 and http-kerberos-hostip are mutually exclusive

http-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

http-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

monitor-list_method_quic

Specification	Value
Type	*object*

quic

Description QUIC type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic-port

Description Specify QUIC port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_ntp

Specification	Value
Type	*object*

ntp

Description NTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntp-port

Description Specify the NTP port, default is 123 (Port Number (default 123))

Type: number

Range: 1-65534

Default: 123

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_pop3

Specification	Value
Type	*object*

pop3

Description POP3 type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

pop3-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

pop3-port

Description Specify the POP3 port, default is 110 (Port Number (default 110))

Type: number

Range: 1-65534

Default: 110

pop3-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_external

Specification	Value
Type	*object*

ext-arguments

Description Specify external application's arguments (Application arguments)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ext-port

Description Specify the server port (Port Number)

Type: number

Range: 1-65534

ext-preference

Description Get server's perference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-program

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ext-program-shared

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external

Description EXTERNAL type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-program

Description external application from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_compound

Specification	Value
Type	*object*

compound

Description Compound type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpn-string

Description Enter Reverse Polish Notation, example: sub hm1 sub hm2 and

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_icmp

Specification	Value
Type	*object*

icmp

Description ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

ip

Description Specify IPv4 address of destination behind monitored node

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Specify IPv6 address of destination behind monitored node

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

transparent

Description Apply transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_imap

Specification	Value
Type	*object*

imap

Description IMAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-cram-md5

Description Challenge-response authentication mechanism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

imap-login

Description Simple login

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

imap-plain

Description Plain text

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-port

Description Specify the IMAP port, default is 143 (Port Number (default 143))

Type: number

Range: 1-65534

Default: 143

imap-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

pwd-auth

Description Specify the Authentication method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_database

Specification	Value
Type	*object*

database

Description DATABASE type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-name

Description 'mssql': Specify MSSQL database; 'mysql': Specify MySQL database; 'oracle': Specify Oracle database; 'postgresql': Specify PostgreSQL database;

Type: string

Supported Values: mssql, mysql, oracle, postgresql

db-column

Description Specify the column number for receiving

Type: number

Range: 1-10

db-column-integer

Description Specify the column number for receiving

Type: number

Range: 1-10

db-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

db-name

Description Specify the database name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

db-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

db-password-str

Description Configure password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

db-receive

Description Specify the response string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: db-receive and db-receive-integer are mutually exclusive

db-receive-integer

Description Specify the response integer

Type: number

Range: 0-2147483647

Mutual Exclusion: db-receive-integer and db-receive are mutually exclusive

db-row

Description Specify the row number for receiving

Type: number

Range: 1-10

db-row-integer

Description Specify the row number for receiving

Type: number

Range: 1-10

db-send

Description Specify the SQL query

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

db-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_method_tacplus

Specification	Value
Type	*object*

secret-encrypted

Description

tacplus

Description TACACS+ type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

tacplus-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-port

Description Specify the TACACS+ port, default 49 (Port number (default 49))

Type: number

Range: 1-65534

Default: 49

tacplus-secret

Description Specify the shared secret of TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-secret-string

Description Shared Crypto Key

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-type

Description 'inbound-ascii-login': Specify Inbound ASCII Login type;

Type: string

Supported Values: inbound-ascii-login

Default: inbound-ascii-login

tacplus-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_proxy-header

Specification	Value
Type	*object*

proxy-header-ver

Description 'v1': version 1; 'v2': version 2; (version number)

Type: string

Supported Values: v1, v2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.2 health external

Address the External Script Program

external Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	external
Element URI	/axapi/v3/health/external
Element Attributes	external_attributes
Partition Visibility	shared
Schema	`external schema`

Operations Allowed:

Get Object

GET

/axapi/v3/health/external

external_attributes

external attributes

copy

Description: copy is a **JSON Block**. Please see below for *copy*

Type: Object

Reference Object: */axapi/v3/health/external/copy*

create

Description: create is a **JSON Block**. Please see below for *create*

Type: Object

Reference Object: */axapi/v3/health/external/create*

delete

Description: delete is a **JSON Block**. Please see below for *delete*

Type: Object

Reference Object: */axapi/v3/health/external/delete*

edit

Description: edit is a **JSON Block**. Please see below for *edit*

Type: Object

Reference Object: */axapi/v3/health/external/edit*

rename

Description: rename is a **JSON Block**. Please see below for *rename*

Type: Object

Reference Object: */axapi/v3/health/external/rename*

edit

Specification	Value
Type	*object*

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

rename

Specification	Value
Type	*object*

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

create

Specification	Value
Type	*object*

description

Description Describe health external monitor script briefly

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

copy

Specification	Value
Type	*object*

dst-file

Description Destination external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

src-file

Description Source external health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

delete

Specification	Value
Type	*object*

file-name

Description External health monitor script file name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

2.59.3 health global

Define the Health Monitor global default

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/health/global
Element Attributes	global_attributes
Partition Visibility	shared
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/global

global attributes

```
POST /axapi/v3/health/global
Payload:
{
    "global": {
        "multi-process": 1
    }
}
```

Get Object

GET

/axapi/v3/health/global

global attributes

```
GET /axapi/v3/health/global
Reponse:
{
    "global": {
        "multi-process": 1,
        "disable-auto-adjust": 0,
        "check-rate": 1000,
        "external-rate": 2,
        "per": 2,
        "retry": 3,
        "up-retry": 1,
        "interval": 5,
        "timeout": 5,
        "uuid": "7e126f38-091d-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/global"
    }
}
```

Modify Object

POST

/axapi/v3/health/global

global attributes

Replace Object

PUT

/axapi/v3/health/global

global attributes

```
PUT /axapi/v3/health/global
Payload:
{
    "global": {
        "multi-process": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/global

global attributes

```
DELETE /axapi/v3/health/global
Reponse:
{
    "response": {
```

(continues on next page)

(continued from previous page)

```
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

global attributes

check-rate

Description Health Check Rate per 500ms (default 1000)

Type: number

Range: 1-50000

Default: 1000

disable-auto-adjust

Description Disable the Health Check Rate Auto Adjustment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-rate

Description Define the External Health Check Rate (Number of External Script Programs (default 2))

Type: number

Range: 1-999

Default: 2

interval

Description Specify the Healthcheck Interval (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

Default: 5

multi-process

Description Start Health Monitoring in Multi-Process Mode (Specify the number of multiple processes (default 1))

Type: number

Range: 1-20

Default: 1

per

Description Specify the Unit Time for the rate (Specify the Unit Time, multiple of 100ms)

Type: number

Range: 1-20

Default: 2

retry

Description Specify the Healthcheck Retries (Retry Count (default 3))

Type: number

Range: 1-10

Default: 3

timeout

Description Specify the Healthcheck Timeout (Timeout Value, in seconds (default 5), Timeout should be less than or equal to interval)

Type: number

Range: 1-180

Default: 5

up-retry

Description Specify the Healthcheck Retries before declaring target up (Up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.4 health monitor

Define the Health Monitor object

monitor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/health/monitor
Element Name	monitor
Element URI	/axapi/v3/health/monitor/{name}
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor

monitor attributes

```
POST /axapi/v3/health/monitor/
Payload:
{
    "monitor": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/health/monitor

monitor attributes

Get Object

GET

/axapi/v3/health/monitor/{name}

monitor attributes

```
GET /axapi/v3/health/monitor/a
Reponse:
{
    "monitor": {
        "name": "a",
        "dsr-l2-strict": 0,
        "retry": 3,
        "up-retry": 1,
```

(continues on next page)

(continued from previous page)


```
        "passive": 0,
        "strict-retry-on-server-err-resp": 0,
        "disable-after-down": 0,
        "interval": 5,
        "timeout": 5,
        "ssl-ciphers": "DEFAULT",
        "ssl-ticket": 0,
        "ssl-version": 34,
        "ssl-dgversion": 31,
        "default-state-up": 0,
        "uuid": "be974362-091d-11f0-82b5-7dd5c2404b7e",
        "user-tag": "a",
        "method": {
            "icmp": {
                "icmp": 1,
                "transparent": 0,
                "uuid": "be9765ea-091d-11f0-82b5-7dd5c2404b7e",
                "a10-url": "/axapi/v3/health/monitor/a/method/icmp"
            },
            "a10-url": "/axapi/v3/health/monitor/a/method"
        },
        "a10-url": "/axapi/v3/health/monitor/a"
    }
}
```


Get List

GET

/axapi/v3/health/monitor

monitor-list

Modify Object

POST

/axapi/v3/health/monitor/{name}

monitor attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}

monitor attributes

```
PUT /axapi/v3/health/monitor/a
Payload:
{
    "monitor": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/health/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/health/monitor/{name}

monitor attributes

```
DELETE /axapi/v3/health/monitor/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

default-state-up

Description Initial health state will default to UP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-after-down

Description Disable the target if health check failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dplane

Description 'enable': Enable health-check on dplane; 'disable': Disable health-check on dplane; 'auto(default)': Auto select;

Type: string

Supported Values: enable, disable, auto

Default: auto

dsr-l2-strict

Description Enable strict L2dsr health-check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-insert

Description: header-insert is a **JSON Block**. Please see below for *header-insert*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/header-insert*

interval

Description Specify the Healthcheck Interval (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

method

Description: method is a **JSON Block**. Please see below for *method*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method*

name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: ping

override-ipv4

Description Override implicitly inherited IPv4 address from target

Type: string

Format: ipv4-address

override-ipv6

Description Override implicitly inherited IPv6 address from target

Type: string

Format: ipv6-address

override-port

Description Override implicitly inherited port from target (Port number (1-65534))

Type: number

Range: 1-65534

passive

Description Specify passive mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

passive-interval

Description Interval to do manual health checking while in passive mode (Specify value in seconds (Default is 10 s))

Type: number

Range: 1-180

Default: 10

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *proxy-header*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/proxy-header*

retry

Description Specify the Healthcheck Retries (Retry Count (default 3))

Type: number

Range: 1-10

sample-threshold

Description Number of samples in one epoch above which passive HC is enabled. If below or equal to the threshold, passive HC is disabled (Specify number of samples in one second (Default is 50). If the number of samples is 0, no action is taken)

Type: number

Range: 1-10000

Default: 50

ssl-ciphers

Description Specify OpenSSL Cipher Suite name(s) for Health check (OpenSSL Cipher Suite(s) (Eg: AES128-SHA256), if the cipher is invalid, would give information at HM down reason)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: DEFAULT

ssl-dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 31-34

Default: 31

ssl-ticket

Description Enable SSL-Ticket Session Resumption

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-ticket-lifetime

Description SSL-Ticket lifetime (seconds)

Type: number

Range: 1-604800

ssl-version

Description TLS/SSL version (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 31-34

Default: 34

status-code

Description 'status-code-2xx': Enable passive mode with 2xx http status code; 'status-code-non-5xx': Enable passive mode with non-5xx http status code;

Type: string

Supported Values: status-code-2xx, status-code-non-5xx

strict-retry-on-server-err-resp

Description Require strictly retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-server-ssl

Description Server side SSL template for health monitor (Server side SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

threshold

Description Threshold percentage above which passive mode is enabled (Specify percentage (Default is 75%))

Type: number

Range: 0-100

Default: 75

timeout

Description Specify the Healthcheck Timeout (Timeout Value, in seconds(default 5), Timeout should be less than or equal to interval)

Type: number

Range: 1-180

up-retry

Description Specify the Healthcheck Retries before declaring target up (Up-retry count (default 1))

Type: number

Range: 1-63

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

header-insert

Specification	Value
Type	*object*

insert-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

header-insert_insert-list

Specification	Value
Type	*list*
Block object keys	

insert-content

Description Header Content (Format: "[name]:[value]")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method

Specification	Value
Type	*object*

compound

Description: compound is a **JSON Block**. Please see below for *method_compound*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/compound*

database

Description: database is a **JSON Block**. Please see below for *method_database*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/database*

dns

Description: dns is a **JSON Block**. Please see below for *method_dns*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/dns*

external

Description: external is a **JSON Block**. Please see below for *method_external*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/external*

ftp

Description: ftp is a **JSON Block**. Please see below for *method_ftp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ftp*

http

Description: http is a **JSON Block**. Please see below for *method_http*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/http*

https

Description: https is a **JSON Block**. Please see below for *method_https*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/https*

icmp

Description: icmp is a **JSON Block**. Please see below for *method_icmp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/icmp*

imap

Description: imap is a **JSON Block**. Please see below for *method_imap*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/imap*

kerberos-kdc

Description: kerberos-kdc is a **JSON Block**. Please see below for *method_kerberos-kdc*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/kerberos-kdc*

ldap

Description: ldap is a **JSON Block**. Please see below for *method_ldap*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ldap*

ntp

Description: ntp is a **JSON Block**. Please see below for *method_ntp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ntp*

pop3

Description: pop3 is a **JSON Block**. Please see below for *method_pop3*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/pop3*

quic

Description: quic is a **JSON Block**. Please see below for *method_quic*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/quic*

radius

Description: radius is a **JSON Block**. Please see below for *method_radius*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/radius*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *method_rtsp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *method_sip*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/sip*

smtp

Description: smtp is a **JSON Block**. Please see below for *method_smtp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/smtp*

snmp

Description: snmp is a **JSON Block**. Please see below for *method_snmp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/snmp*

tacplus

Description: tacplus is a **JSON Block**. Please see below for *method_tacplus*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/tacplus*

tcp

Description: tcp is a **JSON Block**. Please see below for *method_tcp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *method_udp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/udp*

method_rtsp

Specification	Value
Type	*object*

rtsp

Description RTSP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtsp-port

Description Specify RTSP port, default is 554 (Port Number (default 554))

Type: number

Range: 1-65534

Default: 554

rtspurl

Description Specify URL string (Specify the path on the server)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_smtp

Specification	Value
Type	*object*

mail-from

Description Specify SMTP Sender

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rcpt-to

Description Specify SMTP Receiver

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

smtp

Description SMTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smtp-domain

Description Specify domain name of 'helo' command

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

smtp-port

Description Specify SMTP port, default is 25 (Port Number (default 25))

Type: number

Range: 1-65534

Default: 25

smtp-starttls

Description Check the STARTTLS support at helo response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_tcp

Specification	Value
Type	*object*

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method-tcp

Description TCP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-halfopen

Description Set TCP SYN check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-halfopen and port-send are mutually exclusive

port-resp

Description: port-resp is a **JSON Block**. Please see below for *method_tcp_port-resp*

Type: Object

port-send

Description Send a string to server (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

Mutual Exclusion: port-send and port-halfopen are mutually exclusive

tcp-port

Description Specify TCP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_tcp_port-resp

Specification	Value
Type	*object*

port-contains

Description Mark server up if response string contains string (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method_radius

Specification	Value
Type	*object*

radius

Description RADIUS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-message-authenticator

Description message-authenticator type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-port

Description Specify the RADIUS port, default is 1812 (Port number (default 1812))

Type: number

Range: 1-65534

Default: 1812

radius-response-code

Description Specify response code range (e.g. 2,4-7) (Format is xx,xx-xx (xx between [1, 13]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret

Description Configure shared secret of RADIUS server

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_https

Specification	Value
Type	*object*

cert

Description Specify client certificate (Certificate name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cert-key-shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv2hello

Description Disable SSLv2Hello for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-version

Description 'http-version2': HTTP version 2 for HTTPs; 'http-version3': HTTP version 3 for HTTPs;

Type: string

Supported Values: http-version2, http-version3

https

Description HTTPS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-kerberos-auth

Description Https Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-kerberos-kdc

Description: https-kerberos-kdc is a **JSON Block**. Please see below for *method_https_https-kerberos-kdc*

Type: Object

https-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

https-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

https-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-response-code and https-text are mutually exclusive

https-server-cert-name

Description Expect Server Cert commonName

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: https-text, https-response-code, and text-regex are mutually exclusive

https-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

key

Description Specify client private key (Key name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

key-pass-phrase

Description Client private key password phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-phrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sni

Description Server Name Indication for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and https-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-port

Description Specify HTTPS port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

method_https_https-kerberos-kdc

Specification	Value
Type	*object*

https-kerberos-hostip

Description Kdc's hostname(length:1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-kerberos-hostip and https-kerberos-hostipv6 are mutually exclusive

https-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: https-kerberos-hostipv6 and https-kerberos-hostip are mutually exclusive

https-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

https-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

method_ftp

Specification	Value
Type	*object*

ftp

Description FTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ftp-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ftp-port

Description Specify FTP port (Specify port number, default is 21)

Type: number

Range: 1-65534

Default: 21

ftp-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_sip

Specification	Value
Type	*object*

expect-response-code

Description Specify accepted response codes (e.g. 200, 400-430, any) (Format is xxx,xxx-xxx,any (xxx between [100,899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

register

Description Send SIP REGISTER message, default is to send OPTION message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Description SIP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip-hostname

Description Specify the SIP hostname that used in request

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

sip-port

Description Specify the SIP port, default is 5060 (Port Number)

Type: number

Range: 1-65534

Default: 5060

sip-tcp

Description Use TCP for transmission, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_snmp

Specification	Value
Type	*object*

community

Description Specify SNMP community, default is "public" (Community String)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: public

oid

Description: oid is a **JSON Block**. Please see below for *method_snmp_oid*

Type: Object

operation

Description: operation is a **JSON Block**. Please see below for *method_snmp_operation*

Type: Object

snmp

Description SNMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp-port

Description Specify SNMP port, default is 161 (Port Number)

Type: number

Range: 1-65534

Default: 161

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_snmp_oid

Specification	Value
Type	*object*

asn

Description Specify the format in ASN.1 style

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: asn and mib are mutually exclusive

mib

Description 'sysDescr': The MIB-2 OID of system description, 1.1.0; 'sysUpTime': The MIB-2 OID of system up time, 1.3.0; 'sysName': The MIB-2 OID of system nume, 1.5.0;

Type: string

Supported Values: sysDescr, sysUpTime, sysName

Mutual Exclusion: mib and asn are mutually exclusive

method_snmp_operation

Specification	Value
Type	*object*

oper-type

Description 'getnext': Get-Next-Request command; 'get': Get-Request command;

Type: string

Supported Values: getnext, get

method_dns

Specification	Value
Type	*object*

dns

Description DNS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain

Description Specify fully qualified domain name of the host

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain and dns-ip-key are mutually exclusive

dns-domain-expect

Description: dns-domain-expect is a **JSON Block**. Please see below for *method_dns_dns-domain-expect*

Type: Object

dns-domain-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-domain-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-domain-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain-type

Description 'A': Used for storing Ipv4 address (default); 'CNAME': Canonical name for a DNS alias; 'SOA': Start of authority; 'PTR': Domain name pointer; 'MX': Mail exchanger; 'TXT': Text string; 'AAAA': Used for storing Ipv6 128-bits address;

Type: string

Supported Values: A, CNAME, SOA, PTR, MX, TXT, AAAA

Default: A

dns-ip-key

Description Reverse DNS lookup (Specify IPv4 or IPv6 address)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dns-ip-key and dns-domain are mutually exclusive

dns-ipv4-addr

Description Specify IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-ipv4-addr and dns-ipv6-addr are mutually exclusive

dns-ipv4-expect

Description: dns-ipv4-expect is a **JSON Block**. Please see below for *method_dns_dns-ipv4-expect*

Type: Object

dns-ipv4-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv4-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv4-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-ipv6-addr

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-ipv6-addr and dns-ipv4-addr are mutually exclusive

dns-ipv6-expect

Description: dns-ipv6-expect is a **JSON Block**. Please see below for *method_dns_dns-ipv6-expect*

Type: Object

dns-ipv6-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv6-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv6-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_dns_dns-domain-expect

Specification	Value
Type	*object*

dns-domain-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-fqdn,dns-domain-response, dns-domain-ipv4, and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv4

Description Specify expected resolved IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-domain-ipv4,dns-domain-response, dns-domain-fqdn, and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv6

Description Specify expected resolved IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-domain-ipv6,dns-domain-response, dns-domain-fqdn, and dns-domain-ipv4 are mutually exclusive

dns-domain-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-response,dns-domain-fqdn, dns-domain-ipv4, and dns-domain-ipv6 are mutually exclusive

method_dns_dns-ipv6-expect

Specification	Value
Type	*object*

dns-ipv6-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-fqdn and dns-ipv6-response are mutually exclusive

dns-ipv6-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-response and dns-ipv6-fqdn are mutually exclusive

method_dns_dns-ipv4-expect

Specification	Value
Type	*object*

dns-ipv4-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-fqdn and dns-ipv4-response are mutually exclusive

dns-ipv4-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-response and dns-ipv4-fqdn are mutually exclusive

method_ldap

Specification	Value
Type	*object*

AcceptNotFound

Description Mark server up on receiving a not-found response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

AcceptResRef

Description Mark server up on receiving a search result reference response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BaseDN

Description Specify LDAP DN distinguished name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap

Description LDAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-binddn

Description Specify the distinguished name for bindRequest (LDAP DN distinguished name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ldap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap-port

Description Specify the LDAP port (Speciry port number, default is 389, or 636 if LDAP over SSL)

Type: number

Range: 1-65534

Default: 389

ldap-query

Description LDAP query to be excuted

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ldap-run-search

Description Specify a query to be executed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-security

Description 'overssl': Set LDAP over SSL; 'StartTLS': LDAP switch to TLS;

Type: string

Supported Values: overssl, StartTLS

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_kerberos-kdc

Specification	Value
Type	*object*

kerberos-cfg

Description: kerberos-cfg is a **JSON Block**. Please see below for *method_kerberos-kdc_kerberos-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_kerberos-kdc_kerberos-cfg

Specification	Value
Type	*object*

kadmin

Description Kerberos admin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kadmin, kinit, and kpasswd are mutually exclusive

kadmin-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kadmin-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kadmin-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kadmin-realm

Description Specify the realm

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-server

Description Specify the admin server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit

Description Kerberos KDC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kinit, kadmin, and kpasswd are mutually exclusive

kinit-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kinit-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kinit-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd

Description Kerberos change passwd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kpasswd, kinit, and kadmin are mutually exclusive

kpasswd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kpasswd-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kpasswd-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kpasswd-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd-server

Description Specify the Kerberos password server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-only

Description Specify the kerberos tcp only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method_udp

Specification	Value
Type	*object*

force-up-with-single-healthcheck

Description Force Up with no response at the first time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description UDP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port

Description Specify UDP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_http

Specification	Value
Type	*object*

http

Description HTTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

http-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-kerberos-auth

Description Http Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Description: http-kerberos-kdc is a **JSON Block**. Please see below for *method_http_http-kerberos-kdc*

Type: Object

http-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-password-string

Description Specify password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

http-port

Description Specify HTTP Port (Specify port number (default 80))

Type: number

Range: 1-65534

Default: 80

http-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-response-code and http-text are mutually exclusive

http-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: http-text, http-response-code, and text-regex are mutually exclusive

http-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and http-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version2

Description Specify HTTP version2 (Specify http version 2)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method_http_http-kerberos-kdc

Specification	Value
Type	*object*

http-kerberos-hostip

Description Kdc's hostname(length:1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-kerberos-hostip and http-kerberos-hostipv6 are mutually exclusive

http-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: http-kerberos-hostipv6 and http-kerberos-hostip are mutually exclusive

http-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

http-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

method_quic

Specification	Value
Type	*object*

quic

Description QUIC type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic-port

Description Specify QUIC port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_ntp

Specification	Value
Type	*object*

ntp

Description NTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntp-port

Description Specify the NTP port, default is 123 (Port Number (default 123))

Type: number

Range: 1-65534

Default: 123

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_pop3

Specification	Value
Type	*object*

pop3

Description POP3 type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

pop3-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

pop3-port

Description Specify the POP3 port, default is 110 (Port Number (default 110))

Type: number

Range: 1-65534

Default: 110

pop3-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_external

Specification	Value
Type	*object*

ext-arguments

Description Specify external application's arguments (Application arguments)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ext-port

Description Specify the server port (Port Number)

Type: number

Range: 1-65534

ext-preference

Description Get server's perference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-program

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ext-program-shared

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external

Description EXTERNAL type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-program

Description external application from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_compound

Specification	Value
Type	*object*

compound

Description Compound type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpn-string

Description Enter Reverse Polish Notation, example: sub hm1 sub hm2 and

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_icmp

Specification	Value
Type	*object*

icmp

Description ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

ip

Description Specify IPv4 address of destination behind monitored node

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Specify IPv6 address of destination behind monitored node

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

transparent

Description Apply transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_imap

Specification	Value
Type	*object*

imap

Description IMAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-cram-md5

Description Challenge-response authentication mechanism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

imap-login

Description Simple login

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

imap-plain

Description Plain text

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-port

Description Specify the IMAP port, default is 143 (Port Number (default 143))

Type: number

Range: 1-65534

Default: 143

imap-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

pwd-auth

Description Specify the Authentication method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_database

Specification	Value
Type	*object*

database

Description DATABASE type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-name

Description 'mssql': Specify MSSQL database; 'mysql': Specify MySQL database; 'oracle': Specify Oracle database; 'postgresql': Specify PostgreSQL database;

Type: string

Supported Values: mssql, mysql, oracle, postgresql

db-column

Description Specify the column number for receiving

Type: number

Range: 1-10

db-column-integer

Description Specify the column number for receiving

Type: number

Range: 1-10

db-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

db-name

Description Specify the database name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

db-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

db-password-str

Description Configure password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

db-receive

Description Specify the response string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: db-receive and db-receive-integer are mutually exclusive

db-receive-integer

Description Specify the response integer

Type: number

Range: 0-2147483647

Mutual Exclusion: db-receive-integer and db-receive are mutually exclusive

db-row

Description Specify the row number for receiving

Type: number

Range: 1-10

db-row-integer

Description Specify the row number for receiving

Type: number

Range: 1-10

db-send

Description Specify the SQL query

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

db-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

method_tacplus

Specification	Value
Type	*object*

secret-encrypted

Description

tacplus

Description TACACS+ type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

tacplus-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-port

Description Specify the TACACS+ port, default 49 (Port number (default 49))

Type: number

Range: 1-65534

Default: 49

tacplus-secret

Description Specify the shared secret of TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-secret-string

Description Shared Crypto Key

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-type

Description 'inbound-ascii-login': Specify Inbound ASCII Login type;

Type: string

Supported Values: inbound-ascii-login

Default: inbound-ascii-login

tacplus-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy-header

Specification	Value
Type	*object*

proxy-header-ver

Description 'v1': version 1; 'v2': version 2; (version number)

Type: string

Supported Values: v1, v2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.5 health monitor header-insert

Insert a header into request

header-insert Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	header-insert
Element URI	/axapi/v3/health/monitor/{name}/header-insert
Element Attributes	header-insert_attributes
Partition Visibility	shared
Schema	`header-insert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/header-insert

header-insert attributes

```
POST /axapi/v3/health/monitor/a/header-insert
Payload:
{
    "header-insert": {
        "insert-list": [
            {
                "insert-content": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/header-insert

header-insert attributes

Modify Object

POST

/axapi/v3/health/monitor/{name}/header-insert

header-insert attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/header-insert

header-insert attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/header-insert

header-insert attributes

header-insert attributes

insert-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

insert-list

Specification	Value
Type	*list*
Block object keys	

insert-content

Description Header Content (Format: "[name]:[value]")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.59.6 health monitor method

Define the health method object, default is ICMP

method Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	method
Element URI	/axapi/v3/health/monitor/{name}/method
Element Attributes	method_attributes
Partition Visibility	shared
Schema	`method schema`

Operations Allowed:

Get Object

GET

/axapi/v3/health/monitor/{name}/method

method_attributes

method attributes

compound

Description: compound is a **JSON Block**. Please see below for *compound*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/compound*

database

Description: database is a **JSON Block**. Please see below for *database*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/database*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/dns*

external

Description: external is a **JSON Block**. Please see below for *external*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/external*

ftp

Description: ftp is a **JSON Block**. Please see below for *ftp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ftp*

http

Description: http is a **JSON Block**. Please see below for *http*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/http*

https

Description: https is a **JSON Block**. Please see below for *https*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/https*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/icmp*

imap

Description: imap is a **JSON Block**. Please see below for *imap*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/imap*

kerberos-kdc

Description: kerberos-kdc is a **JSON Block**. Please see below for *kerberos-kdc*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/kerberos-kdc*

ldap

Description: ldap is a **JSON Block**. Please see below for *ldap*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ldap*

ntp

Description: ntp is a **JSON Block**. Please see below for *ntp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/ntp*

pop3

Description: pop3 is a **JSON Block**. Please see below for *pop3*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/pop3*

quic

Description: quic is a **JSON Block**. Please see below for *quic*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/quic*

radius

Description: radius is a **JSON Block**. Please see below for *radius*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/radius*

rtsp

Description: rtsp is a **JSON Block**. Please see below for *rtsp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/rtsp*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/sip*

smtp

Description: smtp is a **JSON Block**. Please see below for *smtp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/smtp*

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/snmp*

tacplus

Description: tacplus is a **JSON Block**. Please see below for *tacplus*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/tacplus*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Reference Object: */axapi/v3/health/monitor/{name}/method/udp*

rtsp

Specification	Value
Type	*object*

rtsp

Description RTSP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtsp-port

Description Specify RTSP port, default is 554 (Port Number (default 554))

Type: number

Range: 1-65534

Default: 554

rtspurl

Description Specify URL string (Specify the path on the server)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp

Specification	Value
Type	*object*

mail-from

Description Specify SMTP Sender

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rcpt-to

Description Specify SMTP Receiver

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

smtp

Description SMTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smtp-domain

Description Specify domain name of 'helo' command

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

smtp-port

Description Specify SMTP port, default is 25 (Port Number (default 25))

Type: number

Range: 1-65534

Default: 25

smtp-starttls

Description Check the STARTTLS support at helo response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	Value
Type	*object*

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method-tcp

Description TCP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-halfopen

Description Set TCP SYN check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-halfopen and port-send are mutually exclusive

port-resp

Description: port-resp is a **JSON Block**. Please see below for *tcp_port-resp*

Type: Object

port-send

Description Send a string to server (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

Mutual Exclusion: port-send and port-halfopen are mutually exclusive

tcp-port

Description Specify TCP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port-resp

Specification	Value
Type	*object*

port-contains

Description Mark server up if response string contains string (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

radius

Specification	Value
Type	*object*

radius

Description RADIUS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-message-authenticator

Description message-authenticator type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-port

Description Specify the RADIUS port, default is 1812 (Port number (default 1812))

Type: number

Range: 1-65534

Default: 1812

radius-response-code

Description Specify response code range (e.g. 2,4-7) (Format is xx,xx-xx (xx between [1, 13]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret

Description Configure shared secret of RADIUS server

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

https

Specification	Value
Type	*object*

cert

Description Specify client certificate (Certificate name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cert-key-shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv2hello

Description Disable SSLv2Hello for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-version

Description 'http-version2': HTTP version 2 for HTTPs; 'http-version3': HTTP version 3 for HTTPs;

Type: string

Supported Values: http-version2, http-version3

https

Description HTTPS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-kerberos-auth

Description Https Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-kerberos-kdc

Description: https-kerberos-kdc is a **JSON Block**. Please see below for *https_https-kerberos-kdc*

Type: Object

https-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

https-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

https-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-response-code and https-text are mutually exclusive

https-server-cert-name

Description Expect Server Cert commonName

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: https-text, https-response-code, and text-regex are mutually exclusive

https-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

key

Description Specify client private key (Key name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

key-pass-phrase

Description Client private key password phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-phrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sni

Description Server Name Indication for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and https-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-port

Description Specify HTTPS port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

https_https-kerberos-kdc

Specification	Value
Type	*object*

https-kerberos-hostip

Description Kdc's hostname(length:1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-kerberos-hostip and https-kerberos-hostipv6 are mutually exclusive

https-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: https-kerberos-hostipv6 and https-kerberos-hostip are mutually exclusive

https-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

https-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

ftp

Specification	Value
Type	*object*

ftp

Description FTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ftp-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ftp-port

Description Specify FTP port (Specify port number, default is 21)

Type: number

Range: 1-65534

Default: 21

ftp-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip

Specification	Value
Type	*object*

expect-response-code

Description Specify accepted response codes (e.g. 200, 400-430, any) (Format is xxx,xxx-xxx,any (xxx between [100,899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

register

Description Send SIP REGISTER message, default is to send OPTION message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Description SIP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip-hostname

Description Specify the SIP hostname that used in request

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

sip-port

Description Specify the SIP port, default is 5060 (Port Number)

Type: number

Range: 1-65534

Default: 5060

sip-tcp

Description Use TCP for transmission, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp

Specification	Value
Type	*object*

community

Description Specify SNMP community, default is "public" (Community String)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: public

oid

Description: oid is a **JSON Block**. Please see below for *snmp_oid*

Type: Object

operation

Description: operation is a **JSON Block**. Please see below for *snmp_operation*

Type: Object

snmp

Description SNMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp-port

Description Specify SNMP port, default is 161 (Port Number)

Type: number

Range: 1-65534

Default: 161

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp_oid

Specification	Value
Type	*object*

asn

Description Specify the format in ASN.1 style

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: asn and mib are mutually exclusive

mib

Description 'sysDescr': The MIB-2 OID of system description, 1.1.0; 'sysUpTime': The MIB-2 OID of system up time, 1.3.0; 'sysName': The MIB-2 OID of system nume, 1.5.0;

Type: string

Supported Values: sysDescr, sysUpTime, sysName

Mutual Exclusion: mib and asn are mutually exclusive

snmp_operation

Specification	Value
Type	*object*

oper-type

Description 'getnext': Get-Next-Request command; 'get': Get-Request command;

Type: string

Supported Values: getnext, get

dns

Specification	Value
Type	*object*

dns

Description DNS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain

Description Specify fully qualified domain name of the host

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain and dns-ip-key are mutually exclusive

dns-domain-expect

Description: dns-domain-expect is a **JSON Block**. Please see below for *dns_dns-domain-expect*

Type: Object

dns-domain-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-domain-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-domain-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain-type

Description 'A': Used for storing Ipv4 address (default); 'CNAME': Canonical name for a DNS alias; 'SOA': Start of authority; 'PTR': Domain name pointer; 'MX': Mail exchanger; 'TXT': Text string; 'AAAA': Used for storing Ipv6 128-bits address;

Type: string

Supported Values: A, CNAME, SOA, PTR, MX, TXT, AAAA

Default: A

dns-ip-key

Description Reverse DNS lookup (Specify IPv4 or IPv6 address)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dns-ip-key and dns-domain are mutually exclusive

dns-ipv4-addr

Description Specify IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-ipv4-addr and dns-ipv6-addr are mutually exclusive

dns-ipv4-expect

Description: dns-ipv4-expect is a **JSON Block**. Please see below for *dns_dns-ipv4-expect*

Type: Object

dns-ipv4-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv4-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv4-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-ipv6-addr

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-ipv6-addr and dns-ipv4-addr are mutually exclusive

dns-ipv6-expect

Description: dns-ipv6-expect is a **JSON Block**. Please see below for *dns_dns-ipv6-expect*

Type: Object

dns-ipv6-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv6-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv6-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_dns-domain-expect

Specification	Value
Type	*object*

dns-domain-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-fqdn,dns-domain-response, dns-domain-ipv4, and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv4

Description Specify expected resolved IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-domain-ipv4,dns-domain-response, dns-domain-fqdn, and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv6

Description Specify expected resolved IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-domain-ipv6,dns-domain-response, dns-domain-fqdn, and dns-domain-ipv4 are mutually exclusive

dns-domain-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-response,dns-domain-fqdn, dns-domain-ipv4, and dns-domain-ipv6 are mutually exclusive

dns_dns-ipv6-expect

Specification	Value
Type	*object*

dns-ipv6-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-fqdn and dns-ipv6-response are mutually exclusive

dns-ipv6-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-response and dns-ipv6-fqdn are mutually exclusive

dns_dns-ipv4-expect

Specification	Value
Type	*object*

dns-ipv4-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-fqdn and dns-ipv4-response are mutually exclusive

dns-ipv4-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-response and dns-ipv4-fqdn are mutually exclusive

ldap

Specification	Value
Type	*object*

AcceptNotFound

Description Mark server up on receiving a not-found response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

AcceptResRef

Description Mark server up on receiving a search result reference response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BaseDN

Description Specify LDAP DN distinguished name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap

Description LDAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-binddn

Description Specify the distinguished name for bindRequest (LDAP DN distinguished name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ldap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap-port

Description Specify the LDAP port (Speciry port number, default is 389, or 636 if LDAP over SSL)

Type: number

Range: 1-65534

Default: 389

ldap-query

Description LDAP query to be excuted

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ldap-run-search

Description Specify a query to be executed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-security

Description 'overssl': Set LDAP over SSL; 'StartTLS': LDAP switch to TLS;

Type: string

Supported Values: overssl, StartTLS

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kerberos-kdc

Specification	Value
Type	*object*

kerberos-cfg

Description: kerberos-cfg is a **JSON Block**. Please see below for *kerberos-kdc_kerberos-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kerberos-kdc_kerberos-cfg

Specification	Value
Type	*object*

kadmin

Description Kerberos admin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kadmin, kinit, and kpasswd are mutually exclusive

kadmin-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kadmin-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kadmin-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kadmin-realm

Description Specify the realm

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-server

Description Specify the admin server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit

Description Kerberos KDC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kinit, kadmin, and kpasswd are mutually exclusive

kinit-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kinit-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kinit-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd

Description Kerberos change passwd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kpasswd, kinit, and kadmin are mutually exclusive

kpasswd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kpasswd-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kpasswd-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kpasswd-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd-server

Description Specify the Kerberos password server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-only

Description Specify the kerberos tcp only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Specification	Value
Type	*object*

force-up-with-single-healthcheck

Description Force Up with no response at the first time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description UDP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port

Description Specify UDP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http

Specification	Value
Type	*object*

http

Description HTTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

http-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-kerberos-auth

Description Http Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Description: http-kerberos-kdc is a **JSON Block**. Please see below for *http_http-kerberos-kdc*

Type: Object

http-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-password-string

Description Specify password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

http-port

Description Specify HTTP Port (Specify port number (default 80))

Type: number

Range: 1-65534

Default: 80

http-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-response-code and http-text are mutually exclusive

http-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: http-text, http-response-code, and text-regex are mutually exclusive

http-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and http-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version2

Description Specify HTTP version2 (Specify http version 2)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http_http-kerberos-kdc

Specification	Value
Type	*object*

http-kerberos-hostip

Description Kdc's hostname(length:1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-kerberos-hostip and http-kerberos-hostipv6 are mutually exclusive

http-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: http-kerberos-hostipv6 and http-kerberos-hostip are mutually exclusive

http-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

http-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

quic

Specification	Value
Type	*object*

quic

Description QUIC type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic-port

Description Specify QUIC port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ntp

Specification	Value
Type	*object*

ntp

Description NTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntp-port

Description Specify the NTP port, default is 123 (Port Number (default 123))

Type: number

Range: 1-65534

Default: 123

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pop3

Specification	Value
Type	*object*

pop3

Description POP3 type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

pop3-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

pop3-port

Description Specify the POP3 port, default is 110 (Port Number (default 110))

Type: number

Range: 1-65534

Default: 110

pop3-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

external

Specification	Value
Type	*object*

ext-arguments

Description Specify external application's arguments (Application arguments)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ext-port

Description Specify the server port (Port Number)

Type: number

Range: 1-65534

ext-preference

Description Get server's perference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-program

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ext-program-shared

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external

Description EXTERNAL type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-program

Description external application from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

compound

Specification	Value
Type	*object*

compound

Description Compound type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpn-string

Description Enter Reverse Polish Notation, example: sub hm1 sub hm2 and

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp

Specification	Value
Type	*object*

icmp

Description ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

ip

Description Specify IPv4 address of destination behind monitored node

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Specify IPv6 address of destination behind monitored node

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

transparent

Description Apply transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

imap

Specification	Value
Type	*object*

imap

Description IMAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-cram-md5

Description Challenge-response authentication mechanism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

imap-login

Description Simple login

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

imap-plain

Description Plain text

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-port

Description Specify the IMAP port, default is 143 (Port Number (default 143))

Type: number

Range: 1-65534

Default: 143

imap-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

pwd-auth

Description Specify the Authentication method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

database

Specification	Value
Type	*object*

database

Description DATABASE type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-name

Description 'mssql': Specify MSSQL database; 'mysql': Specify MySQL database; 'oracle': Specify Oracle database; 'postgresql': Specify PostgreSQL database;

Type: string

Supported Values: mssql, mysql, oracle, postgresql

db-column

Description Specify the column number for receiving

Type: number

Range: 1-10

db-column-integer

Description Specify the column number for receiving

Type: number

Range: 1-10

db-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

db-name

Description Specify the database name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

db-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

db-password-str

Description Configure password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

db-receive

Description Specify the response string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: db-receive and db-receive-integer are mutually exclusive

db-receive-integer

Description Specify the response integer

Type: number

Range: 0-2147483647

Mutual Exclusion: db-receive-integer and db-receive are mutually exclusive

db-row

Description Specify the row number for receiving

Type: number

Range: 1-10

db-row-integer

Description Specify the row number for receiving

Type: number

Range: 1-10

db-send

Description Specify the SQL query

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

db-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tacplus

Specification	Value
Type	*object*

secret-encrypted

Description

tacplus

Description TACACS+ type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

tacplus-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-port

Description Specify the TACACS+ port, default 49 (Port number (default 49))

Type: number

Range: 1-65534

Default: 49

tacplus-secret

Description Specify the shared secret of TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-secret-string

Description Shared Crypto Key

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-type

Description 'inbound-ascii-login': Specify Inbound ASCII Login type;

Type: string

Supported Values: inbound-ascii-login

Default: inbound-ascii-login

tacplus-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.7 health monitor method compound

Compound type

compound Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	compound
Element URI	/axapi/v3/health/monitor/{name}/method/compound
Element Attributes	compound_attributes
Partition Visibility	shared
Schema	`compound schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

```
POST /axapi/v3/health/monitor/a/method/compound
Payload:
{
    "compound": {
        "rpn-string": "sub a1 sub a2 and",
        "compound": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

```
GET /axapi/v3/health/monitor/a/method/compound
Reponse:
{
    "compound": {
        "compound": 1,
        "rpn-string": "sub a1 sub a2 and",
        "uuid": "648d4190-091e-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/compound"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

```
PUT /axapi/v3/health/monitor/a/method/compound
Payload:
{
    "compound": {
        "rpn-string": "sub a1 sub a3 or",
        "compound": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/compound

compound attributes

```
DELETE /axapi/v3/health/monitor/a/method/compound
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

compound attributes

compound

Description Compound type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpn-string

Description Enter Reverse Polish Notation, example: sub hm1 sub hm2 and

Type: string

Format: string-rlx

Maximum Length: 512 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.8 health monitor method database

DATABASE type

database Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	database
Element URI	/axapi/v3/health/monitor/{name}/method/database
Element Attributes	database_attributes
Partition Visibility	shared
Schema	`database schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/database

database attributes

```
POST /axapi/v3/health/monitor/a/method/database
Payload:
{
    "database": {
        "db-password": 1,
        "database": 1,
        "database-name": "mssql",
        "db-name": "a",
        "db-username": "a",
        "db-password-str": "a",
        "db-send": "a",
        "db-receive": "a",
        "db-column": 1,
        "db-row": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/database

database attributes

```
GET /axapi/v3/health/monitor/a/method/database
Reponse:
{
    "database": {
```

(continues on next page)

(continued from previous page)

```
        "database": 1,
        "database-name": "mssql",
        "db-name": "a",
        "db-username": "a",
        "db-password": 1,
        "db-encrypted": "GiTAvwNaCjcfNHsFLFO2hiHYmDatJhmUQHisFZBxEb1Jq8J3JB+v5SOtGrOazMBr
↪",
        "db-send": "a",
        "db-receive": "a",
        "db-row": 1,
        "db-column": 1,
        "uuid": "81855ada-091e-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/database"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/database

database attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/database

database attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/database

database attributes

```
DELETE /axapi/v3/health/monitor/a/method/database
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

database attributes

database

Description DATABASE type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

database-name

Description 'mssql': Specify MSSQL database; 'mysql': Specify MySQL database; 'oracle': Specify Oracle database; 'postgresql': Specify PostgreSQL database;

Type: string

Supported Values: mssql, mysql, oracle, postgresql

db-column

Description Specify the column number for receiving

Type: number

Range: 1-10

db-column-integer

Description Specify the column number for receiving

Type: number

Range: 1-10

db-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

db-name

Description Specify the database name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

db-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

db-password-str

Description Configure password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

db-receive

Description Specify the response string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: db-receive and db-receive-integer are mutually exclusive

db-receive-integer

Description Specify the response integer

Type: number

Range: 0-2147483647

Mutual Exclusion: db-receive-integer and db-receive are mutually exclusive

db-row

Description Specify the row number for receiving

Type: number

Range: 1-10

db-row-integer

Description Specify the row number for receiving

Type: number

Range: 1-10

db-send

Description Specify the SQL query

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

db-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.9 health monitor method dns

DNS type

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/health/monitor/{name}/method/dns
Element Attributes	dns_attributes
Partition Visibility	shared
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

```
POST /axapi/v3/health/monitor/a/method/dns
Payload:
{
    "dns": {
        "dns": 1,
        "dns-ip-key": 1,
        "dns-ipv4-addr": "3.3.3.3",
        "dns-ipv4-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

```
GET /axapi/v3/health/monitor/a/method/dns
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "dns": {
        "dns": 1,
        "dns-ip-key": 1,
        "dns-ipv4-addr": "3.3.3.3",
        "dns-ipv4-port": 1,
        "dns-ipv4-recurse": "enabled",
        "dns-ipv4-tcp": 0,
        "uuid": "c1281768-091e-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/dns"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

```
PUT /axapi/v3/health/monitor/a/method/dns
Payload:
{
    "dns": {
        "dns": 1,
        "dns-ip-key": 1,
        "dns-ipv4-addr": "3.3.3.4",
        "dns-ipv4-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/dns

dns attributes

```
DELETE /axapi/v3/health/monitor/a/method/dns
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns attributes

dns

Description DNS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain

Description Specify fully qualified domain name of the host

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain and dns-ip-key are mutually exclusive

dns-domain-expect

Description: dns-domain-expect is a **JSON Block**. Please see below for *dns-domain-expect*

Type: Object

dns-domain-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-domain-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-domain-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-domain-type

Description 'A': Used for storing Ipv4 address (default); 'CNAME': Canonical name for a DNS alias; 'SOA': Start of authority; 'PTR': Domain name pointer; 'MX': Mail exchanger; 'TXT': Text string; 'AAAA': Used for storing Ipv6 128-bits address;

Type: string

Supported Values: A, CNAME, SOA, PTR, MX, TXT, AAAA

Default: A

dns-ip-key

Description Reverse DNS lookup (Specify IPv4 or IPv6 address)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dns-ip-key and dns-domain are mutually exclusive

dns-ipv4-addr

Description Specify IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-ipv4-addr and dns-ipv6-addr are mutually exclusive

dns-ipv4-expect

Description: dns-ipv4-expect is a **JSON Block**. Please see below for *dns-ipv4-expect*

Type: Object

dns-ipv4-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv4-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv4-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-ipv6-addr

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-ipv6-addr and dns-ipv4-addr are mutually exclusive

dns-ipv6-expect

Description: dns-ipv6-expect is a **JSON Block**. Please see below for *dns-ipv6-expect*

Type: Object

dns-ipv6-port

Description Specify DNS port, default is 53 (DNS Port(default 53))

Type: number

Range: 1-65534

Default: 53

dns-ipv6-recurse

Description 'enabled': Set the recursion bit; 'disabled': Clear the recursion bit;

Type: string

Supported Values: enabled, disabled

Default: enabled

dns-ipv6-tcp

Description Configure DNS transport over TCP, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-domain-expect

Specification	Value
Type	*object*

dns-domain-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-fqdn,dns-domain-response, dns-domain-ipv4, and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv4

Description Specify expected resolved IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: dns-domain-ipv4,dns-domain-response, dns-domain-fqdn, and dns-domain-ipv6 are mutually exclusive

dns-domain-ipv6

Description Specify expected resolved IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: dns-domain-ipv6,dns-domain-response, dns-domain-fqdn, and dns-domain-ipv4 are mutually exclusive

dns-domain-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-domain-response,dns-domain-fqdn, dns-domain-ipv4, and dns-domain-ipv6 are mutually exclusive

dns-ipv6-expect

Specification	Value
Type	*object*

dns-ipv6-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-fqdn and dns-ipv6-response are mutually exclusive

dns-ipv6-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv6-response and dns-ipv6-fqdn are mutually exclusive

dns-ipv4-expect

Specification	Value
Type	*object*

dns-ipv4-fqdn

Description Specify fully qualified domain name expected in DNS response answer

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-fqdn and dns-ipv4-response are mutually exclusive

dns-ipv4-response

Description Specify response code range (e.g. 0,1-5) (Format is xx,xx-xx (xx between [0,15]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: dns-ipv4-response and dns-ipv4-fqdn are mutually exclusive

2.59.10 health monitor method external

EXTERNAL type

external Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	external
Element URI	/axapi/v3/health/monitor/{name}/method/external
Element Attributes	external_attributes
Partition Visibility	shared
Schema	`external schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/external

external attributes

```
POST /axapi/v3/health/monitor/a/method/external
Payload:
{
    "external": {
        "external": 1,
        "ext-program": "a",
        "ext-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/external

external attributes

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/external

external attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/external

external attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/external

external attributes

external attributes

ext-arguments

Description Specify external application's arguments (Application arguments)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ext-port

Description Specify the server port (Port Number)

Type: number

Range: 1-65534

ext-preference

Description Get server's perference

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-program

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

ext-program-shared

Description Specify external application (Program name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

external

Description EXTERNAL type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-program

Description external application from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.11 health monitor method ftp

FTP type

ftp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ftp
Element URI	/axapi/v3/health/monitor/{name}/method/ftp
Element Attributes	ftp_attributes
Partition Visibility	shared
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

```
POST /axapi/v3/health/monitor/a/method/ftp
Payload:
{
    "ftp": {
        "ftp": 1,
        "ftp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

```
GET /axapi/v3/health/monitor/a/method/ftp
Reponse:
{
    "ftp": {
        "ftp": 1,
        "ftp-port": 1,
        "uuid": "72f1e078-091f-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/ftp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

```
PUT /axapi/v3/health/monitor/a/method/ftp
Payload:
{
    "ftp": {
        "ftp": 1,
        "ftp-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/ftp

ftp attributes

```
DELETE /axapi/v3/health/monitor/a/method/ftp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ftp attributes

ftp

Description FTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ftp-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ftp-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ftp-port

Description Specify FTP port (Specify port number, default is 21)

Type: number

Range: 1-65534

Default: 21

ftp-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.12 health monitor method http

HTTP type

http Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http
Element URI	/axapi/v3/health/monitor/{name}/method/http
Element Attributes	http_attributes
Partition Visibility	shared
Schema	`http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/http

http attributes

```
POST /axapi/v3/health/monitor/a/method/http
Payload:
{
    "http": {
        "http": 1,
        "http-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/http

http attributes

```
GET /axapi/v3/health/monitor/a/method/http
Reponse:
{
    "http": {
        "http": 1,
        "http-port": 1,
        "version2": 0,
        "http-expect": 0,
        "http-url": 0,
        "maintenance": 0,
        "http-kerberos-auth": 0,
        "uuid": "ad25f824-091f-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/http"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/http

http attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/http

http attributes

```
PUT /axapi/v3/health/monitor/a/method/http
Payload:
{
    "http": {
        "http": 1,
        "http-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/http

http attributes

```
DELETE /axapi/v3/health/monitor/a/method/http
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

http attributes

http

Description HTTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

http-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-kerberos-auth

Description Http Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Description: http-kerberos-kdc is a **JSON Block**. Please see below for *http-kerberos-kdc*

Type: Object

http-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-password-string

Description Specify password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

http-port

Description Specify HTTP Port (Specify port number (default 80))

Type: number

Range: 1-65534

Default: 80

http-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

http-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-response-code and http-text are mutually exclusive

http-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: http-text, http-response-code, and text-regex are mutually exclusive

http-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and http-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version2

Description Specify HTTP version2 (Specify http version 2)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-kerberos-kdc

Specification	Value
Type	*object*

http-kerberos-hostip

Description Kdc's hostname(length:1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: http-kerberos-hostip and http-kerberos-hostipv6 are mutually exclusive

http-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: http-kerberos-hostipv6 and http-kerberos-hostip are mutually exclusive

http-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

http-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

2.59.13 health monitor method https

HTTPS type

https Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	https
Element URI	/axapi/v3/health/monitor/{name}/method/https
Element Attributes	https_attributes
Partition Visibility	shared
Schema	`https schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/https

https attributes

```
POST /axapi/v3/health/monitor/a/method/https
Payload:
{
    "https": {
        "https": 1,
        "web-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/https

https attributes

```
GET /axapi/v3/health/monitor/a/method/https
Reponse:
{
    "https": {
        "https": 1,
        "web-port": 1,
        "disable-sslv2hello": 0,
        "sni": 0,
        "https-expect": 0,
        "https-url": 0,
        "maintenance": 0,
        "https-kerberos-auth": 0,
```

(continues on next page)

(continued from previous page)

```
        "uuid": "4b54593c-0920-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/https"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/https

https attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/https

https attributes

```
PUT /axapi/v3/health/monitor/a/method/https
Payload:
{
    "https": {
        "https": 1,
        "web-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/https

https attributes

```
DELETE /axapi/v3/health/monitor/a/method/https
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

https attributes

cert

Description Specify client certificate (Certificate name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

cert-key-shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv2hello

Description Disable SSLv2Hello for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-version

Description 'http-version2': HTTP version 2 for HTTPs; 'http-version3': HTTP version 3 for HTTPs;

Type: string

Supported Values: http-version2, http-version3

https

Description HTTPS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-host

Description Specify "Host:" header used in request (enclose IPv6 address in [])

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-kerberos-auth

Description Https Kerberos Auth

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-kerberos-kdc

Description: https-kerberos-kdc is a **JSON Block**. Please see below for *https-kerberos-kdc*

Type: Object

https-kerberos-realm

Description Specify realm of Kerberos server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

https-maintenance-code

Description Specify response code for maintenance (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

https-postdata

Description Specify the HTTP post data (Input post data here)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

https-postfile

Description Specify the HTTP post data (Input post data file name here)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

https-response-code

Description Specify response code range (e.g. 200,400-430) (Format is xx,xx-xx (xx between [100, 899])

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-response-code and https-text are mutually exclusive

https-server-cert-name

Description Expect Server Cert commonName

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

https-text

Description Specify text expected

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: https-text, https-response-code, and text-regex are mutually exclusive

https-url

Description Specify URL string, default is GET /

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

https-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

key

Description Specify client private key (Key name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

key-pass-phrase

Description Client private key password phrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-phrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text and maintenance-text-regex are mutually exclusive

maintenance-text-regex

Description Specify Regex text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: maintenance-text-regex and maintenance-text are mutually exclusive

post-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

post-type

Description 'postdata': Specify the HTTP post data; 'postfile': Specify the HTTP post data;

Type: string

Supported Values: postdata, postfile

response-code-regex

Description Specify response code range with Regex (code with Regex, such as [2-5][0-9][0-9])

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sni

Description Server Name Indication for HTTPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

text-regex

Description Specify text expected with Regex

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: text-regex and https-text are mutually exclusive

url-path

Description Specify URL path, default is "/"

Type: string

Format: string-rlx

Maximum Length: 500 characters

Maximum Length: 1 characters

url-type

Description 'GET': HTTP GET method; 'POST': HTTP POST method; 'HEAD': HTTP HEAD method;

Type: string

Supported Values: GET, POST, HEAD

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-port

Description Specify HTTPS port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

https-kerberos-kdc

Specification	Value
Type	*object*

https-kerberos-hostip

Description Kdc's hostname(length:1-31) or IP address

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: https-kerberos-hostip and https-kerberos-hostipv6 are mutually exclusive

https-kerberos-hostipv6

Description Server's IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: https-kerberos-hostipv6 and https-kerberos-hostip are mutually exclusive

https-kerberos-port

Description Specify the kdc port

Type: number

Range: 1-65535

https-kerberos-portv6

Description Specify the kdc port

Type: number

Range: 1-65535

2.59.14 health monitor method icmp

ICMP type

icmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/health/monitor/{name}/method/icmp
Element Attributes	icmp_attributes
Partition Visibility	shared
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

```
POST /axapi/v3/health/monitor/a/method/icmp
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "icmp": {
        "icmp": 1,
        "transparent": 1,
        "ipv6": "2003::1"
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

```
GET /axapi/v3/health/monitor/a/method/icmp
Reponse:
{
    "icmp": {
        "icmp": 1,
        "transparent": 1,
        "ipv6": "2003::1",
        "uuid": "081f4ce8-0921-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

```
PUT /axapi/v3/health/monitor/a/method/icmp
Payload:
{
    "icmp": {
        "icmp": 1,
        "transparent": 1,
        "ipv6": "2003::2"
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/icmp

icmp attributes

```
DELETE /axapi/v3/health/monitor/a/method/icmp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

icmp attributes

icmp

Description ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

ip

Description Specify IPv4 address of destination behind monitored node

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Specify IPv6 address of destination behind monitored node

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

transparent

Description Apply transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.15 health monitor method imap

IMAP type

imap Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	imap
Element URI	/axapi/v3/health/monitor/{name}/method/imap
Element Attributes	imap_attributes
Partition Visibility	shared
Schema	`imap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

```
POST /axapi/v3/health/monitor/a/method/imap
Payload:
{
    "imap": {
        "imap-password": 1,
        "imap": 1,
        "imap-port": 1,
        "imap-username": "a",
        "imap-password-string": "a",
        "pwd-auth": 1,
        "imap-plain": 1,
        "imap-cram-md5": 1,
        "imap-login": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

```
GET /axapi/v3/health/monitor/a/method/imap
Reponse:
```

(continues on next page)

(continued from previous page)


```
{
    "imap": {
        "imap": 1,
        "imap-port": 1,
        "imap-username": "a",
        "imap-password": 1,
        "imap-encrypted": "a5fpPrb2bGAaawA+r6Y4nKnQ/iE/
↪B0u1LXDteit5vY01iAVkZSzmMNvdRxuYYas/",
        "pwd-auth": 1,
        "imap-plain": 1,
        "imap-cram-md5": 1,
        "imap-login": 1,
        "uuid": "339fe42c-0921-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/imap"
    }
}
```


Modify Object

POST

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/imap

imap attributes

```
DELETE /axapi/v3/health/monitor/a/method/imap
Reponse:
```


```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

imap attributes

imap

Description IMAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-cram-md5

Description Challenge-response authentication mechanism

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

imap-login

Description Simple login

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 63 characters

Maximum Length: 1 characters

imap-plain

Description Plain text

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imap-port

Description Specify the IMAP port, default is 143 (Port Number (default 143))

Type: number

Range: 1-65534

Default: 143

imap-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

pwd-auth

Description Specify the Authentication method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.16 health monitor method kerberos-kdc

Kerberos KDC type

kerberos-kdc Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	kerberos-kdc
Element URI	/axapi/v3/health/monitor/{name}/method/kerberos-kdc
Element Attributes	kerberos-kdc_attributes
Partition Visibility	shared
Schema	`kerberos-kdc schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

```
POST /axapi/v3/health/monitor/a/method/kerberos-kdc
Payload:
{
    "kerberos-kdc": {
        "kerberos-cfg": {
            "kinit": 1,
            "kinit-pricipal-name": "a",
            "kinit-password": "a",
            "kinit-kdc": "a",
            "tcp-only": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

```
GET /axapi/v3/health/monitor/a/method/kerberos-kdc
Reponse:
{
    "kerberos-kdc": {
        "kerberos-cfg": {
            "kinit": 1,
            "kinit-pricipal-name": "a",
            "kinit-encrypted": "yNGzSlj6vLwvfP5lEdIDgp9/
↪0p6jrzTNG6L2lA7gTlpboZuZhYEo3Sy8d8EEdiK2",
            "kinit-kdc": "a",
            "tcp-only": 1
        },
        "uuid": "58af2b74-0921-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/kerberos-kdc"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/kerberos-kdc

kerberos-kdc attributes

```
DELETE /axapi/v3/health/monitor/a/method/kerberos-kdc
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

kerberos-kdc attributes

kerberos-cfg

Description: kerberos-cfg is a **JSON Block**. Please see below for *kerberos-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

kerberos-cfg

Specification	Value
Type	*object*

kadmin

Description Kerberos admin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kadmin, kinit, and kpasswd are mutually exclusive

kadmin-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kadmin-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kadmin-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kadmin-realm

Description Specify the realm

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kadmin-server

Description Specify the admin server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit

Description Kerberos KDC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kinit, kadmin, and kpasswd are mutually exclusive

kinit-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kinit-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kinit-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kinit-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd

Description Kerberos change passwd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: kpasswd, kinit, and kadmin are mutually exclusive

kpasswd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

kpasswd-kdc

Description Specify the kdc server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

kpasswd-password

Description Password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

kpasswd-pricipal-name

Description Specify the principal name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

kpasswd-server

Description Specify the Kerberos password server, host|ip [:port]

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-only

Description Specify the kerberos tcp only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.59.17 health monitor method ldap

LDAP type

ldap Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ldap
Element URI	/axapi/v3/health/monitor/{name}/method/ldap
Element Attributes	ldap_attributes
Partition Visibility	shared
Schema	`ldap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

```
POST /axapi/v3/health/monitor/a/method/ldap
Payload:
{
    "ldap": {
        "ldap": 1,
        "ldap-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

```
GET /axapi/v3/health/monitor/a/method/ldap
Reponse:
{
    "ldap": {
        "ldap": 1,
        "ldap-port": 1,
        "ldap-run-search": 0,
        "uuid": "7fdbedc2-0921-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/ldap"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

```
PUT /axapi/v3/health/monitor/a/method/ldap
Payload:
{
    "ldap": {
```

(continues on next page)

(continued from previous page)

```
        "ldap": 1,
        "ldap-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/ldap

ldap attributes

```
DELETE /axapi/v3/health/monitor/a/method/ldap
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ldap attributes

AcceptNotFound

Description Mark server up on receiving a not-found response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

AcceptResRef

Description Mark server up on receiving a search result reference response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

BaseDN

Description Specify LDAP DN distinguished name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap

Description LDAP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-binddn

Description Specify the distinguished name for bindRequest (LDAP DN distinguished name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ldap-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

ldap-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

ldap-port

Description Specify the LDAP port (Speciry port number, default is 389, or 636 if LDAP over SSL)

Type: number

Range: 1-65534

Default: 389

ldap-query

Description LDAP query to be excuted

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ldap-run-search

Description Specify a query to be executed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-security

Description 'overssl': Set LDAP over SSL; 'StartTLS': LDAP switch to TLS;

Type: string

Supported Values: overssl, StartTLS

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.18 health monitor method ntp

NTP type

ntp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ntp
Element URI	/axapi/v3/health/monitor/{name}/method/ntp
Element Attributes	ntp_attributes
Partition Visibility	shared
Schema	`ntp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

```
POST /axapi/v3/health/monitor/a/method/ntp
Payload:
{
    "ntp": {
        "ntp": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

```
GET /axapi/v3/health/monitor/a/method/ntp
Reponse:
{
    "ntp": {
        "ntp": 1,
        "ntp-port": 123,
        "uuid": "c9be743c-0921-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/ntp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

```
PUT /axapi/v3/health/monitor/a/method/ntp
Payload:
{
    "ntp": {
        "ntp": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/ntp

ntp attributes

```
DELETE /axapi/v3/health/monitor/a/method/ntp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

ntp attributes

ntp

Description NTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ntp-port

Description Specify the NTP port, default is 123 (Port Number (default 123))

Type: number

Range: 1-65534

Default: 123

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.19 health monitor method pop3

POP3 type

pop3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pop3
Element URI	/axapi/v3/health/monitor/{name}/method/pop3
Element Attributes	pop3_attributes
Partition Visibility	shared
Schema	`pop3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

```
POST /axapi/v3/health/monitor/a/method/pop3
Payload:
{
    "pop3": {
        "pop3": 1,
        "pop3-password": 1,
        "pop3-username": "a",
        "pop3-password-string": "a"
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

```
GET /axapi/v3/health/monitor/a/method/pop3
Reponse:
{
    "pop3": {
        "pop3": 1,
        "pop3-username": "a",
        "pop3-password": 1,
        "pop3-encrypted":
↪"hAlAHu9aIfU+VHrYI1SJijbPJxHqK9jXDsGkTWvcmz9LTuAxOB6Uu9wnhot8MRw9",
        "pop3-port": 110,
        "uuid": "eb66b112-0921-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/pop3"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/pop3

pop3 attributes

```
DELETE /axapi/v3/health/monitor/a/method/pop3
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

pop3 attributes

pop3

Description POP3 type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

pop3-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pop3-password-string

Description Specify the user password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

pop3-port

Description Specify the POP3 port, default is 110 (Port Number (default 110))

Type: number

Range: 1-65534

Default: 110

pop3-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.20 health monitor method quic

QUIC type

quic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	quic
Element URI	/axapi/v3/health/monitor/{name}/method/quic
Element Attributes	quic_attributes
Partition Visibility	shared
Schema	`quic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/quic

quic attributes

```
POST /axapi/v3/health/monitor/a/method/quic
Payload:
{
    "quic": {
        "quic": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/quic

quic attributes

```
GET /axapi/v3/health/monitor/a/method/quic
Reponse:
{
    "quic": {
        "quic": 1,
        "quic-port": 443,
        "uuid": "0dc87218-0922-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/quic"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/quic

quic attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/quic

quic attributes

```
PUT /axapi/v3/health/monitor/a/method/quic
Payload:
{
    "quic": {
        "quic": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/quic

quic attributes

```
DELETE /axapi/v3/health/monitor/a/method/quic
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

quic attributes

quic

Description QUIC type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic-port

Description Specify QUIC port (Port Number (default 443))

Type: number

Range: 1-65534

Default: 443

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.21 health monitor method radius

RADIUS type

radius Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	radius
Element URI	/axapi/v3/health/monitor/{name}/method/radius
Element Attributes	radius_attributes
Partition Visibility	shared
Schema	`radius schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

```
POST /axapi/v3/health/monitor/a/method/radius
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "radius": {
        "radius-username": "a",
        "radius": 1,
        "radius-password-string": "a",
        "radius-secret": "a",
        "radius-message-authenticator": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

```
GET /axapi/v3/health/monitor/a/method/radius
Reponse:
{
    "radius": {
        "radius": 1,
        "radius-username": "a",
        "radius-encrypted": "5KapBpb9Pz6IK9UWiMUxgXc/
↪v81AjDzMKDoqxnJ+g1CgBse0zJpvCUkw2nJRe4ij",
        "radius-secret-encrypted": "5KapBpb9Pz6IK9UWiMUxgXc/
↪v81AjDzMKDoqxnJ+g1CgBse0zJpvCUkw2nJRe4ij",
        "radius-message-authenticator": 1,
        "radius-port": 1812,
        "radius-expect": 0,
        "uuid": "2ea77b6e-0922-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/radius"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/radius

radius attributes

```
DELETE /axapi/v3/health/monitor/a/method/radius
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

radius attributes

radius

Description RADIUS type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-expect

Description Specify what you expect from the response message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-message-authenticator

Description message-authenticator type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

radius-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-port

Description Specify the RADIUS port, default is 1812 (Port number (default 1812))

Type: number

Range: 1-65534

Default: 1812

radius-response-code

Description Specify response code range (e.g. 2,4-7) (Format is xx,xx-xx (xx between [1, 13]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret

Description Configure shared secret of RADIUS server

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

radius-secret-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

radius-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.22 health monitor method rtsp

RTSP type

rtsp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rtsp
Element URI	/axapi/v3/health/monitor/{name}/method/rtsp
Element Attributes	rtsp_attributes
Partition Visibility	shared
Schema	`rtsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

```
POST /axapi/v3/health/monitor/a/method/rtsp
Payload:
{
    "rtsp": {
        "rtsp": 1,
        "rtspurl": "/a",
        "rtsp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

```
GET /axapi/v3/health/monitor/a/method/rtsp
Reponse:
{
    "rtsp": {
        "rtsp": 1,
        "rtspurl": "/a",
        "rtsp-port": 1,
        "uuid": "51c9a91e-0922-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/rtsp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

```
PUT /axapi/v3/health/monitor/a/method/rtsp
Payload:
{
    "rtsp": {
        "rtsp": 1,
        "rtspurl": "/ab",
        "rtsp-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/rtsp

rtsp attributes

```
DELETE /axapi/v3/health/monitor/a/method/rtsp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rtsp attributes

rtsp

Description RTSP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rtsp-port

Description Specify RTSP port, default is 554 (Port Number (default 554))

Type: number

Range: 1-65534

Default: 554

rtspurl

Description Specify URL string (Specify the path on the server)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.23 health monitor method sip

SIP type

sip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/health/monitor/{name}/method/sip
Element Attributes	sip_attributes
Partition Visibility	shared
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

```
POST /axapi/v3/health/monitor/a/method/sip
Payload:
{
    "sip": {
        "sip": 1,
```

(continues on next page)

(continued from previous page)

```
        "register": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

```
GET /axapi/v3/health/monitor/a/method/sip
Reponse:
{
    "sip": {
        "sip": 1,
        "register": 1,
        "sip-port": 5060,
        "sip-tcp": 0,
        "uuid": "74a6c1d8-0922-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/sip"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

```
PUT /axapi/v3/health/monitor/a/method/sip
Payload:
{
    "sip": {
        "sip": 1,
        "register": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/sip

sip attributes

```
DELETE /axapi/v3/health/monitor/a/method/sip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

sip attributes

expect-response-code

Description Specify accepted response codes (e.g. 200, 400-430, any) (Format is xxx,xxx-xxx,any (xxx between [100,899]))

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

register

Description Send SIP REGISTER message, default is to send OPTION message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip

Description SIP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sip-hostname

Description Specify the SIP hostname that used in request

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

sip-port

Description Specify the SIP port, default is 5060 (Port Number)

Type: number

Range: 1-65534

Default: 5060

sip-tcp

Description Use TCP for transmission, default is UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.24 health monitor method smtp

SMTP type

smtp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smtp
Element URI	/axapi/v3/health/monitor/{name}/method/smtp
Element Attributes	smtp_attributes
Partition Visibility	shared
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

```
POST /axapi/v3/health/monitor/a/method/smtp
Payload:
{
    "smtp": {
        "smtp-domain": "a",
        "smtp": 1,
        "smtp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

```
GET /axapi/v3/health/monitor/a/method/smtp
Reponse:
{
    "smtp": {
        "smtp": 1,
        "smtp-domain": "a",
        "smtp-port": 1,
        "smtp-starttls": 0,
        "uuid": "b7c1a12c-0922-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/smtp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

```
PUT /axapi/v3/health/monitor/a/method/smtp
Payload:
{
    "smtp": {
        "smtp-domain": "a",
        "smtp": 1,
        "smtp-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/smtp

smtp attributes

```
DELETE /axapi/v3/health/monitor/a/method/smtp
Reponse:
```

(continues on next page)

(continued from previous page)


```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```


smtp attributes

mail-from

Description Specify SMTP Sender

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rcpt-to

Description Specify SMTP Receiver

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

smtp

Description SMTP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smtp-domain

Description Specify domain name of ‘helo’ command

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

smtp-port

Description Specify SMTP port, default is 25 (Port Number (default 25))

Type: number

Range: 1-65534

Default: 25

smtp-starttls

Description Check the STARTTLS support at helo response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.25 health monitor method snmp

SNMP type

snmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	snmp
Element URI	/axapi/v3/health/monitor/{name}/method/snmp
Element Attributes	snmp_attributes
Partition Visibility	shared
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

```
POST /axapi/v3/health/monitor/a/method/snmp
Payload:
{
    "snmp": {
        "snmp": 1,
        "snmp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

```
GET /axapi/v3/health/monitor/a/method/snmp
Reponse:
{
    "snmp": {
        "snmp": 1,
        "snmp-port": 1,
        "community": "public",
        "uuid": "f1d8ddda-0922-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/snmp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

```
PUT /axapi/v3/health/monitor/a/method/snmp
Payload:
{
    "snmp": {
        "snmp": 1,
        "snmp-port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/snmp

snmp attributes

```
DELETE /axapi/v3/health/monitor/a/method/snmp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

snmp attributes

community

Description Specify SNMP community, default is "public" (Community String)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: public

oid

Description: oid is a **JSON Block**. Please see below for *oid*

Type: Object

operation

Description: operation is a **JSON Block**. Please see below for *operation*

Type: Object

snmp

Description SNMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp-port

Description Specify SNMP port, default is 161 (Port Number)

Type: number

Range: 1-65534

Default: 161

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oid

Specification	Value
Type	*object*

asn

Description Specify the format in ASN.1 style

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: asn and mib are mutually exclusive

mib

Description 'sysDescr': The MIB-2 OID of system description, 1.1.0; 'sysUpTime': The MIB-2 OID of system up time, 1.3.0; 'sysName': The MIB-2 OID of system nume, 1.5.0;

Type: string

Supported Values: sysDescr, sysUpTime, sysName

Mutual Exclusion: mib and asn are mutually exclusive

operation

Specification	Value
Type	*object*

oper-type

Description 'getnext': Get-Next-Request command; 'get': Get-Request command;

Type: string

Supported Values: getnext, get

2.59.26 health monitor method tacplus

TACACS+ type

tacplus Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tacplus
Element URI	/axapi/v3/health/monitor/{name}/method/tacplus
Element Attributes	tacplus_attributes
Partition Visibility	shared
Schema	`tacplus schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

```
POST /axapi/v3/health/monitor/a/method/tacplus
Payload:
{
    "tacplus": {
        "tacplus-username": "a",
        "tacplus": 1,
        "tacplus-password": 1,
        "tacplus-secret": 1,
        "tacplus-password-string": "a",
        "tacplus-secret-string": "a",
        "tacplus-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

```
GET /axapi/v3/health/monitor/a/method/tacplus
Reponse:
{
    "tacplus": {
        "tacplus": 1,
        "tacplus-username": "a",
        "tacplus-password": 1,
        "tacplus-encrypted": "/WALlzWzaBEqZq5QTI8Q7TR9/
↪Z85bB+jgQZqWrLN3M5rTMAz1fZUYAUlLPNv9ijO",
        "tacplus-secret": 1,
        "secret-encrypted": "/WALlzWzaBEqZq5QTI8Q7TR9/
↪Z85bB+jgQZqWrLN3M5rTMAz1fZUYAUlLPNv9ijO",
```

(continues on next page)

(continued from previous page)

```
        "tacplus-port": 1,
        "tacplus-type": "inbound-ascii-login",
        "uuid": "33927a2e-0923-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/tacplus"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/tacplus

tacplus attributes

```
DELETE /axapi/v3/health/monitor/a/method/tacplus
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tacplus attributes

secret-encrypted

Description

tacplus

Description TACACS+ type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

tacplus-password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-password-string

Description Configure password, '' means empty password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-port

Description Specify the TACACS+ port, default 49 (Port number (default 49))

Type: number

Range: 1-65534

Default: 49

tacplus-secret

Description Specify the shared secret of TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacplus-secret-string

Description Shared Crypto Key

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

tacplus-type

Description 'inbound-ascii-login': Specify Inbound ASCII Login type;

Type: string

Supported Values: inbound-ascii-login

Default: inbound-ascii-login

tacplus-username

Description Specify the username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.27 health monitor method tcp

TCP type

tcp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/health/monitor/{name}/method/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

```
POST /axapi/v3/health/monitor/a/method/tcp
Payload:
{
    "tcp": {
        "method-tcp": 1,
        "tcp-port": 1,
        "port-halfopen": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

```
GET /axapi/v3/health/monitor/a/method/tcp
Reponse:
{
    "tcp": {
        "method-tcp": 1,
        "tcp-port": 1,
        "port-halfopen": 1,
        "uuid": "61fc2c52-0923-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

```
PUT /axapi/v3/health/monitor/a/method/tcp
Payload:
{
    "tcp": {
        "method-tcp": 1,
        "tcp-port": 1,
        "port-send": "abcd",
        "maintenance": 1,
        "maintenance-text": "abcd",
        "port-resp": {
            "port-contains": "qwe"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/tcp

tcp attributes

```
DELETE /axapi/v3/health/monitor/a/method/tcp
```

(continues on next page)

(continued from previous page)

```
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tcp attributes

maintenance

Description Specify response text for maintenance

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maintenance-text

Description Specify text for maintenance

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

method-tcp

Description TCP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-halfopen

Description Set TCP SYN check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: port-halfopen and port-send are mutually exclusive

port-resp

Description: port-resp is a **JSON Block**. Please see below for *port-resp*

Type: Object

port-send

Description Send a string to server (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

Mutual Exclusion: port-send and port-halfopen are mutually exclusive

tcp-port

Description Specify TCP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-resp

Specification	Value
Type	*object*

port-contains

Description Mark server up if response string contains string (Specify the string)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.59.28 health monitor method udp

UDP type

udp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/health/monitor/{name}/method/udp
Element Attributes	udp_attributes
Partition Visibility	shared
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

```
POST /axapi/v3/health/monitor/a/method/udp
Payload:
{
    "udp": {
        "udp": 1,
        "udp-port": 1
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

```
GET /axapi/v3/health/monitor/a/method/udp
Reponse:
{
    "udp": {
        "udp": 1,
        "udp-port": 1,
        "force-up-with-single-healthcheck": 0,
        "uuid": "93c5a66e-0923-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/method/udp"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

```
PUT /axapi/v3/health/monitor/a/method/udp
Payload:
{
    "udp": {
        "udp": 1,
        "udp-port": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/method/udp

udp attributes

```
DELETE /axapi/v3/health/monitor/a/method/udp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

udp attributes

force-up-with-single-healthcheck

Description Force Up with no response at the first time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description UDP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp-port

Description Specify UDP port (Specify port number)

Type: number

Range: 1-65534

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.29 health monitor proxy-header

Proxy header command

proxy-header Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	proxy-header
Element URI	/axapi/v3/health/monitor/{name}/proxy-header
Element Attributes	proxy-header_attributes
Partition Visibility	shared
Schema	`proxy-header schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/monitor/{name}/proxy-header

proxy-header attributes

```
POST /axapi/v3/health/monitor/a/proxy-header
Payload:
{
    "proxy-header": {
        "proxy-header-ver": "v1"
    }
}
```

Get Object

GET

/axapi/v3/health/monitor/{name}/proxy-header

proxy-header attributes

```
GET /axapi/v3/health/monitor/a/proxy-header
Reponse:
{
    "proxy-header": {
        "proxy-header-ver": "v1",
        "uuid": "b5d75450-0923-11f0-82b5-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/monitor/a/proxy-header"
    }
}
```

Modify Object

POST

/axapi/v3/health/monitor/{name}/proxy-header

proxy-header attributes

Replace Object

PUT

/axapi/v3/health/monitor/{name}/proxy-header

proxy-header attributes

```
PUT /axapi/v3/health/monitor/a/proxy-header
Payload:
{
    "proxy-header": {
        "proxy-header-ver": "v1"
    }
}
```

Delete Object

DELETE

/axapi/v3/health/monitor/{name}/proxy-header

proxy-header attributes

```
DELETE /axapi/v3/health/monitor/a/proxy-header
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

proxy-header attributes

proxy-header-ver

Description 'v1': version 1; 'v2': version 2; (version number)

Type: string

Supported Values: v1, v2

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.59.30 health source-nat

Define Source NAT for health monitor

source-nat Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	source-nat
Element URI	/axapi/v3/health/source-nat
Element Attributes	source-nat_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/health/source-nat/stats
Schema	`source-nat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/source-nat

source-nat attributes

```
POST /axapi/v3/health/source-nat
Payload:
{
    "source-nat": {
        "source-nat-pool": "a"
    }
}
```

Get Object

GET

/axapi/v3/health/source-nat

source-nat attributes

```
GET /axapi/v3/health/source-nat
Reponse:
{
    "source-nat": {
        "source-nat-pool": "a",
        "smart-nat-precedence": 0,
        "enable-vrrp-a-mode": 0,
        "uuid": "9f2ff5ee-091a-11f0-b37c-7dd5c2404b7e",
        "a10-url": "/axapi/v3/health/source-nat"
    }
}
```

Modify Object

POST

/axapi/v3/health/source-nat

source-nat attributes

Replace Object

PUT

/axapi/v3/health/source-nat

source-nat attributes

```
PUT /axapi/v3/health/source-nat
Payload:
{
    "source-nat": {
        "source-nat-pool": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/health/source-nat

source-nat attributes

```
DELETE /axapi/v3/health/source-nat
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

source-nat attributes

enable-vrrp-a-mode

Description Forward health check by active device only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface number

Type: number

Format: interface

interface

Description 'ethernet': ethernet; 'trunk': trunk; 've': ve;

Type: string

Supported Values: ethernet, trunk, ve

sampling-enable

Type: List

smart-nat-precedence

Description Use smart nat when resourece is presented in virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smart-nat-vrid

Description Smart nat VRID

Type: number

Range: 1-31

source-nat-pool

Description Use source nat for all health check (nat pool)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

source-nat-pool-v6

Description Use ipv6 source nat for all health check (nat pool)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

trunk

Description Trunk interface number

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Range: 2-4094

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'act_recv_from_sby': Packets received from standby; 'act_send_to_sby': Packets sent to standby; 'sby_recv_from_act': Packets received from active; 'sby_send_to_act': Packets sent to active; 'sby_recv_from_act_err': Packets received from active error; 'recv_from_kernel': Packets received from kernel; 'send_to_kernel': Packets sent to kernel; 'send_to_kernel_err': Packets sent to kernel error; 'sby_no_peer': Peer not found on standby; 'dcmsg_err': DCMSG error; 'no_slb_object': SLB object not found; 'smart_nat_init_port_err': Smart NAT port initialization error; 'smart_nat_init_inst_err': Smart NAT instance initialization error; 'smart_nat_rserver_route_err': Smart NAT rserver route update error; 'smart_nat_rserver_ip_err': Smart NAT rserver ip update error; 'nat_resource_err': NAT resource error;

Type: string

Supported Values: all, act_recv_from_sby, act_send_to_sby, sby_recv_from_act, sby_send_to_act, sby_recv_from_act_err, recv_from_kernel, send_to_kernel, send_to_kernel_err, sby_no_peer, dcmsg_err, no_slb_object, smart_nat_init_port_err, smart_nat_init_inst_err, smart_nat_rserver_route_err, smart_nat_rserver_ip_err, nat_resource_err, frag_err

2.59.31 health source-nat stats

Statistics for the object source-nat

source-nat Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	source-nat
Element URI	/axapi/v3/health/source-nat/stats
Element Attributes	source-nat_attributes
Partition Visibility	None
Schema	`source-nat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/health/source-nat/stats

source-nat attributes

Get Object

GET

/axapi/v3/health/source-nat/stats

source-nat attributes

Modify Object

POST

/axapi/v3/health/source-nat/stats

source-nat attributes

Replace Object

PUT

/axapi/v3/health/source-nat/stats

source-nat attributes

Delete Object

DELETE

/axapi/v3/health/source-nat/stats

source-nat attributes

source-nat attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

act_recv_from_sby

Description Packets received from standby

Type: number

Format: counter

act_send_to_sby

Description Packets sent to standby

Type: number

Format: counter

dcmsg_err

Description DCMSG error

Type: number

Format: counter

frag_err

Description Fragmentation error

Type: number

Format: counter

nat_resource_err

Description NAT resource error

Type: number

Format: counter

no_slb_object

Description SLB object not found

Type: number

Format: counter

recv_from_kernel

Description Packets received from kernel

Type: number

Format: counter

sby_no_peer

Description Peer not found on standby

Type: number

Format: counter

sby_recv_from_act

Description Packets received from active

Type: number

Format: counter

sby_recv_from_act_err

Description Packets received from active error

Type: number

Format: counter

sby_send_to_act

Description Packets sent to active

Type: number

Format: counter

send_to_kernel

Description Packets sent to kernel

Type: number

Format: counter

send_to_kernel_err

Description Packets sent to kernel error

Type: number

Format: counter

smart_nat_init_inst_err

Description Smart NAT instance initialization error

Type: number

Format: counter

smart_nat_init_port_err

Description Smart NAT port initialization error

Type: number

Format: counter

smart_nat_rserver_ip_err

Description Smart NAT rserver ip update error

Type: number

Format: counter

smart_nat_rserver_route_err

Description Smart NAT rserver route update error

Type: number

Format: counter

2.60 hostname

Objects:

2.60.1 hostname

Set system's network name

hostname Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hostname
Element URI	/axapi/v3/hostname
Element Attributes	hostname_attributes
Partition Visibility	shared
Schema	`hostname schema`

Operations Allowed:

Create Object

POST

/axapi/v3/hostname

hostname attributes

```
POST /axapi/v3/hostname
Payload:
{
    "hostname": {
        "value": "a"
    }
}
```

Get Object

GET

/axapi/v3/hostname

hostname attributes

```
GET /axapi/v3/hostname
Reponse:
{
    "hostname": {
        "value": "a",
        "uuid": "89900470-b6a6-11ef-b71b-ae71681635d0",
        "a10-url": "/axapi/v3/hostname"
    }
}
```

Modify Object

POST

/axapi/v3/hostname

hostname attributes

Replace Object

PUT

/axapi/v3/hostname

hostname attributes

```
PUT /axapi/v3/hostname
Payload:
{
    "hostname": {
        "value": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/hostname

hostname attributes

```
DELETE /axapi/v3/hostname
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

hostname attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description This System's Network Name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

2.61 hsm

Objects:

2.61.1 hsm

Hardware Security Module commands

hsm Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	hsm
Element URI	/axapi/v3/hsm
Element Attributes	hsm_attributes
Partition Visibility	shared
Schema	`hsm schema`

Operations Allowed:

Get Object

GET

/axapi/v3/hsm

hsm_attributes

hsm attributes

template-list

Type: List

Reference Object: */axapi/v3/hsm/template/{template-name}*

template-list

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually (This is an A10 reserved keyword) (The ENCRYPTED password string)

enroll-timeout

Description Specify Enroll Timeout

Type: number

Range: 10-1024

health-check-interval

Description Specify Thales HSM Health Check Interval

Type: number

Range: 3-60

hsm-dev

Type: List

password

Description Specify HSM Passphrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-string

Description Password (minimum 4 characters)

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 4 characters

protection

Description Specify Protection Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protection-module

Description Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: protection-module, protection-ocs, and softcard are mutually exclusive

protection-ocs

Description Operator Card Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: protection-ocs, protection-module, and softcard are mutually exclusive

protection-softcard-hash

Description Hash

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

rfs-ip

Description Specify Thales Remote File System

Type: string

Format: ipv4-address

rfs-port

Description Specify Port

Type: number

Range: 1-65535

sec-world

Description Security World Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

softcard

Description Softcard

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: softcard, protection-module, and protection-ocs are mutually exclusive

softhsm-enum

Description 'softHSM': software implementation of a cryptographic store; 'thalesHSM': Thales HSM;

Type: string

Supported Values: softHSM, thalesHSM

template-name

Description Specify Template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

worker

Description Specify number of workers for each data CPU

Type: number

Range: 1-31

template-list_hsm-dev

Specification	Value
Type	*list*
Block object keys	

hsm-ip

Description Specify HSM Device IP Address

Type: string

Format: ipv4-address

hsm-port

Description Specify Port

Type: number

Range: 1-65535

hsm-priority

Description Specify Priority

Type: number

Range: 1-100

2.61.2 hsm rfs-sync

Sync with RFS server

rfs-sync Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rfs-sync
Element URI	/axapi/v3/hsm/rfs-sync
Element Attributes	rfs-sync_attributes
Partition Visibility	None
Schema	`rfs-sync schema`

Operations Allowed:

Create Object

POST

/axapi/v3/hsm/rfs-sync

rfs-sync attributes

Get Object

GET

/axapi/v3/hsm/rfs-sync

rfs-sync attributes

Modify Object

POST

/axapi/v3/hsm/rfs-sync

rfs-sync attributes

rfs-sync attributes

2.61.3 hsm template

HSM Template

template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*template-name*
Collection Name	*template-list*
Collection URI	/axapi/v3/hsm/template
Element Name	template
Element URI	/axapi/v3/hsm/template/{template-name}
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/hsm/template

template attributes

```
POST /axapi/v3/hsm/template/
Payload:
{
    "template": {
        "softhsm-enum": "thalesHSM",
        "template-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/hsm/template

template attributes

Get Object

GET

/axapi/v3/hsm/template/{template-name}

template attributes

```
GET /axapi/v3/hsm/template/a
Reponse:
{
    "template": {
        "template-name": "a",
        "softhsm-enum": "thalesHSM",
        "protection": 0,
        "password": 0,
        "uuid": "dfede9e0-b6c9-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/hsm/template/a"
    }
}
```

Get List

GET

/axapi/v3/hsm/template

template-list

Modify Object

POST

/axapi/v3/hsm/template/{template-name}

template attributes

Replace Object

PUT

/axapi/v3/hsm/template/{template-name}

template attributes

```
PUT /axapi/v3/hsm/template/a
Payload:
{
    "template": {
        "softhsm-enum": "thalesHSM",
        "template-name": "a",
        "hsm-dev": [
            {
                "hsm-ip": "3.3.3.4"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/hsm/template

template-list

Delete Object

DELETE

/axapi/v3/hsm/template/{template-name}

template attributes

```
DELETE /axapi/v3/hsm/template/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

encrypted

Description Do NOT use this option manually (This is an A10 reserved keyword) (The ENCRYPTED password string)

enroll-timeout

Description Specify Enroll Timeout

Type: number

Range: 10-1024

health-check-interval

Description Specify Thales HSM Health Check Interval

Type: number

Range: 3-60

hsm-dev

Type: List

password

Description Specify HSM Passphrase

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-string

Description Password (minimum 4 characters)

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 4 characters

protection

Description Specify Protection Method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protection-module

Description Module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: protection-module, protection-ocs, and softcard are mutually exclusive

protection-ocs

Description Operator Card Set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: protection-ocs, protection-module, and softcard are mutually exclusive

protection-softcard-hash

Description Hash

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

rfs-ip

Description Specify Thales Remote File System

Type: string

Format: ipv4-address

rfs-port

Description Specify Port

Type: number

Range: 1-65535

sec-world

Description Security World Name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

softcard

Description Softcard

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: softcard, protection-module, and protection-ocs are mutually exclusive

softhsm-enum

Description 'softHSM': software implementation of a cryptographic store; 'thalesHSM': Thales HSM;

Type: string

Supported Values: softHSM, thalesHSM

template-name

Description Specify Template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

worker

Description Specify number of workers for each data CPU

Type: number

Range: 1-31

hsm-dev

Specification	Value
Type	*list*
Block object keys	

hsm-ip

Description Specify HSM Device IP Address

Type: string

Format: ipv4-address

hsm-port

Description Specify Port

Type: number

Range: 1-65535

hsm-priority

Description Specify Priority

Type: number

Range: 1-100

2.62 import-periodic

Objects:

2.62.1 import-periodic

Get files from remote site periodically

import-periodic Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	import-periodic
Element URI	/axapi/v3/import-periodic
Element Attributes	import-periodic_attributes
Partition Visibility	shared
Schema	`import-periodic schema`

Operations Allowed:

Get Object

GET

/axapi/v3/import-periodic

import-periodic_attributes

import-periodic attributes

aflex-list

Type: List

Reference Object: */axapi/v3/import-periodic/aflex/{aflex}*

auth-jwks-list

Type: List

Reference Object: */axapi/v3/import-periodic/auth-jwks/{auth-jwks}*

auth-portal-list

Type: List

Reference Object: */axapi/v3/import-periodic/auth-portal/{auth-portal}*

bw-list-list

Type: List

Reference Object: */axapi/v3/import-periodic/bw-list/{bw-list}*

ca-cert-list

Type: List

Reference Object: */axapi/v3/import-periodic/ca-cert/{ca-cert}*

class-list-convert-list

Type: List

Reference Object: */axapi/v3/import-periodic/class-list-convert/{class-list-convert}*

class-list-list

Type: List

Reference Object: */axapi/v3/import-periodic/class-list/{class-list}*

dnssec-dnskey-list

Type: List

Reference Object: */axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}*

dnssec-ds-list

Type: List

Reference Object: */axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}*

domain-list-list

Type: List

Reference Object: */axapi/v3/import-periodic/domain-list/{domain-list}*

geo-location-list

Type: List

Reference Object: */axapi/v3/import-periodic/geo-location/{geo-location}*

local-uri-file-list

Type: List

Reference Object: */axapi/v3/import-periodic/local-uri-file/{local-uri-file}*

policy-list

Type: List

Reference Object: /axapi/v3/import-periodic/policy/{policy}

rpz-list

Type: List

Reference Object: */axapi/v3/import-periodic/rpz/{rpz}*

ssl-cert-key-list

Type: List

Reference Object: */axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}*

ssl-cert-list

Type: List

Reference Object: */axapi/v3/import-periodic/ssl-cert/{ssl-cert}*

ssl-crl-list

Type: List

Reference Object: */axapi/v3/import-periodic/ssl-crl/{ssl-crl}*

ssl-key-list

Type: List

Reference Object: */axapi/v3/import-periodic/ssl-key/{ssl-key}*

thales-kmdata-list

Type: List

Reference Object: */axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}*

thales-secworld-list

Type: List

Reference Object: */axapi/v3/import-periodic/thales-secworld/{thales-secworld}*

tsig-list

Type: List

Reference Object: */axapi/v3/import-periodic/tsig/{tsig}*

wsdl-list

Type: List

Reference Object: */axapi/v3/import-periodic/wsdl/{wsdl}*

xml-schema-list

Type: List

Reference Object: */axapi/v3/import-periodic/xml-schema/{xml-schema}*

domain-list-list

Specification	Value
Type	*list*
Block object keys	

domain-list

Description Domain List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-list

Specification	Value
Type	*list*
Block object keys	

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

encrypted

Description The password for certificate file (pfx type only)

period

Description Specify the period in second

Type: number

Range: 60-31536000

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

ssl-cert

Description SSL Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-list

Specification	Value
Type	*list*
Block object keys	

geo-location

Description Geo-location CSV File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wsdl-list

Specification	Value
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wsdl

Description Web Services Definition Language File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rpz-list

Specification	Value
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

remote-file-zone-transfer

Description profile name for remote url

Type: string

Format: url

rpz

Description Response Policy Zone File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-transfer

Description 'zone-transfer': zone-transfer;

Type: string

Supported Values: zone-transfer

class-list-convert-list

Specification	Value
Type	*list*
Block object keys	

class-list-convert

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list-type

Description 'ac': ac; 'ipv4': ipv4; 'ipv6': ipv6; 'string': string; 'string-case-insensitive': string-case-insensitive;

Type: string

Supported Values: ac, ipv4, ipv6, string, string-case-insensitive

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xml-schema-list

Specification	Value
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xml-schema

Description XML-Schema File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

aflex-list

Specification	Value
Type	*list*
Block object keys	

aflex

Description aFleX Script Source File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dnssec-dnskey-list

Specification	Value
Type	*list*
Block object keys	

dnssec-dnskey

Description DNSSEC DNSKEY(KSK) file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-key-list

Specification	Value
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

secured

Description Mark keys as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-key

Description 'bulk': import an archive file;

Type: string

Supported Values: bulk

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

thales-kmdata-list

Specification	Value
Type	*list*
Block object keys	

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

thales-kmdata

Description import Thales Kmdata files - in .tgz format that has all files needed by AX

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-key-list

Specification	Value
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

secured

Description Mark as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-key

Description SSL Key File(enter bulk when import an archive file)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-uri-file-list

Specification	Value
Type	*list*
Block object keys	

local-uri-file

Description Local URI files for http response

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-list

Specification	Value
Type	*list*
Block object keys	

background

Description background mode for importing class-list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

class-list

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bw-list-list

Specification	Value
Type	*list*
Block object keys	

bw-list

Description Black white List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-crl-list

Specification	Value
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

ssl-crl

Description SSL Crl File

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-jwks-list

Specification	Value
Type	*list*
Block object keys	

auth-jwks

Description JSON web key

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tsig-list

Specification	Value
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

tsig

Description Transaction SIGnatures Key File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auth-portal-list

Specification	Value
Type	*list*
Block object keys	

auth-portal

Description Portal file for http authentication

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list

Specification	Value
Type	*list*
Block object keys	

period

Description Specify the period in second

Type: number

Range: 60-31536000

policy

Description WAF policy File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

thales-secworld-list

Specification	Value
Type	*list*
Block object keys	

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

thales-secworld

Description import Thales security world files - in .tgz format that has all files needed by AX

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dnssec-ds-list

Specification	Value
Type	*list*
Block object keys	

dnssec-ds

Description DNSSEC DS file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ca-cert-list

Specification	Value
Type	*list*
Block object keys	

ca-cert

Description SSL CA Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

certificate-type

Description ‘pem’: pem; ‘der’: der; ‘pfx’: pfx; ‘p7b’: p7b;

Type: string

Supported Values: pem, der, pfx, p7b

encrypted

Description The password for certificate file (pfx type only)

period

Description Specify the period in second

Type: number

Range: 60-31536000

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.2 import-periodic aflex

aFleX Script Source File

aflex Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*aflex*
Collection Name	*aflex-list*
Collection URI	/axapi/v3/import-periodic/aflex
Element Name	aflex
Element URI	/axapi/v3/import-periodic/aflex/{aflex}
Element Attributes	aflex_attributes
Partition Visibility	shared
Schema	`aflex schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/aflex

aflex attributes

```
POST /axapi/v3/import-periodic/aflex/
Payload:
{
    "aflex": {
        "aflex": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/aflex

aflex attributes

Get Object

GET

/axapi/v3/import-periodic/aflex/{aflex}

aflex attributes

```
GET /axapi/v3/import-periodic/aflex/a
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "aflex": {
        "aflex": "a",
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "922565b4-0938-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/aflex/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/aflex

aflex-list

Modify Object

POST

/axapi/v3/import-periodic/aflex/{aflex}

aflex attributes

Replace Object

PUT

/axapi/v3/import-periodic/aflex/{aflex}

aflex attributes

```
PUT /axapi/v3/import-periodic/aflex/a
Payload:
{
    "aflex": {
        "aflex": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/aflex

aflex-list

Delete Object

DELETE

/axapi/v3/import-periodic/aflex/{aflex}

aflex attributes

```
DELETE /axapi/v3/import-periodic/aflex/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

aflex-list

aflex-list is **JSON List** of *aflex attributes*

aflex-list : [

{ *aflex attributes* },

{ *aflex attributes* },

...

]

aflex attributes

aflex

Description aFleX Script Source File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.3 import-periodic auth-jwks

JSON web key

auth-jwks Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*auth-jwks*
Collection Name	*auth-jwks-list*
Collection URI	/axapi/v3/import-periodic/auth-jwks
Element Name	auth-jwks
Element URI	/axapi/v3/import-periodic/auth-jwks/{auth-jwks}
Element Attributes	auth-jwks_attributes
Partition Visibility	shared
Schema	`auth-jwks schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/auth-jwks

auth-jwks attributes

```
POST /axapi/v3/import-periodic/auth-jwks/
Payload:
{
    "auth-jwks": {
        "auth-jwks": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/auth-jwks

auth-jwks attributes

Get Object

GET

/axapi/v3/import-periodic/auth-jwks/{auth-jwks}

auth-jwks attributes

```
GET /axapi/v3/import-periodic/auth-jwks/a
Reponse:
{
    "auth-jwks": {
        "auth-jwks": "a",
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "e00ffd00-0935-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/auth-jwks/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/auth-jwks

auth-jwks-list

Modify Object

POST

/axapi/v3/import-periodic/auth-jwks/{auth-jwks}

auth-jwks attributes

Replace Object

PUT

/axapi/v3/import-periodic/auth-jwks/{auth-jwks}

auth-jwks attributes

```
PUT /axapi/v3/import-periodic/auth-jwks/a
Payload:
{
    "auth-jwks": {
        "auth-jwks": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/auth-jwks

auth-jwks-list

Delete Object

DELETE

/axapi/v3/import-periodic/auth-jwks/{auth-jwks}

auth-jwks attributes

```
DELETE /axapi/v3/import-periodic/auth-jwks/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

auth-jwks-list

auth-jwks-list is **JSON List** of *auth-jwks attributes*

auth-jwks-list : [

{ *auth-jwks attributes* },

{ *auth-jwks attributes* },

...

]

auth-jwks attributes

auth-jwks

Description JSON web key

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.4 import-periodic auth-portal

Portal file for http authentication

auth-portal Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*auth-portal*
Collection Name	*auth-portal-list*
Collection URI	/axapi/v3/import-periodic/auth-portal
Element Name	auth-portal
Element URI	/axapi/v3/import-periodic/auth-portal/{auth-portal}
Element Attributes	auth-portal_attributes
Partition Visibility	shared
Schema	`auth-portal schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/auth-portal

auth-portal attributes

```
POST /axapi/v3/import-periodic/auth-portal/
Payload:
{
    "auth-portal": {
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-auth-portal.zip",
        "auth-portal": "a",
```

(continues on next page)

(continued from previous page)

```
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/auth-portal

auth-portal attributes

Get Object

GET

/axapi/v3/import-periodic/auth-portal/{auth-portal}

auth-portal attributes

```
GET /axapi/v3/import-periodic/auth-portal/a
Reponse:
{
    "auth-portal": {
        "auth-portal": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-auth-portal.zip",
        "period": 60,
        "uuid": "fd007318-0935-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/auth-portal/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/auth-portal

auth-portal-list

Modify Object

POST

/axapi/v3/import-periodic/auth-portal/{auth-portal}

auth-portal attributes

Replace Object

PUT

/axapi/v3/import-periodic/auth-portal/{auth-portal}

auth-portal attributes

```
PUT /axapi/v3/import-periodic/auth-portal/a
Payload:
{
    "auth-portal": {
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-auth-portal.zip",
        "auth-portal": "a",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/auth-portal

auth-portal-list

Delete Object

DELETE

/axapi/v3/import-periodic/auth-portal/{auth-portal}

auth-portal attributes

```
DELETE /axapi/v3/import-periodic/auth-portal/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

auth-portal-list

auth-portal-list is **JSON List** of *auth-portal attributes*

auth-portal-list : [

{ *auth-portal attributes* },

{ *auth-portal attributes* },

...

]

auth-portal attributes

auth-portal

Description Portal file for http authentication

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.5 import-periodic bw-list

Black white list files

bw-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*bw-list*
Collection Name	*bw-list-list*
Collection URI	/axapi/v3/import-periodic/bw-list
Element Name	bw-list
Element URI	/axapi/v3/import-periodic/bw-list/{bw-list}
Element Attributes	bw-list_attributes
Partition Visibility	shared
Schema	`bw-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/bw-list

bw-list attributes

```
POST /axapi/v3/import-periodic/bw-list/
Payload:
{
    "bw-list": {
        "bw-list": "a",
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-bw-list.txt",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/bw-list

bw-list attributes

Get Object

GET

/axapi/v3/import-periodic/bw-list/{bw-list}

bw-list attributes

```
GET /axapi/v3/import-periodic/bw-list/a
Reponse:
{
    "bw-list": {
        "bw-list": "a",
```

(continues on next page)

(continued from previous page)

```
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-bw-list.txt",
        "period": 60,
        "uuid": "1f1fac7a-0936-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/bw-list/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/bw-list

bw-list-list

Modify Object

POST

/axapi/v3/import-periodic/bw-list/{bw-list}

bw-list attributes

Replace Object

PUT

/axapi/v3/import-periodic/bw-list/{bw-list}

bw-list attributes

```
PUT /axapi/v3/import-periodic/bw-list/a
Payload:
{
    "bw-list": {
        "bw-list": "a",
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-bw-list.txt",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/bw-list

bw-list-list

Delete Object

DELETE

/axapi/v3/import-periodic/bw-list/{bw-list}

bw-list attributes

```
DELETE /axapi/v3/import-periodic/bw-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bw-list-list

bw-list-list is **JSON List** of *bw-list attributes*

bw-list-list : [

{ *bw-list attributes* },

{ *bw-list attributes* },

...

]

bw-list attributes

bw-list

Description Black white List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.6 import-periodic ca-cert

SSL CA Cert File(enter bulk when import an archive file)

ca-cert Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ca-cert*
Collection Name	*ca-cert-list*
Collection URI	/axapi/v3/import-periodic/ca-cert
Element Name	ca-cert
Element URI	/axapi/v3/import-periodic/ca-cert/{ca-cert}
Element Attributes	ca-cert_attributes
Partition Visibility	shared
Schema	`ca-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ca-cert

ca-cert attributes

```
POST /axapi/v3/import-periodic/ca-cert/
Payload:
{
    "ca-cert": {
        "ca-cert": "a",
        "certificate-type": "pem",
        "pfx-password": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ca-cert

ca-cert attributes

Get Object

GET

/axapi/v3/import-periodic/ca-cert/{ca-cert}

ca-cert attributes

```
GET /axapi/v3/import-periodic/ca-cert/a
Reponse:
{
    "ca-cert": {
        "ca-cert": "a",
        "certificate-type": "pem",
        "encrypted": "aerHDZ17BWNFblnQNe/gWjyhVI/hSJheKzcPAzxttB51O9AzNG8MRtEGPwIl6vZt",
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "43e5abf4-0936-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/ca-cert/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ca-cert

ca-cert-list

Modify Object

POST

/axapi/v3/import-periodic/ca-cert/{ca-cert}

ca-cert attributes

Replace Object

PUT

/axapi/v3/import-periodic/ca-cert/{ca-cert}

ca-cert attributes

Replace List

PUT

/axapi/v3/import-periodic/ca-cert

ca-cert-list

Delete Object

DELETE

/axapi/v3/import-periodic/ca-cert/{ca-cert}

ca-cert attributes

```
DELETE /axapi/v3/import-periodic/ca-cert/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ca-cert-list

ca-cert-list is **JSON List** of *ca-cert attributes*

ca-cert-list : [

{ *ca-cert attributes* },

{ *ca-cert attributes* },

...

]

ca-cert attributes

ca-cert

Description SSL CA Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

encrypted

Description The password for certificate file (pfx type only)

period

Description Specify the period in second

Type: number

Range: 60-31536000

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.7 import-periodic class-list

Class list files

class-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*class-list*
Collection Name	*class-list-list*
Collection URI	/axapi/v3/import-periodic/class-list
Element Name	class-list
Element URI	/axapi/v3/import-periodic/class-list/{class-list}
Element Attributes	class-list_attributes
Partition Visibility	shared
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/class-list

class-list attributes

```
POST /axapi/v3/import-periodic/class-list/
Payload:
{
    "class-list": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-class-list.txt",
        "class-list": "c-a",
        "user-tag": "a",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/class-list

class-list attributes

Get Object

GET

/axapi/v3/import-periodic/class-list/{class-list}

class-list attributes

```
GET /axapi/v3/import-periodic/class-list/c-a
Reponse:
{
    "class-list": {
        "class-list": "c-a",
        "user-tag": "a",
        "background": 0,
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-class-list.txt",
        "period": 60,
        "uuid": "6501985c-0936-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/class-list/c-a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/class-list

class-list-list

Modify Object

POST

/axapi/v3/import-periodic/class-list/{class-list}

class-list attributes

Replace Object

PUT

/axapi/v3/import-periodic/class-list/{class-list}

class-list attributes

```
PUT /axapi/v3/import-periodic/class-list/c-a
Payload:
{
    "class-list": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-class-list.txt",
        "class-list": "c-a",
        "user-tag": "abcd",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/class-list

class-list-list

Delete Object

DELETE

/axapi/v3/import-periodic/class-list/{class-list}

class-list attributes

```
DELETE /axapi/v3/import-periodic/class-list/c-a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

class-list-list

class-list-list is **JSON List** of *class-list attributes*

class-list-list : [

{ *class-list attributes* },

{ *class-list attributes* },

...

]

class-list attributes

background

Description background mode for importing class-list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

class-list

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.8 import-periodic class-list-convert

Convert Class List File to A10 format

class-list-convert Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*class-list-convert*
Collection Name	*class-list-convert-list*
Collection URI	/axapi/v3/import-periodic/class-list-convert
Element Name	class-list-convert
Element URI	/axapi/v3/import-periodic/class-list-convert/{class-list-convert}
Element Attributes	class-list-convert_attributes
Partition Visibility	shared
Schema	`class-list-convert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/class-list-convert

class-list-convert attributes

```
POST /axapi/v3/import-periodic/class-list-convert/
Payload:
{
    "class-list-convert": {
        "period": 60,
        "class-list-convert": "a",
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "class-list-type": "ac",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/class-list-convert

class-list-convert attributes

Get Object

GET

/axapi/v3/import-periodic/class-list-convert/{class-list-convert}

class-list-convert attributes

```
GET /axapi/v3/import-periodic/class-list-convert/a
Reponse:
{
    "class-list-convert": {
        "class-list-convert": "a",
        "class-list-type": "ac",
        "use-mgmt-port": 1,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "8a294f4e-0936-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/class-list-convert/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/class-list-convert

class-list-convert-list

Modify Object

POST

/axapi/v3/import-periodic/class-list-convert/{class-list-convert}

class-list-convert attributes

Replace Object

PUT

/axapi/v3/import-periodic/class-list-convert/{class-list-convert}

class-list-convert attributes

```
PUT /axapi/v3/import-periodic/class-list-convert/a
Payload:
{
    "class-list-convert": {
        "period": 60,
        "class-list-convert": "a",
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "class-list-type": "ac",
        "use-mgmt-port": 0
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/class-list-convert

class-list-convert-list

Delete Object

DELETE

/axapi/v3/import-periodic/class-list-convert/{class-list-convert}

class-list-convert attributes

```
DELETE /axapi/v3/import-periodic/class-list-convert/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

class-list-convert-list

class-list-convert-list is **JSON List** of *class-list-convert attributes*

class-list-convert-list : [

{ *class-list-convert attributes* },

{ *class-list-convert attributes* },

...

]

class-list-convert attributes

class-list-convert

Description Class List File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list-type

Description 'ac': ac; 'ipv4': ipv4; 'ipv6': ipv6; 'string': string; 'string-case-insensitive': string-case-insensitive;

Type: string

Supported Values: ac, ipv4, ipv6, string, string-case-insensitive

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.9 import-periodic dnssec-dnskey

DNSSEC DNSKEY(KSK) file for child zone

dnssec-dnskey Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*dnssec-dnskey*
Collection Name	*dnssec-dnskey-list*
Collection URI	/axapi/v3/import-periodic/dnssec-dnskey
Element Name	dnssec-dnskey
Element URI	/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}
Element Attributes	dnssec-dnskey_attributes
Partition Visibility	shared
Schema	`dnssec-dnskey schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/dnssec-dnskey

dnssec-dnskey attributes

```
POST /axapi/v3/import-periodic/dnssec-dnskey/
Payload:
{
    "dnssec-dnskey": {
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-dnssec.key",
        "dnssec-dnskey": "sub.example.com",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/dnssec-dnskey

dnssec-dnskey attributes

Get Object

GET

/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}

dnssec-dnskey attributes

```
GET /axapi/v3/import-periodic/dnssec-dnskey/sub.example.com
Reponse:
{
    "dnssec-dnskey": {
        "dnssec-dnskey": "sub.example.com",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-dnssec.key",
        "period": 60,
        "uuid": "a9ac712a-0936-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/dnssec-dnskey/sub.example.com"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/dnssec-dnskey

dnssec-dnskey-list

Modify Object

POST

/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}

dnssec-dnskey attributes

Replace Object

PUT

/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}

dnssec-dnskey attributes

```
PUT /axapi/v3/import-periodic/dnssec-dnskey/sub.example.com
Payload:
{
    "dnssec-dnskey": {
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-dnssec.key",
        "dnssec-dnskey": "sub.example.com",
        "period": 60,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/dnssec-dnskey

dnssec-dnskey-list

Delete Object

DELETE

/axapi/v3/import-periodic/dnssec-dnskey/{dnssec-dnskey}

dnssec-dnskey attributes

```
DELETE /axapi/v3/import-periodic/dnssec-dnskey/sub.example.com
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dnssec-dnskey-list

dnssec-dnskey-list is **JSON List** of *dnssec-dnskey attributes*

dnssec-dnskey-list : [

{ *dnssec-dnskey attributes* },

{ *dnssec-dnskey attributes* },

...

]

dnssec-dnskey attributes

dnssec-dnskey

Description DNSSEC DNSKEY(KSK) file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.10 import-periodic dnssec-ds

DNSSEC DS file for child zone

dnssec-ds Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*dnssec-ds*
Collection Name	*dnssec-ds-list*
Collection URI	/axapi/v3/import-periodic/dnssec-ds
Element Name	dnssec-ds
Element URI	/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}
Element Attributes	dnssec-ds_attributes
Partition Visibility	shared
Schema	`dnssec-ds schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/dnssec-ds

dnssec-ds attributes

```
POST /axapi/v3/import-periodic/dnssec-ds/
Payload:
{
    "dnssec-ds": {
        "dnssec-ds": "sub.example.com",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-ds.txt",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/dnssec-ds

dnssec-ds attributes

Get Object

GET

/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}

dnssec-ds attributes

```
GET /axapi/v3/import-periodic/dnssec-ds/sub.example.com
Reponse:
{
    "dnssec-ds": {
        "dnssec-ds": "sub.example.com",
```

(continues on next page)

(continued from previous page)

```
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-ds.txt",
        "period": 60,
        "uuid": "ce5627be-0936-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/dnssec-ds/sub.example.com"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/dnssec-ds

dnssec-ds-list

Modify Object

POST

/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}

dnssec-ds attributes

Replace Object

PUT

/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}

dnssec-ds attributes

```
PUT /axapi/v3/import-periodic/dnssec-ds/sub.example.com
Payload:
{
    "dnssec-ds": {
        "dnssec-ds": "sub.example.com",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-ds.txt",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/dnssec-ds

dnssec-ds-list

Delete Object

DELETE

/axapi/v3/import-periodic/dnssec-ds/{dnssec-ds}

dnssec-ds attributes

```
DELETE /axapi/v3/import-periodic/dnssec-ds/sub.example.com
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dnssec-ds-list

dnssec-ds-list is **JSON List** of *dnssec-ds attributes*

dnssec-ds-list : [

{ *dnssec-ds attributes* },

{ *dnssec-ds attributes* },

...

]

dnssec-ds attributes

dnssec-ds

Description DNSSEC DS file for child zone

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.11 import-periodic domain-list

Domain list files

domain-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*domain-list*
Collection Name	*domain-list-list*
Collection URI	/axapi/v3/import-periodic/domain-list
Element Name	domain-list
Element URI	/axapi/v3/import-periodic/domain-list/{domain-list}
Element Attributes	domain-list_attributes
Partition Visibility	shared
Schema	`domain-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/domain-list

domain-list attributes

```
POST /axapi/v3/import-periodic/domain-list/
Payload:
{
    "domain-list": {
        "domain-list": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/domain-list

domain-list attributes

Get Object

GET

/axapi/v3/import-periodic/domain-list/{domain-list}

domain-list attributes

```
GET /axapi/v3/import-periodic/domain-list/a
Reponse:
{
    "domain-list": {
        "domain-list": "a",
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "f1490642-0936-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/domain-list/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/domain-list

domain-list-list

Modify Object

POST

/axapi/v3/import-periodic/domain-list/{domain-list}

domain-list attributes

Replace Object

PUT

/axapi/v3/import-periodic/domain-list/{domain-list}

domain-list attributes

```
PUT /axapi/v3/import-periodic/domain-list/a
Payload:
{
    "domain-list": {
        "domain-list": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/domain-list

domain-list-list

Delete Object

DELETE

/axapi/v3/import-periodic/domain-list/{domain-list}

domain-list attributes

```
DELETE /axapi/v3/import-periodic/domain-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

domain-list-list

domain-list-list is **JSON List** of *domain-list attributes*

domain-list-list : [

{ *domain-list attributes* },

{ *domain-list attributes* },

...

]

domain-list attributes

domain-list

Description Domain List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.12 import-periodic geo-location

Geo-location CSV File

geo-location Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*geo-location*
Collection Name	*geo-location-list*
Collection URI	/axapi/v3/import-periodic/geo-location
Element Name	geo-location
Element URI	/axapi/v3/import-periodic/geo-location/{geo-location}
Element Attributes	geo-location_attributes
Partition Visibility	shared
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/geo-location

geo-location attributes

```
POST /axapi/v3/import-periodic/geo-location/
Payload:
{
    "geo-location": {
        "geo-location": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-geo-location.csv"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/geo-location

geo-location attributes

Get Object

GET

/axapi/v3/import-periodic/geo-location/{geo-location}

geo-location attributes

```
GET /axapi/v3/import-periodic/geo-location/a
Reponse:
{
    "geo-location": {
        "geo-location": "a",
        "use-mgmt-port": 0,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-geo-location.csv",
        "period": 60,
        "uuid": "0c0009c2-0937-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/geo-location/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/geo-location

geo-location-list

Modify Object

POST

/axapi/v3/import-periodic/geo-location/{geo-location}

geo-location attributes

Replace Object

PUT

/axapi/v3/import-periodic/geo-location/{geo-location}

geo-location attributes

```
PUT /axapi/v3/import-periodic/geo-location/a
Payload:
{
    "geo-location": {
        "geo-location": "a",
        "period": 60,
```

(continues on next page)

(continued from previous page)

```
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-geo-location.csv"
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/geo-location

geo-location-list

Delete Object

DELETE

/axapi/v3/import-periodic/geo-location/{geo-location}

geo-location attributes

```
DELETE /axapi/v3/import-periodic/geo-location/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

geo-location-list

geo-location-list is **JSON List** of *geo-location attributes*

geo-location-list : [

{ *geo-location attributes* },

{ *geo-location attributes* },

...

]

geo-location attributes

geo-location

Description Geo-location CSV File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.13 import-periodic local-uri-file

Local URI files for http response

local-uri-file Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*local-uri-file*
Collection Name	*local-uri-file-list*
Collection URI	/axapi/v3/import-periodic/local-uri-file
Element Name	local-uri-file
Element URI	/axapi/v3/import-periodic/local-uri-file/{local-uri-file}
Element Attributes	local-uri-file_attributes
Partition Visibility	shared
Schema	`local-uri-file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/local-uri-file

local-uri-file attributes

```
POST /axapi/v3/import-periodic/local-uri-file/
Payload:
{
    "local-uri-file": {
        "local-uri-file": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-local-uri-file.txt",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/local-uri-file

local-uri-file attributes

Get Object

GET

/axapi/v3/import-periodic/local-uri-file/{local-uri-file}

local-uri-file attributes

```
GET /axapi/v3/import-periodic/local-uri-file/a
Reponse:
{
    "local-uri-file": {
        "local-uri-file": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-local-uri-file.txt",
        "period": 60,
        "uuid": "30180a62-0937-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/local-uri-file/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/local-uri-file

local-uri-file-list

Modify Object

POST

/axapi/v3/import-periodic/local-uri-file/{local-uri-file}

local-uri-file attributes

Replace Object

PUT

/axapi/v3/import-periodic/local-uri-file/{local-uri-file}

local-uri-file attributes

```
PUT /axapi/v3/import-periodic/local-uri-file/a
Payload:
{
    "local-uri-file": {
        "local-uri-file": "a",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-local-uri-file.txt",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/local-uri-file

local-uri-file-list

Delete Object

DELETE

/axapi/v3/import-periodic/local-uri-file/{local-uri-file}

local-uri-file attributes

```
DELETE /axapi/v3/import-periodic/local-uri-file/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

local-uri-file-list

local-uri-file-list is **JSON List** of *local-uri-file attributes*

local-uri-file-list : [

{ *local-uri-file attributes* },

{ *local-uri-file attributes* },

...

]

local-uri-file attributes

local-uri-file

Description Local URI files for http response

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.14 import-periodic rpz

Response Policy Zone File

rpz Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*rpz*
Collection Name	*rpz-list*
Collection URI	/axapi/v3/import-periodic/rpz
Element Name	rpz
Element URI	/axapi/v3/import-periodic/rpz/{rpz}
Element Attributes	rpz_attributes
Partition Visibility	shared
Schema	`rpz schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/rpz

rpz attributes

```
POST /axapi/v3/import-periodic/rpz/
Payload:
{
    "rpz": {
        "zone-transfer": "zone-transfer",
        "rpz": "a",
        "use-mgmt-port": 1,
        "remote-file-zone-transfer": "http://example.com/axapi/v3health/postfile_url/
↪stats4"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/rpz

rpz attributes

Get Object

GET

/axapi/v3/import-periodic/rpz/{rpz}

rpz attributes

```
GET /axapi/v3/import-periodic/rpz/a
Reponse:
{
    "rpz": {
        "rpz": "a",
```

(continues on next page)

(continued from previous page)

```
        "zone-transfer": "zone-transfer",
        "use-mgmt-port": 1,
        "remote-file-zone-transfer": "http://example.com/axapi/v3health/postfile_url/
↪stats4",
        "period": 60,
        "uuid": "57636760-0937-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/rpz/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/rpz

rpz-list

Modify Object

POST

/axapi/v3/import-periodic/rpz/{rpz}

rpz attributes

Replace Object

PUT

/axapi/v3/import-periodic/rpz/{rpz}

rpz attributes

```
PUT /axapi/v3/import-periodic/rpz/a
Payload:
{
    "rpz": {
        "zone-transfer": "zone-transfer",
        "rpz": "a",
        "use-mgmt-port": 1,
        "remote-file-zone-transfer": "http://example.com/axapi/v3health/externalfile_url/
↪stats4",
        "period": 61
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/rpz

rpz-list

Delete Object

DELETE

/axapi/v3/import-periodic/rpz/{rpz}

rpz attributes

```
DELETE /axapi/v3/import-periodic/rpz/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rpz-list

rpz-list is **JSON List** of *rpz attributes*

rpz-list : [

{ *rpz attributes* },

{ *rpz attributes* },

...

]

rpz attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

remote-file-zone-transfer

Description profile name for remote url

Type: string

Format: url

rpz

Description Response Policy Zone File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone-transfer

Description 'zone-transfer': zone-transfer;

Type: string

Supported Values: zone-transfer

2.62.15 import-periodic ssl-cert

SSL Cert File(enter bulk when import an archive file)

ssl-cert Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ssl-cert*
Collection Name	*ssl-cert-list*
Collection URI	/axapi/v3/import-periodic/ssl-cert
Element Name	ssl-cert
Element URI	/axapi/v3/import-periodic/ssl-cert/{ssl-cert}
Element Attributes	ssl-cert_attributes
Partition Visibility	shared
Schema	`ssl-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ssl-cert

ssl-cert attributes

```
POST /axapi/v3/import-periodic/ssl-cert/
Payload:
{
    "ssl-cert": {
        "certificate-type": "pem",
        "ssl-cert": "a",
        "pfx-password": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4"
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ssl-cert

ssl-cert attributes

Get Object

GET

/axapi/v3/import-periodic/ssl-cert/{ssl-cert}

ssl-cert attributes

```
GET /axapi/v3/import-periodic/ssl-cert/a
Reponse:
{
    "ssl-cert": {
        "ssl-cert": "a",
        "certificate-type": "pem",
        "encrypted": "UKt+W6xRnZ3TDeZE4vKn+hwTIpUgm4u4r2oBT9xjorfa0WyOY+AxABUt48+zlG5s",
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "710d90c8-0937-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/ssl-cert/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ssl-cert

ssl-cert-list

Modify Object

POST

/axapi/v3/import-periodic/ssl-cert/{ssl-cert}

ssl-cert attributes

Replace Object

PUT

/axapi/v3/import-periodic/ssl-cert/{ssl-cert}

ssl-cert attributes

Replace List

PUT

/axapi/v3/import-periodic/ssl-cert

ssl-cert-list

Delete Object

DELETE

/axapi/v3/import-periodic/ssl-cert/{ssl-cert}

ssl-cert attributes

```
DELETE /axapi/v3/import-periodic/ssl-cert/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl-cert-list

ssl-cert-list is **JSON List** of *ssl-cert attributes*

ssl-cert-list : [

{ *ssl-cert attributes* },

{ *ssl-cert attributes* },

...

]

ssl-cert attributes

certificate-type

Description 'pem': pem; 'der': der; 'pfx': pfx; 'p7b': p7b;

Type: string

Supported Values: pem, der, pfx, p7b

encrypted

Description The password for certificate file (pfx type only)

period

Description Specify the period in second

Type: number

Range: 60-31536000

pfx-password

Description The password for certificate file (pfx type only)

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description profile name for remote url

Type: string

Format: url

ssl-cert

Description SSL Cert File(enter bulk when import an archive file)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.16 import-periodic ssl-cert-key

Bulk file

ssl-cert-key Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ssl-cert-key*
Collection Name	*ssl-cert-key-list*
Collection URI	/axapi/v3/import-periodic/ssl-cert-key
Element Name	ssl-cert-key
Element URI	/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}
Element Attributes	ssl-cert-key_attributes
Partition Visibility	shared
Schema	`ssl-cert-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ssl-cert-key

ssl-cert-key attributes

```
POST /axapi/v3/import-periodic/ssl-cert-key/
Payload:
{
    "ssl-cert-key": {
        "ssl-cert-key": "bulk",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-cert-key.tar.gz",
        "secured": 1,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ssl-cert-key

ssl-cert-key attributes

Get Object

GET

/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}

ssl-cert-key attributes

```
GET /axapi/v3/import-periodic/ssl-cert-key/bulk
Reponse:
{
    "ssl-cert-key": {
        "ssl-cert-key": "bulk",
        "secured": 1,
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-cert-key.tar.gz",
        "period": 60,
        "uuid": "9fb01c52-0937-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/ssl-cert-key/bulk"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ssl-cert-key

ssl-cert-key-list

Modify Object

POST

/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}

ssl-cert-key attributes

Replace Object

PUT

/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}

ssl-cert-key attributes

```
PUT /axapi/v3/import-periodic/ssl-cert-key/bulk
Payload:
{
    "ssl-cert-key": {
        "ssl-cert-key": "bulk",
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-cert-key.tar.gz",
        "secured": 0,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/ssl-cert-key

ssl-cert-key-list

Delete Object

DELETE

/axapi/v3/import-periodic/ssl-cert-key/{ssl-cert-key}

ssl-cert-key attributes

```
DELETE /axapi/v3/import-periodic/ssl-cert-key/bulk
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl-cert-key-list

ssl-cert-key-list is **JSON List** of *ssl-cert-key attributes*

ssl-cert-key-list : [

{ *ssl-cert-key attributes* },

{ *ssl-cert-key attributes* },

...

]

ssl-cert-key attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

secured

Description Mark keys as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-key

Description 'bulk': import an archive file;

Type: string

Supported Values: bulk

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.17 import-periodic ssl-crl

SSL Crl File

ssl-crl Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ssl-crl*
Collection Name	*ssl-crl-list*
Collection URI	/axapi/v3/import-periodic/ssl-crl
Element Name	ssl-crl
Element URI	/axapi/v3/import-periodic/ssl-crl/{ssl-crl}
Element Attributes	ssl-crl_attributes
Partition Visibility	shared
Schema	`ssl-crl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ssl-crl

ssl-crl attributes

```
POST /axapi/v3/import-periodic/ssl-crl/
Payload:
{
    "ssl-crl": {
```

(continues on next page)

(continued from previous page)

```
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample.crl",
        "ssl-crl": "a",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ssl-crl

ssl-crl attributes

Get Object

GET

/axapi/v3/import-periodic/ssl-crl/{ssl-crl}

ssl-crl attributes

```
GET /axapi/v3/import-periodic/ssl-crl/a
Reponse:
{
    "ssl-crl": {
        "ssl-crl": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample.crl",
        "period": 60,
        "uuid": "c371f7a0-0937-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/ssl-crl/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ssl-crl

ssl-crl-list

Modify Object

POST

/axapi/v3/import-periodic/ssl-crl/{ssl-crl}

ssl-crl attributes

Replace Object

PUT

/axapi/v3/import-periodic/ssl-crl/{ssl-crl}

ssl-crl attributes

```
PUT /axapi/v3/import-periodic/ssl-crl/a
Payload:
{
    "ssl-crl": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample.crl",
        "ssl-crl": "a",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/ssl-crl

ssl-crl-list

Delete Object

DELETE

/axapi/v3/import-periodic/ssl-crl/{ssl-crl}

ssl-crl attributes

```
DELETE /axapi/v3/import-periodic/ssl-crl/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl-crl-list

ssl-crl-list is **JSON List** of *ssl-crl attributes*

ssl-crl-list : [

{ *ssl-crl attributes* },

{ *ssl-crl attributes* },

...

]

ssl-crl attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

ssl-crl

Description SSL Crl File

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.18 import-periodic ssl-key

SSL Key File(enter bulk when import an archive file)

ssl-key Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ssl-key*
Collection Name	*ssl-key-list*
Collection URI	/axapi/v3/import-periodic/ssl-key
Element Name	ssl-key
Element URI	/axapi/v3/import-periodic/ssl-key/{ssl-key}
Element Attributes	ssl-key_attributes
Partition Visibility	shared
Schema	`ssl-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/ssl-key

ssl-key attributes

```
POST /axapi/v3/import-periodic/ssl-key/
Payload:
{
    "ssl-key": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample.key",
        "ssl-key": "a",
        "secured": 1,
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/ssl-key

ssl-key attributes

Get Object

GET

/axapi/v3/import-periodic/ssl-key/{ssl-key}

ssl-key attributes

```
GET /axapi/v3/import-periodic/ssl-key/a
Reponse:
{
    "ssl-key": {
```

(continues on next page)

(continued from previous page)

```
        "ssl-key": "a",
        "secured": 1,
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample.key",
        "period": 60,
        "uuid": "e8067afa-0937-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/ssl-key/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/ssl-key

ssl-key-list

Modify Object

POST

/axapi/v3/import-periodic/ssl-key/{ssl-key}

ssl-key attributes

Replace Object

PUT

/axapi/v3/import-periodic/ssl-key/{ssl-key}

ssl-key attributes

```
PUT /axapi/v3/import-periodic/ssl-key/a
Payload:
{
    "ssl-key": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample.key",
        "ssl-key": "a",
        "secured": 0,
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/ssl-key

ssl-key-list

Delete Object

DELETE

/axapi/v3/import-periodic/ssl-key/{ssl-key}

ssl-key attributes

```
DELETE /axapi/v3/import-periodic/ssl-key/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl-key-list

ssl-key-list is **JSON List** of *ssl-key attributes*

ssl-key-list : [

{ *ssl-key attributes* },

{ *ssl-key attributes* },

...

]

ssl-key attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

secured

Description Mark as non-exportable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-key

Description SSL Key File(enter bulk when import an archive file)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.19 import-periodic thales-kmdata

import Thales Kmdata files

thales-kmdata Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*thales-kmdata*
Collection Name	*thales-kmdata-list*
Collection URI	/axapi/v3/import-periodic/thales-kmdata
Element Name	thales-kmdata
Element URI	/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}
Element Attributes	thales-kmdata_attributes
Partition Visibility	shared
Schema	`thales-kmdata schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/thales-kmdata

thales-kmdata attributes

```
POST /axapi/v3/import-periodic/thales-kmdata/
Payload:
{
    "thales-kmdata": {
        "thales-kmdata": "a",
        "period": 60,
```

(continues on next page)

(continued from previous page)

```
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "overwrite": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/thales-kmdata

thales-kmdata attributes

Get Object

GET

/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}

thales-kmdata attributes

```
GET /axapi/v3/import-periodic/thales-kmdata/a
Reponse:
{
    "thales-kmdata": {
        "thales-kmdata": "a",
        "overwrite": 1,
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "0a2e15b6-0938-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/thales-kmdata/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/thales-kmdata

thales-kmdata-list

Modify Object

POST

/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}

thales-kmdata attributes

Replace Object

PUT

/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}

thales-kmdata attributes

```
PUT /axapi/v3/import-periodic/thales-kmdata/a
Payload:
{
    "thales-kmdata": {
        "thales-kmdata": "a",
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "overwrite": 0
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/thales-kmdata

thales-kmdata-list

Delete Object

DELETE

/axapi/v3/import-periodic/thales-kmdata/{thales-kmdata}

thales-kmdata attributes

thales-kmdata-list

thales-kmdata-list is **JSON List** of *thales-kmdata attributes*

thales-kmdata-list : [

{ *thales-kmdata attributes* },

{ *thales-kmdata attributes* },

...

]

thales-kmdata attributes

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

thales-kmdata

Description import Thales Kmdata files - in .tgz format that has all files needed by AX

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.20 import-periodic thales-secworld

import Thales security world files

thales-secworld Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*thales-secworld*
Collection Name	*thales-secworld-list*
Collection URI	/axapi/v3/import-periodic/thales-secworld
Element Name	thales-secworld
Element URI	/axapi/v3/import-periodic/thales-secworld/{thales-secworld}
Element Attributes	thales-secworld_attributes
Partition Visibility	shared
Schema	`thales-secworld schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/thales-secworld

thales-secworld attributes

```
POST /axapi/v3/import-periodic/thales-secworld/
Payload:
{
    "thales-secworld": {
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "thales-secworld": "a",
        "period": 60,
        "overwrite": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/thales-secworld

thales-secworld attributes

Get Object

GET

/axapi/v3/import-periodic/thales-secworld/{thales-secworld}

thales-secworld attributes

```
GET /axapi/v3/import-periodic/thales-secworld/a
Reponse:
{
    "thales-secworld": {
        "thales-secworld": "a",
        "overwrite": 1,
        "use-mgmt-port": 0,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "2a66f884-0938-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/thales-secworld/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/thales-secworld

thales-secworld-list

Modify Object

POST

/axapi/v3/import-periodic/thales-secworld/{thales-secworld}

thales-secworld attributes

Replace Object

PUT

/axapi/v3/import-periodic/thales-secworld/{thales-secworld}

thales-secworld attributes

```
PUT /axapi/v3/import-periodic/thales-secworld/a
Payload:
{
    "thales-secworld": {
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "thales-secworld": "a",
        "period": 60,
        "overwrite": 0
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/thales-secworld

thales-secworld-list

Delete Object

DELETE

/axapi/v3/import-periodic/thales-secworld/{thales-secworld}

thales-secworld attributes

thales-secworld-list

thales-secworld-list is **JSON List** of *thales-secworld attributes*

thales-secworld-list : [

{ *thales-secworld attributes* },

{ *thales-secworld attributes* },

...

]

thales-secworld attributes

overwrite

Description Overwrite existing file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

thales-secworld

Description import Thales security world files - in .tgz format that has all files needed by AX

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.21 import-periodic tsig

Transaction SIGnatures Key File

tsig Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*tsig*
Collection Name	*tsig-list*
Collection URI	/axapi/v3/import-periodic/tsig
Element Name	tsig
Element URI	/axapi/v3/import-periodic/tsig/{tsig}
Element Attributes	tsig_attributes
Partition Visibility	shared
Schema	`tsig schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/tsig

tsig attributes

```
POST /axapi/v3/import-periodic/tsig/
Payload:
{
    "tsig": {
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "tsig": "a",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/tsig

tsig attributes

Get Object

GET

/axapi/v3/import-periodic/tsig/{tsig}

tsig attributes

```
GET /axapi/v3/import-periodic/tsig/a
Reponse:
{
    "tsig": {
        "tsig": "a",
        "use-mgmt-port": 1,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "period": 60,
        "uuid": "4ad1f0a6-0938-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/tsig/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/tsig

tsig-list

Modify Object

POST

/axapi/v3/import-periodic/tsig/{tsig}

tsig attributes

Replace Object

PUT

/axapi/v3/import-periodic/tsig/{tsig}

tsig attributes

```
PUT /axapi/v3/import-periodic/tsig/a
Payload:
{
    "tsig": {
        "period": 60,
        "remote-file": "http://example.com/axapi/v3health/postfile_url/stats4",
        "tsig": "a",
        "use-mgmt-port": 0
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/tsig

tsig-list

Delete Object

DELETE

/axapi/v3/import-periodic/tsig/{tsig}

tsig attributes

```
DELETE /axapi/v3/import-periodic/tsig/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tsig-list

tsig-list is **JSON List** of *tsig attributes*

tsig-list : [

{ *tsig attributes* },

{ *tsig attributes* },

...

]

tsig attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

tsig

Description Transaction SIGnatures Key File

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.62.22 import-periodic wsdl

Web Services Definition Language File

wsdl Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*wsdl*
Collection Name	*wsdl-list*
Collection URI	/axapi/v3/import-periodic/wsdl
Element Name	wsdl
Element URI	/axapi/v3/import-periodic/wsdl/{wsdl}
Element Attributes	wsdl_attributes
Partition Visibility	shared
Schema	`wsdl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/wsdl

wsdl attributes

Create List

POST

/axapi/v3/import-periodic/wsdl

wsdl attributes

Get Object

GET

/axapi/v3/import-periodic/wsdl/{wsdl}

wsdl attributes

Get List

GET

/axapi/v3/import-periodic/wsdl

wsdl-list

Modify Object

POST

/axapi/v3/import-periodic/wsdl/{wsdl}

wsdl attributes

Replace Object

PUT

/axapi/v3/import-periodic/wsdl/{wsdl}

wsdl attributes

Replace List

PUT

/axapi/v3/import-periodic/wsdl

wsdl-list

Delete Object

DELETE

/axapi/v3/import-periodic/wsdl/{wsdl}

wsdl attributes

wsdl-list

wsdl-list is **JSON List** of *wsdl attributes*

```
wsdl-list : [
        { wsdl attributes },
        { wsdl attributes },
        ...
    ]
```

wsdl attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wsdl

Description Web Services Definition Language File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.62.23 import-periodic xml-schema

XML-Schema File

xml-schema Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*xml-schema*
Collection Name	*xml-schema-list*
Collection URI	/axapi/v3/import-periodic/xml-schema
Element Name	xml-schema
Element URI	/axapi/v3/import-periodic/xml-schema/{xml-schema}
Element Attributes	xml-schema_attributes
Partition Visibility	shared
Schema	`xml-schema schema`

Operations Allowed:

Create Object

POST

/axapi/v3/import-periodic/xml-schema

xml-schema attributes

```
POST /axapi/v3/import-periodic/xml-schema/
Payload:
{
    "xml-schema": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-xml-schema.xml",
        "xml-schema": "a",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/import-periodic/xml-schema

xml-schema attributes

Get Object

GET

/axapi/v3/import-periodic/xml-schema/{xml-schema}

xml-schema attributes

```
GET /axapi/v3/import-periodic/xml-schema/a
Reponse:
{
    "xml-schema": {
        "xml-schema": "a",
        "use-mgmt-port": 1,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
↪Test/sample-xml-schema.xml",
        "period": 60,
        "uuid": "6bcb776e-0938-11f0-b98c-695a9b168143",
        "a10-url": "/axapi/v3/import-periodic/xml-schema/a"
    }
}
```

Get List

GET

/axapi/v3/import-periodic/xml-schema

xml-schema-list

Modify Object

POST

/axapi/v3/import-periodic/xml-schema/{xml-schema}

xml-schema attributes

Replace Object

PUT

/axapi/v3/import-periodic/xml-schema/{xml-schema}

xml-schema attributes

```
PUT /axapi/v3/import-periodic/xml-schema/a
Payload:
{
    "xml-schema": {
        "period": 60,
        "remote-file": "scp://user:single@10.64.21.234:/home/automation/TESTSUITES/Sdk_
```

(continues on next page)

(continued from previous page)

```
↪Test/sample-xml-schema.xml",
        "xml-schema": "a",
        "use-mgmt-port": 1
    }
}
```

Replace List

PUT

/axapi/v3/import-periodic/xml-schema

xml-schema-list

Delete Object

DELETE

/axapi/v3/import-periodic/xml-schema/{xml-schema}

xml-schema attributes

```
DELETE /axapi/v3/import-periodic/xml-schema/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

xml-schema-list

xml-schema-list is **JSON List** of *xml-schema attributes*

xml-schema-list : [

{ *xml-schema attributes* },

{ *xml-schema attributes* },

...

]

xml-schema attributes

period

Description Specify the period in second

Type: number

Range: 60-31536000

remote-file

Description profile name for remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xml-schema

Description XML-Schema File

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.63 interface

Objects:

2.63.1 interface

Select an interface to configure

interface Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	interface
Element URI	/axapi/v3/interface
Element Attributes	interface_attributes
Partition Visibility	shared
Schema	`interface schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface

interface_attributes

interface attributes

available-eth-list

Description: available-eth-list is a **JSON Block**. Please see below for *available-eth-list*

Type: Object

Reference Object: */axapi/v3/interface/available-eth-list*

brief

Description: brief is a **JSON Block**. Please see below for *brief*

Type: Object

Reference Object: */axapi/v3/interface/brief*

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Reference Object: */axapi/v3/interface/common*

driver-statistic

Description: driver-statistic is a **JSON Block**. Please see below for *driver-statistic*

Type: Object

Reference Object: */axapi/v3/interface/driver-statistic*

ethernet-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}*

lif-list

Type: List

Reference Object: */axapi/v3/interface/lif/{ifname}*

loopback-list

Type: List

Reference Object: */axapi/v3/interface/loopback/{ifnum}*

management

Description: management is a **JSON Block**. Please see below for *management*

Type: Object

Reference Object: */axapi/v3/interface/management*

management2

Description: management2 is a **JSON Block**. Please see below for *management2*

Type: Object

Reference Object: */axapi/v3/interface/management2*

packet-size-bucket

Description: packet-size-bucket is a **JSON Block**. Please see below for *packet-size-bucket*

Type: Object

Reference Object: */axapi/v3/interface/packet-size-bucket*

switch-drop-reason

Description: switch-drop-reason is a **JSON Block**. Please see below for *switch-drop-reason*

Type: Object

Reference Object: */axapi/v3/interface/switch-drop-reason*

trunk-list

Type: List

Reference Object: */axapi/v3/interface/trunk/{ifnum}*

tunnel-list

Type: List

Reference Object: */axapi/v3/interface/tunnel/{ifnum}*

ve-list

Type: List

Reference Object: */axapi/v3/interface/ve/{ifnum}*

tunnel-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

ifnum

Description Tunnel interface number

Type: number

Range: 1-128

ip

Description: ip is a **JSON Block**. Please see below for *tunnel-list_ip*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *tunnel-list_ipv6*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6*

load-interval

Description Configure Load Interval (Seconds (5-300, Multiple of 5), default 300)

Type: number

Range: 5-300

Default: 300

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *tunnel-list_lw-4o6*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/lw-4o6*

map

Description: map is a **JSON Block**. Please see below for *tunnel-list_map*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/interface-tunnel-tmpl*

sampling-enable

Type: List

speed

Description Speed in Gbit/Sec (Default 10 Gbps)

Type: number

Range: 1-200

Default: 10

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_map

Specification	Value
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ip

Specification	Value
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *tunnel-list_ip_address*

Type: Object

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query-val

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Max Response Time (Default is 100)

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *tunnel-list_ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *tunnel-list_ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/rip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *tunnel-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

tunnel-list_ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

tunnel-list_ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *tunnel-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *tunnel-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *tunnel-list_ip_rip_authentication_str*

Type: Object

tunnel-list_ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

tunnel-list_ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

tunnel-list_ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

tunnel-list_ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

tunnel-list_ip_address

Specification	Value
Type	*object*

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-cfg

Type: List

tunnel-list_ip_address_ip-cfg

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

tunnel-list_ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

tunnel-list_ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

tunnel-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

tunnel-list_ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

tunnel-list_ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

tunnel-list_ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-list_ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-list_ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *tunnel-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

tunnel-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

tunnel-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num-rx-pkts': received packets; 'num-total-rx-bytes': received bytes; 'num-tx-pkts': sent packets; 'num-total-tx-bytes': sent bytes; 'num-rx-err-pkts': received error packets; 'num-tx-err-pkts': sent error packets; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec;

Type: string

Supported Values: all, num-rx-pkts, num-total-rx-bytes, num-tx-pkts, num-total-tx-bytes, num-rx-err-pkts, num-tx-err-pkts, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd

tunnel-list_lw-4o6

Specification	Value
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6

Specification	Value
Type	*object*

address-cfg

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *tunnel-list_ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *tunnel-list_ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6_address-cfg

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

tunnel-list_ipv6_router

Specification	Value
Type	*object*

ospf

Description: ospf is a **JSON Block**. Please see below for *tunnel-list_ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *tunnel-list_ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng*

tunnel-list_ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tunnel-list_ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tunnel-list_ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

tunnel-list_ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

tunnel-list_ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

tunnel-list_ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-list_ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

tunnel-list_ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tunnel-list_ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

tunnel-list_ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

tunnel-list_ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

management2

Specification	Value
Type	*object*

access-list

Description: access-list is a **JSON Block**. Please see below for *management2_access-list*

Type: Object

action

Description 'enable': Enable Management Port; 'disable': Disable Management Port;

Type: string

Supported Values: enable, disable

Default: enable

broadcast-rate-limit

Description: broadcast-rate-limit is a **JSON Block**. Please see below for *management2_broadcast-rate-limit*

Type: Object

duplexity

Description 'Full': Full; 'Half': Half; 'auto': Auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description: ip is a **JSON Block**. Please see below for *management2_ip*

Type: Object

ipv6

Type: List

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

sampling-enable

Type: List

speed

Description '10': 10 Mbs/sec; '100': 100 Mbs/sec; '1000': 1 Gb/sec; 'auto': Auto Negotiate Speed; (Interface Speed)

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management2_broadcast-rate-limit

Specification	Value
Type	*object*

bcast-rate-limit-enable

Description Rate limit the l2 broadcast packet on mgmt port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate

Description packets per second. Default is 500. (packets per second. Please specify an even number. Default is 500)

Type: number

Range: 50-5000

Default: 500

management2_ipv6

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: link-local

default-ipv6-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv6-address

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

management2_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'input_err_short': Runts; 'input_err_long': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted broadcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, input_err_short, input_err_long, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions

management2_ip

Specification	Value
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

management2_access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

management

Specification	Value
Type	*object*

access-list

Description: access-list is a **JSON Block**. Please see below for *management_access-list*

Type: Object

action

Description 'enable': Enable Management Port; 'disable': Disable Management Port;

Type: string

Supported Values: enable, disable

Default: enable

broadcast-rate-limit

Description: broadcast-rate-limit is a **JSON Block**. Please see below for *management_broadcast-rate-limit*

Type: Object

duplexity

Description 'Full': Full; 'Half': Half; 'auto': Auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description: ip is a **JSON Block**. Please see below for *management_ip*

Type: Object

ipv6

Type: List

lldp

Description: lldp is a **JSON Block**. Please see below for *management_lldp*

Type: Object

Reference Object: */axapi/v3/interface/management/lldp*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

sampling-enable

Type: List

secondary-ip

Description: secondary-ip is a **JSON Block**. Please see below for *management_secondary-ip*

Type: Object

speed

Description '10': 10 Mbs/sec; '100': 100 Mbs/sec; '1000': 1 Gb/sec; 'auto': Auto Negotiate Speed; (Interface Speed)

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management_lldp

Specification	Value
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *management_lldp_enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *management_lldp_notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *management_lldp_tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *management_lldp_tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management_lldp_tx-dot1-cfg

Specification	Value
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_lldp_notification-cfg

Specification	Value
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_lldp_tx-tlvs-cfg

Specification	Value
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_lldp_enable-cfg

Specification	Value
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_broadcast-rate-limit

Specification	Value
Type	*object*

bcast-rate-limit-enable

Description Rate limit the l2 broadcast packet on mgmt port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate

Description packets per second. Default is 500. (packets per second. Please specify an even number. Default is 500)

Type: number

Range: 50-5000

Default: 500

management_ipv6

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: link-local

default-ipv6-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv6-address

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

management_secondary-ip

Specification	Value
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dhcp and ipv4-address are mutually exclusive

ipv4-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address and dhcp are mutually exclusive

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

secondary-ip

Description Global IP configuration subcommands

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'input_err_short': Runts; 'input_err_long': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted broadcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, input_err_short, input_err_long, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions

management_ip

Specification	Value
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dhcp and ipv4-address are mutually exclusive

ipv4-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address and dhcp are mutually exclusive

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

management_access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

packet-size-bucket

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list

Specification	Value
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *trunk-list_access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *trunk-list_bfd*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/bfd*

ddos

Description: ddos is a **JSON Block**. Please see below for *trunk-list_ddos*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ddos*

do-auto-recovery

Description (Only for LACP trunks) Attempt auto-recovery after ports-treshold is triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gaming-protocol-compliance

Description Enable Gaming Protocol Compliance Check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *trunk-list_icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *trunk-list_icmpv6-rate-limit*

Type: Object

ifnum

Description Trunk interface number

Type: number

Range: 1-4096

ip

Description: ip is a **JSON Block**. Please see below for *trunk-list_ip*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *trunk-list_ipv6*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *trunk-list_isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/isis*

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *trunk-list_lw-4o6*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/lw-4o6*

mac-learning

Description 'enable': Enable MAC learning; 'disable': Disable MAC learning; 'dmac-only': Enable destination MAC learning only;

Type: string

Supported Values: enable, disable, dmac-only

map

Description: map is a **JSON Block**. Please see below for *trunk-list_map*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *trunk-list_nptv6*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/nptv6*

ports-threshold

Description Threshold for the minimum number of ports that need to be UP for the trunk to remain UP

Type: number

sampling-enable

Type: List

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *trunk-list_spanning-tree*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/spanning-tree*

sync-modify-disable

Description Disable SYNC bit modify for ports-threshold do-auto-recovery

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timer

Description Timer to re-check the threshold under certain conditions (Time in seconds (Default: 10))

Type: number

Range: 1-300

Default: 10

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update-l2-info

Description Update and use received L2 information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-hw-hash

Description Enable HW based load balacing decision rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire

Description Mark trunk as a virtual wire interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan-learning

Description ‘enable’: Enable VLAN learning; ‘disable’: Disable VLAN learning;

Type: string

Supported Values: enable, disable

trunk-list_map

Specification	Value
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip

Specification	Value
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

nat

Description: nat is a **JSON Block**. Please see below for *trunk-list_ip_nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *trunk-list_ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf*

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *trunk-list_ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *trunk-list_ip_router*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *trunk-list_ip_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *trunk-list_ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/router/isis*

trunk-list_ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

trunk-list_ip_helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

trunk-list_ip_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *trunk-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *trunk-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *trunk-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *trunk-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

trunk-list_ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

trunk-list_ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *trunk-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *trunk-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *trunk-list_ip_rip_authentication_str*

Type: Object

trunk-list_ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

trunk-list_ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

trunk-list_ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list_ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

trunk-list_ip_nat

Specification	Value
Type	*object*

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

trunk-list_ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

trunk-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

trunk-list_ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

trunk-list_ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

trunk-list_ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *trunk-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

trunk-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list_ddos

Specification	Value
Type	*object*

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list_bfd

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *trunk-list_bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *trunk-list_bfd_interval-cfg*

Type: Object

per-member-port

Description: per-member-port is a **JSON Block**. Please see below for *trunk-list_bfd_per-member-port*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_bfd_per-member-port

Specification	Value
Type	*object*

ipv6-local

Description IPv6 local-address

Type: string

Format: ipv6-address

ipv6-nbr

Description IPv6 neighbor-address

Type: string

Format: ipv6-address

local-address

Description IPv4 local-address

Type: string

Format: ipv4-address

neighbor-address

Description IPv4 neighbor address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

trunk-list_bfd_authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

trunk-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': some help string; 'num_total_bytes': some help string; 'num_unicast_pkts': some help string; 'num_broadcast_pkts': some help string; 'num_multicast_pkts': some help string; 'num_tx_pkts': some help string; 'num_total_tx_bytes': some help string; 'num_unicast_tx_pkts': some help string; 'num_broadcast_tx_pkts': some help string; 'num_multicast_tx_pkts': some help string; 'dropped_dis_rx_pkts': some help string; 'dropped_rx_pkts': some help string; 'dropped_dis_tx_pkts': some help string; 'dropped_tx_pkts': some help string;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, dropped_dis_rx_pkts, dropped_rx_pkts, dropped_dis_tx_pkts, dropped_tx_pkts

trunk-list_ipv6

Specification	Value
Type	*object*

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *trunk-list_ipv6_access-list-cfg*

Type: Object

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat

Description: nat is a **JSON Block**. Please see below for *trunk-list_ipv6_nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *trunk-list_ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *trunk-list_ipv6_rip*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *trunk-list_ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *trunk-list_ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *trunk-list_ipv6_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

trunk-list_ipv6_router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

hop-limit

Description Set Router Advertisement Hop Limit (default: 255) (Max Router Advertisement Interval (seconds))

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Min Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Max Number of Router Solicitations to process per second)

Type: number

Range: 3-1350

Default: 200

mtu

Description: mtu is a **JSON Block**. Please see below for *trunk-list_ipv6_router-adver_mtu*

Type: Object

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

vrid

Description: vrid is a **JSON Block**. Please see below for *trunk-list_ipv6_router-adver_vrid*

Type: Object

trunk-list_ipv6_router-adver_vrid

Specification	Value
Type	*object*

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ipv6_router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

trunk-list_ipv6_router-adver_mtu

Specification	Value
Type	*object*

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

trunk-list_ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *trunk-list_ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *trunk-list_ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *trunk-list_ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng*

trunk-list_ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk-list_ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *trunk-list_ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

trunk-list_ipv6_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_nat

Specification	Value
Type	*object*

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ipv6_access-list-cfg

Specification	Value
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

trunk-list_ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

trunk-list_ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

trunk-list_ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

trunk-list_ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

trunk-list_ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

trunk-list_ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

trunk-list_ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

trunk-list_spanning-tree

Specification	Value
Type	*object*

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_spanning-tree_instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

trunk-list_nptv6

Specification	Value
Type	*object*

domain-list

Type: List

Reference Object: */axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

trunk-list_nptv6_domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *trunk-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *trunk-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *trunk-list_isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

trunk-list_isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

trunk-list_isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

trunk-list_isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

trunk-list_isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

trunk-list_isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

trunk-list_isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

trunk-list_isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

trunk-list_isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-list_isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

trunk-list_isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

trunk-list_isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

trunk-list_isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

trunk-list_isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

trunk-list_icmpv6-rate-limit

Specification	Value
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

trunk-list_lw-4o6

Specification	Value
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list_icmp-rate-limit

Specification	Value
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

available-eth-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Specification	Value
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *ve-list_access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *ve-list_bfd*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/bfd*

ddos

Description: ddos is a **JSON Block**. Please see below for *ve-list_ddos*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ddos*

gaming-protocol-compliance

Description Enable Gaming Protocol Compliance Check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *ve-list_icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *ve-list_icmpv6-rate-limit*

Type: Object

ifnum

Description Virtual ethernet interface number

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

ip

Description: ip is a **JSON Block**. Please see below for *ve-list_ip*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ve-list_ipv6*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *ve-list_isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/isis*

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs for incoming packets on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *ve-list_lw-4o6*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/lw-4o6*

map

Description: map is a **JSON Block**. Please see below for *ve-list_map*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *ve-list_nptv6*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/nptv6*

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

sampling-enable

Type: List

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip

Specification	Value
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ve-list_ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ve-list_ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ve-list_ip_router*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ve-list_ip_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ve-list_ip_helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ve-list_ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ve-list_ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/router/isis*

ve-list_ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ve-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ve-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ve-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ve-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ve-list_ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ve-list_ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ve-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ve-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ve-list_ip_rip_authentication_str*

Type: Object

ve-list_ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ve-list_ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ve-list_ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ve-list_ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ve-list_ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ve-list_ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ve-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ve-list_ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ve-list_ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ve-list_ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ve-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ve-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ve-list_ddos

Specification	Value
Type	*object*

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

ve-list_bfd

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ve-list_bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *ve-list_bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_bfd_authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ve-list_bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

ve-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': Input packets; 'num_total_bytes': Input bytes; 'num_unicast_pkts': Received unicasts; 'num_broadcast_pkts': Received broadcasts; 'num_multicast_pkts': Received multicasts; 'num_tx_pkts': Transmitted packets; 'num_total_tx_bytes': Transmitted bytes; 'num_unicast_tx_pkts': Transmitted unicasts; 'num_broadcast_tx_pkts': Transmitted broadcasts; 'num_multicast_tx_pkts': Transmitted multicasts; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec; 'load_interval': Load Interval;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd, load_interval

ve-list_ipv6

Specification	Value
Type	*object*

address-list

Type: List

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ve-list_ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/ospf*

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ve-list_ipv6_rip*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ve-list_ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ve-list_ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ve-list_ipv6_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ve-list_ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ve-list_ipv6_rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ve-list_ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ve-list_ipv6_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ve-list_ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ve-list_ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ve-list_ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng*

ve-list_ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ve-list_ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ve-list_ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ve-list_ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ve-list_ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ve-list_ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ve-list_ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ve-list_ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ve-list_ipv6_router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_ipv6_router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

ve-list_map

Specification	Value
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_nptv6

Specification	Value
Type	*object*

domain-list

Type: List

Reference Object: */axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

ve-list_nptv6_domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ve-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ve-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *ve-list_isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

ve-list_isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

ve-list_isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ve-list_isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

ve-list_isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

ve-list_isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

ve-list_isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

ve-list_isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

ve-list_isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ve-list_isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

ve-list_isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ve-list_isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ve-list_isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

ve-list_isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

ve-list_icmpv6-rate-limit

Specification	Value
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

ve-list_lw-4o6

Specification	Value
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list_icmp-rate-limit

Specification	Value
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

brief

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	Value
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *ethernet-list_access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: disable

auto-neg-enable

Description enable auto-negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Description: bfd is a **JSON Block**. Please see below for *ethernet-list_bfd*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/bfd*

cpu-process

Description All Packets to this port are processed by CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cpu-process-dir

Description 'primary': Primary board; 'blade': blade board; 'hash-dip': Hash based on the Destination IP; 'hash-sip': Hash based on the Source IP; 'hash-dmac': Hash based on the Destination MAC; 'hash-smac': Hash based on the Source MAC;

Type: string

Supported Values: primary, blade, hash-dip, hash-sip, hash-dmac, hash-smac

dac-link-training-enable

Description turn on the DAC-IEEE-LINK-TRAINING

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos

Description: ddos is a **JSON Block**. Please see below for *ethernet-list_ddos*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ddos*

duplexity

Description 'Full': Full; 'Half': Half; 'auto': auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

fec-forced-off

Description turn off the FEC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fec-forced-off and fec-forced-on are mutually exclusive

fec-forced-on

Description turn on the FEC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fec-forced-on and fec-forced-off are mutually exclusive

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gaming-protocol-compliance

Description Enable Gaming Protocol Compliance Check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *ethernet-list_icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *ethernet-list_icmpv6-rate-limit*

Type: Object

ifnum

Description Ethernet interface number

Type: number

Format: interface

ip

Description: ip is a **JSON Block**. Please see below for *ethernet-list_ip*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip*

ipg-bit-time

Description Set Inter-packet-gap interval in bit timing, default is 96

Type: number

Range: 64-120

Default: 96

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ethernet-list_ipv6*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *ethernet-list_isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/isis*

l3-vlan-fwd-disable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp

Description: lldp is a **JSON Block**. Please see below for *ethernet-list_lldp*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/lldp*

load-interval

Description Configure Load Interval (Seconds (5-300, Multiple of 5), default 300)

Type: number

Range: 5-300

Default: 300

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *ethernet-list_lw-4o6*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/lw-4o6*

mac-learning

Description 'enable': Enable MAC learning; 'disable': Disable MAC learning; 'dmac-only': Enable destination MAC learning only;

Type: string

Supported Values: enable, disable, dmac-only

map

Description: map is a **JSON Block**. Please see below for *ethernet-list_map*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/map*

media-type-copper

Description Set the media type to copper

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-list

Type: List

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *ethernet-list_nptv6*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl*

ping-sweep-detection

Description 'enable': Enabl ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-breakout

Description '4x10G': Breakout 100G/40G ports into 4x10G ports; '4x25G': Breakout 100G ports into 4x25G ports; '2x50G': Breakout 100G ports into 2x50G ports;

Type: string

Supported Values: 4x10G, 4x25G, 2x50G

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

remove-vlan-tag

Description Remove the vlan tag for egressing packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *ethernet-list_spanning-tree*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/spanning-tree*

speed

Description '10': 10; '100': 100; '1000': 1000; 'auto': auto;

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

speed-forced-10g

Description force the speed to be 10G on 25G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: speed-forced-10g and speed-forced-1g are mutually exclusive

speed-forced-1g

Description force the speed to be 1G on 25G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: speed-forced-1g and speed-forced-10g are mutually exclusive

speed-forced-40g

Description force the speed to be 40G on 100G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-distribution-mode

Description 'sip': sip; 'dip': dip; 'primary': primary; 'blade': blade; 'l4-src-port': l4-src-port; 'l4-dst-port': l4-dst-port;

Type: string

Supported Values: sip, dip, l3-lookup, primary, blade, l4-src-port, l4-dst-port

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-group-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}*

update-l2-info

Description Update and use received L2 information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire

Description Mark ethernet as a virtual wire interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan-learning

Description 'enable': Enable VLAN learning; 'disable': Disable VLAN learning;

Type: string

Supported Values: enable, disable

ethernet-list_map

Specification	Value
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip

Specification	Value
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ethernet-list_ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ethernet-list_ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ethernet-list_ip_router*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ethernet-list_ip_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Configure Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ethernet-list_ip_helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ethernet-list_ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ethernet-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ethernet-list_ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ethernet-list_ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ethernet-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ethernet-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ethernet-list_ip_rip_authentication_str*

Type: Object

ethernet-list_ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ethernet-list_ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ethernet-list_ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ethernet-list_ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ethernet-list_ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ethernet-list_ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router/isis*

ethernet-list_ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ethernet-list_ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ethernet-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ethernet-list_ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ethernet-list_ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ethernet-list_ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ethernet-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ethernet-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ethernet-list_ddos

Specification	Value
Type	*object*

inside

Description DDoS inside (trusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

ethernet-list_bfd

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ethernet-list_bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *ethernet-list_bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_bfd_authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ethernet-list_bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

ethernet-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'runts': Runts; 'giants': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted broadcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions; 'giants_output': Output Giants; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec; 'load_interval': Load Interval; 'drops': Drops;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, runts, giants, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions, giants_output, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd, load_interval, transmit_drops, receive_drops, input_utilization, output_utilization

ethernet-list_monitor-list

Specification	Value
Type	*list*
Block object keys	

mirror-index

Description Mirror index

Type: number

Range: 1-4

Reference Object: */axapi/v3/mirror-port*

monitor

Description 'input': Incoming packets; 'output': Outgoing packets; 'both': Both incoming and outgoing packets;

Type: string

Supported Values: input, output, both

monitor-vlan

Description VLAN number

Type: number

Range: 2-4094

ethernet-list_spanning-tree

Specification	Value
Type	*object*

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_spanning-tree_instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

ethernet-list_lldp

Specification	Value
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *ethernet-list_lldp_enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *ethernet-list_lldp_notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *ethernet-list_lldp_tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *ethernet-list_lldp_tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_lldp_tx-dot1-cfg

Specification	Value
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_lldp_notification-cfg

Specification	Value
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_lldp_tx-tlvs-cfg

Specification	Value
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_lldp_enable-cfg

Specification	Value
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_trunk-group-list

Specification	Value
Type	*list*
Block object keys	

admin-key

Description LACP admin key (Admin key value)

Type: number

Range: 10000-65535

mode

Description 'active': enable initiation of LACP negotiation on a port(default); 'passive': disable initiation of LACP negotiation on a port;

Type: string

Supported Values: active, passive

Default: active

port-priority

Description Set LACP priority for a port (LACP port priority)

Type: number

Range: 1-65535

timeout

Description 'long': Set LACP long timeout (default); 'short': Set LACP short timeout;

Type: string

Supported Values: long, short

Default: long

trunk-number

Description Trunk Number

Type: number

Range: 1-4096

type

Description 'static': Static (default); 'lacp': lacp; 'lacp-udld': lacp-udld;

Type: string

Supported Values: static, lacp, lacp-udld

Default: static

udld-timeout-cfg

Description: udld-timeout-cfg is a **JSON Block**. Please see below for *ethernet-list_trunk-group-list_udld-timeout-cfg*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_trunk-group-list_udld-timeout-cfg

Specification	Value
Type	*object*

fast

Description fast timeout in unit of milli-seconds(default 1000)

Type: number

Range: 100-1000

Default: 1000

Mutual Exclusion: fast and slow are mutually exclusive

slow

Description slow timeout in unit of seconds

Type: number

Range: 1-60

Mutual Exclusion: slow and fast are mutually exclusive

ethernet-list_nptv6

Specification	Value
Type	*object*

domain-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

ethernet-list_nptv6_domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_icmp-rate-limit

Specification	Value
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

ethernet-list_isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ethernet-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ethernet-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *ethernet-list_isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

ethernet-list_isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

ethernet-list_isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ethernet-list_isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

ethernet-list_isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

ethernet-list_isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

ethernet-list_isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

ethernet-list_isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

ethernet-list_isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

ethernet-list_isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ethernet-list_isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

ethernet-list_isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

ethernet-list_isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

ethernet-list_icmpv6-rate-limit

Specification	Value
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

ethernet-list_ipv6

Specification	Value
Type	*object*

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *ethernet-list_ipv6_access-list-cfg*

Type: Object

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ethernet-list_ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ethernet-list_ipv6_rip*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ethernet-list_ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ethernet-list_ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ethernet-list_ipv6_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ethernet-list_ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ethernet-list_ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ethernet-list_ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ethernet-list_ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng*

ethernet-list_ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet-list_ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ethernet-list_ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ethernet-list_ipv6_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_access-list-cfg

Specification	Value
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ethernet-list_ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list_ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ethernet-list_ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ethernet-list_ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ethernet-list_ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ethernet-list_ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ethernet-list_ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ethernet-list_ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ethernet-list_ipv6_router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet-list_ipv6_router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

ethernet-list_lw-4o6

Specification	Value
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

switch-drop-reason

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list

Specification	Value
Type	*list*
Block object keys	

access-list

Description: access-list is a **JSON Block**. Please see below for *lif-list_access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *lif-list_bfd*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/bfd*

encapsulation

Description: encapsulation is a **JSON Block**. Please see below for *lif-list_encapsulation*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/encapsulation*

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

ip

Description: ip is a **JSON Block**. Please see below for *lif-list_ip*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *lif-list_ipv6*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *lif-list_isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/isis*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *lif-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *lif-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *lif-list_isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

lif-list_isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

lif-list_isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

lif-list_isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

lif-list_isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

lif-list_isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

lif-list_isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

lif-list_isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

lif-list_isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

lif-list_isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

lif-list_isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

lif-list_isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

lif-list_isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

lif-list_bfd

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *lif-list_bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *lif-list_bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_bfd_authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

lif-list_bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

lif-list_ip

Specification	Value
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *lif-list_ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *lif-list_ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *lif-list_ip_router*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *lif-list_ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/router/isis*

lif-list_ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *lif-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *lif-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *lif-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *lif-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

lif-list_ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

lif-list_ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *lif-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *lif-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *lif-list_ip_rip_authentication_str*

Type: Object

lif-list_ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

lif-list_ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

lif-list_ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

lif-list_ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

lif-list_ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

lif-list_ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}*

lif-list_ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

lif-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

lif-list_ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

lif-list_ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

lif-list_ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *lif-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

lif-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

lif-list_access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

lif-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': some help string; 'num_total_bytes': some help string; 'num_unicast_pkts': some help string; 'num_broadcast_pkts': some help string; 'num_multicast_pkts': some help string; 'num_tx_pkts': some help string; 'num_total_tx_bytes': some help string; 'num_unicast_tx_pkts': some help string; 'num_broadcast_tx_pkts': some help string; 'num_multicast_tx_pkts': some help string; 'dropped_dis_rx_pkts': some help string; 'dropped_rx_pkts': some help string; 'dropped_dis_tx_pkts': some help string; 'dropped_tx_pkts': some help string; 'dropped_rx_pkts_gre_key': some help string;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, dropped_dis_rx_pkts, dropped_rx_pkts, dropped_dis_tx_pkts, dropped_tx_pkts, dropped_rx_pkts_gre_key

lif-list_ipv6

Specification	Value
Type	*object*

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *lif-list_ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *lif-list_ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *lif-list_ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *lif-list_ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *lif-list_ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ripng*

lif-list_ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lif-list_ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lif-list_ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

lif-list_ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

lif-list_ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

lif-list_ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

lif-list_ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif-list_ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

lif-list_ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

lif-list_ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

lif-list_encapsulation

Specification	Value
Type	*object*

dot1q

Description: dot1q is a **JSON Block**. Please see below for *lif-list_encapsulation_dot1q*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/encapsulation/dot1q*

lif-list_encapsulation_dot1q

Specification	Value
Type	*object*

ethernet

Description Ethernet Interface (Ethernet port number)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

tag

Description Tag ID

Type: number

Range: 2-4094

trunk

Description Trunk Interface (Trunk number)

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

driver-statistic

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list

Specification	Value
Type	*list*
Block object keys	

ifnum

Description Loopback interface number

Type: number

Format: interface

ip

Description: ip is a **JSON Block**. Please see below for *loopback-list_ip*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *loopback-list_ipv6*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *loopback-list_isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/isis*

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

snmp-server

Description: snmp-server is a **JSON Block**. Please see below for *loopback-list_snmp-server*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *loopback-list_isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *loopback-list_isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *loopback-list_isis_mesh-group*

Type: Object

metric-list

Type: List

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

loopback-list_isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

loopback-list_isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

loopback-list_isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

loopback-list_isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

loopback-list_isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

loopback-list_isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

loopback-list_isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

loopback-list_isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

loopback-list_isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

loopback-list_isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

loopback-list_isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

loopback-list_isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

loopback-list_snmp-server

Specification	Value
Type	*object*

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ip

Specification	Value
Type	*object*

address-list

Type: List

ospf

Description: ospf is a **JSON Block**. Please see below for *loopback-list_ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *loopback-list_ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *loopback-list_ip_router*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

loopback-list_ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

loopback-list_ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

loopback-list_ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

loopback-list_ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

loopback-list_ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *loopback-list_ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

loopback-list_ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

loopback-list_ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *loopback-list_ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *loopback-list_ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *loopback-list_ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *loopback-list_ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

loopback-list_ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

loopback-list_ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *loopback-list_ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *loopback-list_ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *loopback-list_ip_rip_authentication_str*

Type: Object

loopback-list_ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

loopback-list_ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

loopback-list_ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

loopback-list_ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

loopback-list_ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *loopback-list_ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/router/isis*

loopback-list_ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6

Specification	Value
Type	*object*

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *loopback-list_ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *loopback-list_ipv6_rip*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *loopback-list_ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ipv6_rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *loopback-list_ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

loopback-list_ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *loopback-list_ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *loopback-list_ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *loopback-list_ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng*

loopback-list_ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

loopback-list_ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

loopback-list_ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

loopback-list_ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

loopback-list_ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

loopback-list_ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

loopback-list_ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

loopback-list_ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

loopback-list_ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.2 interface available-eth-list

List of ethernet interfaces available in a partition

available-eth-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	available-eth-list
Element URI	/axapi/v3/interface/available-eth-list
Element Attributes	available-eth-list_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/interface/available-eth-list/oper
Schema	`available-eth-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/available-eth-list

available-eth-list attributes

Get Object

GET

/axapi/v3/interface/available-eth-list

available-eth-list attributes

Modify Object

POST

/axapi/v3/interface/available-eth-list

available-eth-list attributes

Replace Object

PUT

/axapi/v3/interface/available-eth-list

available-eth-list attributes

Delete Object

DELETE

/axapi/v3/interface/available-eth-list

available-eth-list attributes

available-eth-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.3 interface available-eth-list oper

Operational Status for the object available-eth-list

available-eth-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	available-eth-list
Element URI	/axapi/v3/interface/available-eth-list/oper
Element Attributes	available-eth-list_attributes
Partition Visibility	None
Schema	`available-eth-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/available-eth-list/oper

available-eth-list attributes

Get Object

GET

/axapi/v3/interface/available-eth-list/oper

available-eth-list attributes

Modify Object

POST

/axapi/v3/interface/available-eth-list/oper

available-eth-list attributes

Replace Object

PUT

/axapi/v3/interface/available-eth-list/oper

available-eth-list attributes

Delete Object

DELETE

/axapi/v3/interface/available-eth-list/oper

available-eth-list attributes

available-eth-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

if-list

Type: List

tot_num_of_ports

Description

Type: number

oper_if-list

Specification	Value
Type	*list*
Block object keys	

IF-Num

Description

Type: number

IF-Status

Description

Type: string

IF-Type

Description

Type: string

state

Description

Type: string

2.63.4 interface brief

Interface statistics information

brief Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	brief
Element URI	/axapi/v3/interface/brief
Element Attributes	brief_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/interface/brief/oper
Schema	`brief schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/brief

brief attributes

Get Object

GET

/axapi/v3/interface/brief

brief attributes

Modify Object

POST

/axapi/v3/interface/brief

brief attributes

Replace Object

PUT

/axapi/v3/interface/brief

brief attributes

Delete Object

DELETE

/axapi/v3/interface/brief

brief attributes

brief attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.5 interface brief oper

Operational Status for the object brief

brief Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	brief
Element URI	/axapi/v3/interface/brief/oper
Element Attributes	brief_attributes
Partition Visibility	None
Schema	`brief schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/brief/oper

brief attributes

Get Object

GET

/axapi/v3/interface/brief/oper

brief attributes

Modify Object

POST

/axapi/v3/interface/brief/oper

brief attributes

Replace Object

PUT

/axapi/v3/interface/brief/oper

brief attributes

Delete Object

DELETE

/axapi/v3/interface/brief/oper

brief attributes

brief attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

interfaces

Type: List

oper_interfaces

Specification	Value
Type	*list*
Block object keys	

duplexity

Description

Type: string

encap_info

Description

Type: string

intf_name

Description

Type: string

ipv4_addr

Description IP address

Type: string

Format: ipv4-address

ipv4_addr_count

Description

Type: number

ipv4_mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv6_addr

Description IP address

Type: string

Format: ipv6-address

ipv6_addr_count

Description

Type: number

ipv6_prefix

Description IP subnet mask

Type: string

mac

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

port_num

Description

Type: string

speed

Description

Type: string

state

Description

Type: string

trunk_group

Description

Type: string

unnumbered_oper

Description

Type: string

vlan_info

Description

Type: string

2.63.6 interface common

Interface statistics information

common Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/interface/common
Element Attributes	common_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/interface/common/oper
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/common

common attributes

Get Object

GET

/axapi/v3/interface/common

common attributes

Modify Object

POST

/axapi/v3/interface/common

common attributes

Replace Object

PUT

/axapi/v3/interface/common

common attributes

Delete Object

DELETE

/axapi/v3/interface/common

common attributes

common attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.7 interface common oper

Operational Status for the object common

common Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/interface/common/oper
Element Attributes	common_attributes
Partition Visibility	None
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/common/oper

common attributes

Get Object

GET

/axapi/v3/interface/common/oper

common attributes

Modify Object

POST

/axapi/v3/interface/common/oper

common attributes

Replace Object

PUT

/axapi/v3/interface/common/oper

common attributes

Delete Object

DELETE

/axapi/v3/interface/common/oper

common attributes

common attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

interfaces

Type: List

interval

Description

Type: number

time

Description

Type: string

tot_num_phy_intf

Description

Type: number

vnp_id

Description

Type: number

oper_interfaces

Specification	Value
Type	*list*
Block object keys	

input-utilization

Description

Type: number

is_part_default_vlan

Description

Type: string

output-utilization

Description

Type: number

port-num

Description

Type: string

port-type

Description

Type: string

rate-byte-rcvd

Description

Type: number

rate-byte-sent

Description

Type: number

rate-pkt-rcvd

Description

Type: number

rate-pkt-sent

Description

Type: number

span-tree

Description

Type: string

total_lane

Description

Type: number

transceivers_info

Type: List

type_vendor_part

Description

Type: string

oper_interfaces_transceivers_info

Specification	Value
Type	*list*
Block object keys	

curr

Description

Type: string

hi_alarm

Description

Type: string

hi_warn

Description

Type: string

lane

Description

Type: number

lo_alarm

Description

Type: string

lo_warn

Description

Type: string

transceiver-type

Description

Type: string

2.63.8 interface driver-statistic oper

Operational Status for the object driver-statistic

driver-statistic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	driver-statistic
Element URI	/axapi/v3/interface/driver-statistic/oper
Element Attributes	driver-statistic_attributes
Partition Visibility	None
Schema	`driver-statistic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/driver-statistic/oper

driver-statistic attributes

Get Object

GET

/axapi/v3/interface/driver-statistic/oper

driver-statistic attributes

Modify Object

POST

/axapi/v3/interface/driver-statistic/oper

driver-statistic attributes

Replace Object

PUT

/axapi/v3/interface/driver-statistic/oper

driver-statistic attributes

Delete Object

DELETE

/axapi/v3/interface/driver-statistic/oper

driver-statistic attributes

driver-statistic attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

interfaces

Type: List

oper_interfaces

Specification	Value
Type	*list*
Block object keys	

IF-Type

Description

Type: string

port_num

Description

Type: number

rxpkts1024to1518_counts

Description

Type: number

rxpkts128to255_counts

Description

Type: number

rxpkts1519toMax_counts

Description

Type: number

rxpkts256to511_counts

Description

Type: number

rxpkts512to1023_counts

Description

Type: number

rxpkts64_counts

Description

Type: number

rxpkts65to127_counts

Description

Type: number

txpkts1024to1518_counts

Description

Type: number

txpkts128to255_counts

Description

Type: number

txpkts1519toMax_counts

Description

Type: number

txpkts256to511_counts

Description

Type: number

txpkts512to1023_counts

Description

Type: number

txpkts64_counts

Description

Type: number

txpkts65to127_counts

Description

Type: number

2.63.9 interface ethernet

Ethernet interface

ethernet Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/interface/ethernet
Element Name	ethernet
Element URI	/axapi/v3/interface/ethernet/{ifnum}
Element Attributes	ethernet_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/interface/ethernet/{ifnum}/stats
Operational Data URI	/axapi/v3/interface/ethernet/{ifnum}/oper
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet

ethernet attributes

```
POST /axapi/v3/interface/ethernet/1
Payload:
{
    "ethernet": {
        "ifnum": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

```
GET /axapi/v3/interface/ethernet/1
Reponse:
{
    "ethernet": {
        "ifnum": 1,
        "port-scan-detection": "disable",
        "ping-sweep-detection": "disable",
        "l3-vlan-fwd-disable": 0,
        "load-interval": 300,
        "mtu": 1500,
        "trap-source": 0,
        "action": "disable",
        "virtual-wire": 0,
        "uuid": "09197e1a-b599-11ef-813d-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/ethernet/1"
    }
}
```

Get List

GET

/axapi/v3/interface/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

```
PUT /axapi/v3/interface/ethernet/1
```

(continues on next page)

(continued from previous page)

```
Payload:
{
    "ethernet": {
        "ifnum": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

```
DELETE /axapi/v3/interface/ethernet/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

ethernet-list : [

{ *ethernet attributes* },

{ *ethernet attributes* },

...

]

ethernet attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: disable

auto-neg-enable

Description enable auto-negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/bfd*

cpu-process

Description All Packets to this port are processed by CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cpu-process-dir

Description 'primary': Primary board; 'blade': blade board; 'hash-dip': Hash based on the Destination IP; 'hash-sip': Hash based on the Source IP; 'hash-dmac': Hash based on the Destination MAC; 'hash-smac': Hash based on the Source MAC;

Type: string

Supported Values: primary, blade, hash-dip, hash-sip, hash-dmac, hash-smac

dac-link-training-enable

Description turn on the DAC-IEEE-LINK-TRAINING

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ddos*

duplexity

Description 'Full': Full; 'Half': Half; 'auto': auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

fec-forced-off

Description turn off the FEC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fec-forced-off and fec-forced-on are mutually exclusive

fec-forced-on

Description turn on the FEC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fec-forced-on and fec-forced-off are mutually exclusive

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gaming-protocol-compliance

Description Enable Gaming Protocol Compliance Check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *icmpv6-rate-limit*

Type: Object

ifnum

Description Ethernet interface number

Type: number

Format: interface

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip*

ipg-bit-time

Description Set Inter-packet-gap interval in bit timing, default is 96

Type: number

Range: 64-120

Default: 96

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/isis*

l3-vlan-fwd-disable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp

Description: lldp is a **JSON Block**. Please see below for *lldp*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/lldp*

load-interval

Description Configure Load Interval (Seconds (5-300, Multiple of 5), default 300)

Type: number

Range: 5-300

Default: 300

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *lw-4o6*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/lw-4o6*

mac-learning

Description 'enable': Enable MAC learning; 'disable': Disable MAC learning; 'dmac-only': Enable destination MAC learning only;

Type: string

Supported Values: enable, disable, dmac-only

map

Description: map is a **JSON Block**. Please see below for *map*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/map*

media-type-copper

Description Set the media type to copper

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-list

Type: List

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *nptv6*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6*

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/interface-ethernet-tmpl*

ping-sweep-detection

Description 'enable': Enabl ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-breakout

Description '4x10G': Breakout 100G/40G ports into 4x10G ports; '4x25G': Breakout 100G ports into 4x25G ports; '2x50G': Breakout 100G ports into 2x50G ports;

Type: string

Supported Values: 4x10G, 4x25G, 2x50G

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

remove-vlan-tag

Description Remove the vlan tag for egressing packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *spanning-tree*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/spanning-tree*

speed

Description '10': 10; '100': 100; '1000': 1000; 'auto': auto;

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

speed-forced-10g

Description force the speed to be 10G on 25G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: speed-forced-10g and speed-forced-1g are mutually exclusive

speed-forced-1g

Description force the speed to be 1G on 25G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: speed-forced-1g and speed-forced-10g are mutually exclusive

speed-forced-40g

Description force the speed to be 40G on 100G link

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-distribution-mode

Description 'sip': sip; 'dip': dip; 'primary': primary; 'blade': blade; 'l4-src-port': l4-src-port; 'l4-dst-port': l4-dst-port;

Type: string

Supported Values: sip, dip, l3-lookup, primary, blade, l4-src-port, l4-dst-port

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-group-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}*

update-l2-info

Description Update and use received L2 information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire

Description Mark ethernet as a virtual wire interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan-learning

Description 'enable': Enable VLAN learning; 'disable': Disable VLAN learning;

Type: string

Supported Values: enable, disable

map

Specification	Value
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	Value
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ip_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Configure Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router/isis*

ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ddos

Specification	Value
Type	*object*

inside

Description DDoS inside (trusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

bfd

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'runts': Runts; 'giants': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted broadcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions; 'giants_output': Output Giants; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec; 'load_interval': Load Interval; 'drops': Drops;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, runts, giants, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions, giants_output, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd, load_interval, transmit_drops, receive_drops, input_utilization, output_utilization

monitor-list

Specification	Value
Type	*list*
Block object keys	

mirror-index

Description Mirror index

Type: number

Range: 1-4

Reference Object: */axapi/v3/mirror-port*

monitor

Description 'input': Incoming packets; 'output': Outgoing packets; 'both': Both incoming and outgoing packets;

Type: string

Supported Values: input, output, both

monitor-vlan

Description VLAN number

Type: number

Range: 2-4094

spanning-tree

Specification	Value
Type	*object*

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

lldp

Specification	Value
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *lldp_enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *lldp_notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *lldp_tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *lldp_tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_tx-dot1-cfg

Specification	Value
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_notification-cfg

Specification	Value
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_tx-tlvs-cfg

Specification	Value
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_enable-cfg

Specification	Value
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk-group-list

Specification	Value
Type	*list*
Block object keys	

admin-key

Description LACP admin key (Admin key value)

Type: number

Range: 10000-65535

mode

Description 'active': enable initiation of LACP negotiation on a port(default); 'passive': disable initiation of LACP negotiation on a port;

Type: string

Supported Values: active, passive

Default: active

port-priority

Description Set LACP priority for a port (LACP port priority)

Type: number

Range: 1-65535

timeout

Description 'long': Set LACP long timeout (default); 'short': Set LACP short timeout;

Type: string

Supported Values: long, short

Default: long

trunk-number

Description Trunk Number

Type: number

Range: 1-4096

type

Description 'static': Static (default); 'lacp': lacp; 'lacp-udld': lacp-udld;

Type: string

Supported Values: static, lacp, lacp-udld

Default: static

udld-timeout-cfg

Description: udld-timeout-cfg is a **JSON Block**. Please see below for *trunk-group-list_udld-timeout-cfg*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-group-list_udld-timeout-cfg

Specification	Value
Type	*object*

fast

Description fast timeout in unit of milli-seconds(default 1000)

Type: number

Range: 100-1000

Default: 1000

Mutual Exclusion: fast and slow are mutually exclusive

slow

Description slow timeout in unit of seconds

Type: number

Range: 1-60

Mutual Exclusion: slow and fast are mutually exclusive

nptv6

Specification	Value
Type	*object*

domain-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

nptv6_domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate-limit

Specification	Value
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

icmpv6-rate-limit

Specification	Value
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

ipv6

Specification	Value
Type	*object*

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *ipv6_access-list-cfg*

Type: Object

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ipv6_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ipv6_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_access-list-cfg

Specification	Value
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

lw-4o6

Specification	Value
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.10 interface ethernet bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/interface/ethernet/{ifnum}/bfd
Element Attributes	bfd_attributes
Partition Visibility	shared
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

```
POST /axapi/v3/interface/ethernet/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "md5",
            "key-id": 0,
            "password": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

```
GET /axapi/v3/interface/ethernet/1/bfd
Reponse:
{
    "bfd": {
        "authentication": {
            "key-id": 0,
            "method": "md5",
            "encrypted":
↪"6rTSNT7f+CW5kjYJHMClQlKfQ7NpWDbV92J+xqxCGgmCWG3e8tiOpPGXMPF9CPWd"
```

(continues on next page)

(continued from previous page)

```
        },
        "echo": 0,
        "uuid": "9c761e52-b59e-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

```
PUT /axapi/v3/interface/ethernet/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "meticulous-md5",
            "key-id": 1,
            "password": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/bfd

bfd attributes

```
DELETE /axapi/v3/interface/ethernet/1/bfd
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bfd attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

2.63.11 interface ethernet ddos

Global DDoS configuration subcommands

ddos Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ddos
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ddos
Element Attributes	ddos_attributes
Partition Visibility	shared
Schema	`ddos schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ddos

ddos attributes

```
POST /axapi/v3/interface/ethernet/1/ddos
Payload:
{
    "ddos": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ddos

ddos attributes

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ddos

ddos attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ddos

ddos attributes

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ddos

ddos attributes

ddos attributes

inside

Description DDoS inside (trusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.12 interface ethernet ip

Global IP configuration subcommands

ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/ethernet/1/ip
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "ip": {
        "stateful-firewall": {
            "inside": 1
        },
        "dhcp": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/ethernet/1/ip
Reponse:
{
    "ip": {
        "dhcp": 1,
        "allow-promiscuous-vip": 0,
        "cache-spoofing-port": 0,
        "inside": 0,
        "outside": 0,
        "ttl-ignore": 0,
        "syn-cookie": 0,
        "slb-partition-redirect": 0,
        "generate-membership-query": 0,
        "client": 0,
        "server": 0,
        "dmz": 0,
        "unnumbered": 0,
        "uuid": "e584cbac-b59e-11ef-bcb4-ae71681635d0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "e584e808-b59e-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/ethernet/1/ip/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/ethernet/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/ethernet/1/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abcd"
        },
        "dhcp": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/ethernet/1/ip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip attributes

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Configure Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router/isis*

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.13 interface ethernet ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/ethernet/1/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "network": {
                "broadcast": 0
            },
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "019b1a80-b59f-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/ethernet/1/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.14 interface ethernet ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Partition Visibility	shared
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/ethernet/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/ethernet/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
```

(continues on next page)

(continued from previous page)

```
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "1fcee5c2-b59f-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/ethernet/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.15 interface ethernet ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Partition Visibility	shared
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

…

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.63.16 interface ethernet ip rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/ethernet/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/ethernet/1/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
```

(continues on next page)

(continued from previous page)

```
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "9dab72f8-b59f-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/ethernet/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/ethernet/1/ip/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.63.17 interface ethernet ip router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ip/router/isis*

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.18 interface ethernet ip router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/ethernet/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/ethernet/1/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "02843c8c-b5a0-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/ethernet/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/ethernet/1/ip/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.19 interface ethernet ip stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall
Element Attributes	stateful-firewall_attributes
Partition Visibility	shared
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/ethernet/1/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/ethernet/1/ip/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "26710f30-b5a0-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ip/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/ethernet/1/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.20 interface ethernet ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
            "inside": 1
        },
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6
Reponse:
{
    "ipv6": {
        "address-list": [
```

(continues on next page)

(continued from previous page)


```
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ],
        "inside": 0,
        "outside": 0,
        "ipv6-enable": 0,
        "ttl-ignore": 0,
        "router-adver": {
            "action": "disable",
            "hop-limit": 255,
            "max-interval": 600,
            "min-interval": 200,
            "default-lifetime": 1800,
            "rate-limit": 100000,
            "reachable-time": 0,
            "retransmit-timer": 0,
            "adver-mtu-disable": 1,
            "managed-config-action": "disable",
            "other-config-action": "disable",
            "adver-vrid-default": 0
        },
        "uuid": "596b450e-b5a0-11ef-bcb4-ae71681635d0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "596eb0d6-b5a0-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6"
    }
}
```


Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes


```
PUT /axapi/v3/interface/ethernet/1/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
```


(continues on next page)

(continued from previous page)

```
            "inside": 1,
            "class-list": "abc"
        },
        "address-list": [
            {
                "ipv6-addr": "fe80::1/64",
                "address-type": "link-local"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6 attributes

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *access-list-cfg*

Type: Object

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet before sending out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list-cfg

Specification	Value
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

2.63.21 interface ethernet ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
```

(continues on next page)

(continued from previous page)

```
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/ospf
Reponse:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint",
                "p2mp-nbma": 0,
                "network-instance-id": 0
            }
        ],
        "bfd": 0,
        "uuid": "8420ef56-b5a0-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.22 interface ethernet ipv6 rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/rip
Reponse:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "a7fa9990-b5a0-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "disable"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/rip

rip attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

2.63.23 interface ethernet ipv6 router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router

router_attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/router
Reponse:
{
    "router": {
        "ripng": {
            "rip": 1,
            "uuid": "d056c710-b5a0-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router/ripng"
        },
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng*

ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.24 interface ethernet ipv6 router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "edee6b84-b5a0-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.25 interface ethernet ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
        "uuid": "0d576386-b5a1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/router/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.63.26 interface ethernet ipv6 router ripng

ripng

ripng Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Partition Visibility	shared
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "2bcdf05a-b5a1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/ethernet/1/ipv6/router/ripng
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.27 interface ethernet ipv6 stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall
Element Attributes	stateful-firewall_attributes
Partition Visibility	shared
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/ethernet/1/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/ethernet/1/ipv6/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "4e740360-b5a1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/ipv6/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/ethernet/1/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.28 interface ethernet isis

ISIS

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ethernet/{ifnum}/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

```
POST /axapi/v3/interface/ethernet/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

```
GET /axapi/v3/interface/ethernet/1/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "72f2746a-b5a1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/isis"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

```
PUT /axapi/v3/interface/ethernet/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/isis

isis attributes

```
DELETE /axapi/v3/interface/ethernet/1/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.63.29 interface ethernet lldp

Interface lldp configuration

lldp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lldp
Element URI	/axapi/v3/interface/ethernet/{ifnum}/lldp
Element Attributes	lldp_attributes
Partition Visibility	shared
Schema	`lldp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

```
POST /axapi/v3/interface/ethernet/1/lldp
Payload:
{
    "lldp": {
        "enable-cfg": {
            "rt-enable": 1,
            "rx": 1,
            "tx": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

```
GET /axapi/v3/interface/ethernet/1/lldp
Reponse:
{
    "lldp": {
        "enable-cfg": {
            "rt-enable": 1,
            "rx": 1,
            "tx": 1
        },
```

(continues on next page)

(continued from previous page)

```
        "notification-cfg": {
            "notification": 0
        },
        "tx-dot1-cfg": {
            "tx-dot1-tlvs": 0
        },
        "tx-tlvs-cfg": {
            "tx-tlvs": 0
        },
        "uuid": "9112927c-b5a1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/lldp"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/lldp

lldp attributes

```
DELETE /axapi/v3/interface/ethernet/1/lldp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

lldp attributes

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tx-dot1-cfg

Specification	Value
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification-cfg

Specification	Value
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs-cfg

Specification	Value
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-cfg

Specification	Value
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.63.30 interface ethernet lw-4o6

Configure LW-4over6 interface

lw-4o6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lw-4o6
Element URI	/axapi/v3/interface/ethernet/{ifnum}/lw-4o6
Element Attributes	lw-4o6_attributes
Partition Visibility	shared
Schema	`lw-4o6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

```
POST /axapi/v3/interface/ethernet/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

```
GET /axapi/v3/interface/ethernet/1/lw-4o6
Reponse:
{
    "lw-4o6": {
        "outside": 1,
        "inside": 0,
        "uuid": "c05b32b4-b5a1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/lw-4o6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

```
PUT /axapi/v3/interface/ethernet/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/lw-4o6

lw-4o6 attributes

lw-4o6 attributes

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.31 interface ethernet map

Configure MAP on this interface

map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	map
Element URI	/axapi/v3/interface/ethernet/{ifnum}/map
Element Attributes	map_attributes
Partition Visibility	shared
Schema	`map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

```
POST /axapi/v3/interface/ethernet/1/map
Payload:
{
    "map": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

```
GET /axapi/v3/interface/ethernet/1/map
Reponse:
{
    "map": {
        "inside": 1,
        "outside": 0,
        "map-t-inside": 0,
        "map-t-outside": 0,
        "uuid": "ddd51526-b5a1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/map"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

```
PUT /axapi/v3/interface/ethernet/1/map
Payload:
{
    "map": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/map

map attributes

map attributes

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.32 interface ethernet nptv6

Configure NPTv6 on this interface

nptv6 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	nptv6
Element URI	/axapi/v3/interface/ethernet/{ifnum}/nptv6
Element Attributes	nptv6_attributes
Partition Visibility	shared
Schema	`nptv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/nptv6

nptv6_attributes

nptv6 attributes

domain-list

Type: List

Reference Object: */axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.33 interface ethernet nptv6 domain

Apply NPTv6 translation domain on interface

domain Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*domain-name, bind-type*
Collection Name	*domain-list*
Collection URI	/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain
Element Name	domain
Element URI	/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}
Element Attributes	domain_attributes
Partition Visibility	shared
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain

domain attributes

Create List

POST

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain

domain attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Get List

GET

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain

domain-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace List

PUT

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain

domain-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.34 interface ethernet oper

Operational Status for the object ethernet

ethernet Specification

Parameter	Value
Type	*Collection*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/interface/ethernet/{ifnum}
Element Name	ethernet
Element URI	/axapi/v3/interface/ethernet/{ifnum}/oper
Element Attributes	ethernet_attributes
Partition Visibility	None
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

Create List

POST

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/oper

ethernet attributes

Get List

GET

/axapi/v3/interface/ethernet/{ifnum}

ethernet-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/oper

ethernet attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/oper

ethernet attributes

Replace List

PUT

/axapi/v3/interface/ethernet/{ifnum}

ethernet-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/oper

ethernet attributes

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

```
ethernet-list : [
        { ethernet attributes },
        { ethernet attributes },
        ...
    ]
```

ethernet attributes

ifnum

Description Ethernet interface number

Type: number

Format: interface

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

actual_duplexity

Description

Type: string

Supported Values: Full, fdx, Half, hdx, auto

actual_speed

Description

Type: string

Supported Values: 10Mbit, 100Mbit, 1Gbit, 10Gbit, 40Gbit, unknown

config_duplexity

Description

Type: string

Supported Values: Full, fdx, Half, hdx, auto

config_speed

Description

Type: string

Supported Values: 10Mbit, 100Mbit, 1Gbit, 10Gbit, 40Gbit, auto

current_vnp_id

Description

Type: number

icmp-rate-limit-current

Description

Type: number

icmp-rate-over-limit-drop

Description

Type: number

icmp6-rate-limit-current

Description

Type: number

icmp6-rate-over-limit-drop

Description

Type: number

igmp-query-sent

Description

Type: number

incoming_pkts_mirrored

Description

Type: number

incoming_pkts_monitored

Description

Type: number

input_utilization

Description

Type: number

ip_unnumbered_enabled

Description

Type: number

ip_unnumbered_mac_learned

Description

Type: number

ip_unnumbered_oper

Description

Type: number

ip_unnumbered_peer_lla

Description

Type: string

Format: ipv6-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv4_addr_count

Description

Type: number

ipv4_list

Type: List

ipv6-link-local

Description

Type: string

Format: ipv6-address

ipv6-link-local-prefix

Description

Type: string

ipv6-link-local-scope

Description

Type: string

ipv6-link-local-type

Description

Type: string

ipv6_addr_count

Description

Type: number

ipv6_list

Type: List

is-tagged

Description

Type: number

is_blocked

Description

Type: number

is_device_transparent

Description

Type: number

is_lead_member

Description

Type: number

is_pristine

Description

Type: number

last_count_clear_at

Description

Type: string

last_down_event_at

Description

Type: string

last_up_event_at

Description

Type: string

line_protocol

Description

Type: string

Supported Values: up, down

link_type

Description

Type: string

Supported Values: GigabitEthernet, 10Gig, 40Gig

mac

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

media_type

Description

Type: string

Supported Values: Copper, Fiber

outgoing_pkts_mirrored

Description

Type: number

outgoing_pkts_monitored

Description

Type: number

output_utilization

Description

Type: number

port_vnp_id

Description

Type: number

rate_byte_rcvd

Description

Type: number

rate_byte_sent

Description

Type: number

rate_pkt_rcvd

Description

Type: number

rate_pkt_sent

Description

Type: number

span_mode

Description

Type: string

span_port_state

Description

Type: string

state

Description

Type: string

Supported Values: up, disabled, down

tagged-vlan-list

Description

Type: string

vlan-id

Description

Type: number

oper_ipv4_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv4-address

mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

oper_ipv6_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv6-address

is_anycast

Description

Type: number

prefix

Description IP subnet mask

Type: string

2.63.35 interface ethernet spanning-tree

Spanning tree port configuration

spanning-tree Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	spanning-tree
Element URI	/axapi/v3/interface/ethernet/{ifnum}/spanning-tree
Element Attributes	spanning-tree_attributes
Partition Visibility	shared
Schema	`spanning-tree schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

```
POST /axapi/v3/interface/ethernet/1/spanning-tree
Payload:
{
    "spanning-tree": {
        "auto-edge": 1
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

```
GET /axapi/v3/interface/ethernet/1/spanning-tree
Reponse:
{
    "spanning-tree": {
        "auto-edge": 1,
        "admin-edge": 1,
        "uuid": "44c55822-b5a2-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ethernet/1/spanning-tree"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

```
PUT /axapi/v3/interface/ethernet/1/spanning-tree
Payload:
{
    "spanning-tree": {
        "admin-edge": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/spanning-tree

spanning-tree attributes

```
DELETE /axapi/v3/interface/ethernet/1/spanning-tree
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

spanning-tree attributes

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

2.63.36 interface ethernet stats

Statistics for the object ethernet

ethernet Specification

Parameter	Value
Type	*Collection*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/interface/ethernet/{ifnum}
Element Name	ethernet
Element URI	/axapi/v3/interface/ethernet/{ifnum}/stats
Element Attributes	ethernet_attributes
Partition Visibility	None
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

Create List

POST

/axapi/v3/interface/ethernet/{ifnum}

ethernet attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/stats

ethernet attributes

Get List

GET

/axapi/v3/interface/ethernet/{ifnum}

ethernet-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/stats

ethernet attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/stats

ethernet attributes

Replace List

PUT

/axapi/v3/interface/ethernet/{ifnum}

ethernet-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/stats

ethernet attributes

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

```
ethernet-list : [
        { ethernet attributes },
        { ethernet attributes },
        ...
    ]
```

ethernet attributes

ifnum

Description Ethernet interface number

Type: number

Format: interface

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bytes_input

Description Input bytes

Type: number

Format: counter

bytes_output

Description Output bytes

Type: number

Format: counter

collisions

Description Collisions

Type: number

Format: counter

crc

Description CRC

Type: number

Format: counter

frame

Description Frames

Type: number

Format: counter

giants

Description Giants

Type: number

Format: counter

giants_output

Description Output Giants

Type: number

Format: counter

input_errors

Description Input errors

Type: number

Format: counter

input_utilization

Description Input Utilization

Type: number

Format: counter

load_interval

Description Load Interval

Type: number

Format: counter

output_errors

Description Output errors

Type: number

Format: counter

output_utilization

Description Output Utilization

Type: number

Format: counter

packets_input

Description Input packets

Type: number

Format: counter

packets_output

Description Output packets

Type: number

Format: counter

rate_byte_rcvd

Description Byte received rate bits/sec

Type: number

Format: counter

rate_byte_sent

Description Byte sent rate bits/sec

Type: number

Format: counter

rate_pkt_rcvd

Description Packet received rate packets/sec

Type: number

Format: counter

rate_pkt_sent

Description Packet sent rate packets/sec

Type: number

Format: counter

receive_drops

Description Receive Drops

Type: number

Format: counter

received_broadcasts

Description Received broadcasts

Type: number

Format: counter

received_multicasts

Description Received multicasts

Type: number

Format: counter

received_unicasts

Description Received unicasts

Type: number

Format: counter

runts

Description Runts

Type: number

Format: counter

transmit_drops

Description Transmit Drops

Type: number

Format: counter

transmitted_broadcasts

Description Transmitted broadcasts

Type: number

Format: counter

transmitted_multicasts

Description Transmitted multicasts

Type: number

Format: counter

transmitted_unicasts

Description Transmitted unicasts

Type: number

Format: counter

2.63.37 interface ethernet trunk-group

Trunk Group Settings

trunk-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*trunk-number*
Collection Name	*trunk-group-list*
Collection URI	/axapi/v3/interface/ethernet/{ifnum}/trunk-group
Element Name	trunk-group
Element URI	/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}
Element Attributes	trunk-group_attributes
Partition Visibility	shared
Schema	`trunk-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ethernet/{ifnum}/trunk-group

trunk-group attributes

Create List

POST

/axapi/v3/interface/ethernet/{ifnum}/trunk-group

trunk-group attributes

Get Object

GET

/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}

trunk-group attributes

Get List

GET

/axapi/v3/interface/ethernet/{ifnum}/trunk-group

trunk-group-list

Modify Object

POST

/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}

trunk-group attributes

Replace Object

PUT

/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}

trunk-group attributes

Replace List

PUT

/axapi/v3/interface/ethernet/{ifnum}/trunk-group

trunk-group-list

Delete Object

DELETE

/axapi/v3/interface/ethernet/{ifnum}/trunk-group/{trunk-number}

trunk-group attributes

trunk-group-list

trunk-group-list is **JSON List** of *trunk-group attributes*

```
trunk-group-list : [
        { trunk-group attributes },
        { trunk-group attributes },
        ...
    ]
```

trunk-group attributes

admin-key

Description LACP admin key (Admin key value)

Type: number

Range: 10000-65535

mode

Description 'active': enable initiation of LACP negotiation on a port(default); 'passive': disable initiation of LACP negotiation on a port;

Type: string

Supported Values: active, passive

Default: active

port-priority

Description Set LACP priority for a port (LACP port priority)

Type: number

Range: 1-65535

timeout

Description 'long': Set LACP long timeout (default); 'short': Set LACP short timeout;

Type: string

Supported Values: long, short

Default: long

trunk-number

Description Trunk Number

Type: number

Range: 1-4096

type

Description 'static': Static (default); 'lacp': lacp; 'lacp-udld': lacp-udld;

Type: string

Supported Values: static, lacp, lacp-udld

Default: static

udld-timeout-cfg

Description: udld-timeout-cfg is a **JSON Block**. Please see below for *udld-timeout-cfg*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udld-timeout-cfg

Specification	Value
Type	*object*

fast

Description fast timeout in unit of milli-seconds(default 1000)

Type: number

Range: 100-1000

Default: 1000

Mutual Exclusion: fast and slow are mutually exclusive

slow

Description slow timeout in unit of seconds

Type: number

Range: 1-60

Mutual Exclusion: slow and fast are mutually exclusive

2.63.38 interface lif

Logical interface

lif Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifname*
Collection Name	*lif-list*
Collection URI	/axapi/v3/interface/lif
Element Name	lif
Element URI	/axapi/v3/interface/lif/{ifname}
Element Attributes	lif_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/interface/lif/{ifname}/stats
Operational Data URI	/axapi/v3/interface/lif/{ifname}/oper
Schema	`lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif

lif attributes

```
POST /axapi/v3/interface/lif/
Payload:
{
    "lif": {
        "ifname": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/lif

lif attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}

lif attributes

```
GET /axapi/v3/interface/lif/a
Reponse:
{
    "lif": {
        "ifname": "a",
        "mtu": 1500,
```

(continues on next page)

(continued from previous page)

```
        "action": "enable",
        "uuid": "c23d02b4-b5a2-11ef-bcb4-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/lif/a"
    }
}
```

Get List

GET

/axapi/v3/interface/lif

lif-list

Modify Object

POST

/axapi/v3/interface/lif/{ifname}

lif attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}

lif attributes

```
PUT /axapi/v3/interface/lif/a
Payload:
{
    "lif": {
        "ifname": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/lif

lif-list

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}

lif attributes

```
DELETE /axapi/v3/interface/lif/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

lif-list

lif-list is **JSON List** of *lif attributes*

lif-list : [

{ *lif attributes* },

{ *lif attributes* },

...

]

lif attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/bfd*

encapsulation

Description: encapsulation is a **JSON Block**. Please see below for *encapsulation*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/encapsulation*

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/isis*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

bfd

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

ip

Specification	Value
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/router/isis*

ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': some help string; 'num_total_bytes': some help string; 'num_unicast_pkts': some help string; 'num_broadcast_pkts': some help string; 'num_multicast_pkts': some help string; 'num_tx_pkts': some help string; 'num_total_tx_bytes': some help string; 'num_unicast_tx_pkts': some help string; 'num_broadcast_tx_pkts': some help string; 'num_multicast_tx_pkts': some help string; 'dropped_dis_rx_pkts': some help string; 'dropped_rx_pkts': some help string; 'dropped_dis_tx_pkts': some help string; 'dropped_tx_pkts': some help string; 'dropped_rx_pkts_gre_key': some help string;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, dropped_dis_rx_pkts, dropped_rx_pkts, dropped_dis_tx_pkts, dropped_tx_pkts, dropped_rx_pkts_gre_key

ipv6

Specification	Value
Type	*object*

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ripng*

ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

encapsulation

Specification	Value
Type	*object*

dot1q

Description: dot1q is a **JSON Block**. Please see below for *encapsulation_dot1q*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/encapsulation/dot1q*

encapsulation_dot1q

Specification	Value
Type	*object*

ethernet

Description Ethernet Interface (Ethernet port number)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

tag

Description Tag ID

Type: number

Range: 2-4094

trunk

Description Trunk Interface (Trunk number)

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.39 interface lif bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/interface/lif/{ifname}/bfd
Element Attributes	bfd_attributes
Partition Visibility	shared
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

```
POST /axapi/v3/interface/lif/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "md5",
            "key-id": 0,
            "password": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

```
GET /axapi/v3/interface/lif/1/bfd
Reponse:
{
    "bfd": {
        "authentication": {
            "key-id": 0,
            "method": "md5",
            "encrypted": "fsK+NupqdFRcyhg0vY3OnyfcOtVgP5XAuvNQ4P+PNnuko7D64/
↪4GyrEekPer8eHd"
        },
        "echo": 0,
        "uuid": "4d31b2a2-b5a3-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

```
PUT /axapi/v3/interface/lif/1/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "meticulous-md5",
            "key-id": 1,
            "password": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/bfd

bfd attributes

```
DELETE /axapi/v3/interface/lif/1/bfd
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bfd attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

2.63.40 interface lif encapsulation

Encapsulation type

encapsulation Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	encapsulation
Element URI	/axapi/v3/interface/lif/{ifname}/encapsulation
Element Attributes	encapsulation_attributes
Partition Visibility	shared
Schema	`encapsulation schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/lif/{ifname}/encapsulation

encapsulation_attributes

encapsulation attributes

dot1q

Description: dot1q is a **JSON Block**. Please see below for *dot1q*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/encapsulation/dot1q*

dot1q

Specification	Value
Type	*object*

ethernet

Description Ethernet Interface (Ethernet port number)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

tag

Description Tag ID

Type: number

Range: 2-4094

trunk

Description Trunk Interface (Trunk number)

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.41 interface lif encapsulation dot1q

dot1q encapsulation type

dot1q Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dot1q
Element URI	/axapi/v3/interface/lif/{ifname}/encapsulation/dot1q
Element Attributes	dot1q_attributes
Partition Visibility	shared
Schema	`dot1q schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/encapsulation/dot1q

dot1q attributes

```
POST /axapi/v3/interface/lif/1/encapsulation/dot1q
Payload:
{
    "dot1q": {
        "tag": 2,
        "ethernet": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/encapsulation/dot1q

dot1q attributes

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/encapsulation/dot1q

dot1q attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/encapsulation/dot1q

dot1q attributes

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/encapsulation/dot1q

dot1q attributes

dot1q attributes

ethernet

Description Ethernet Interface (Ethernet port number)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

tag

Description Tag ID

Type: number

Range: 2-4094

trunk

Description Trunk Interface (Trunk number)

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.42 interface lif ip

Global IP configuration subcommands

ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/lif/{ifname}/ip
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

```
POST /axapi/v3/interface/lif/1/ip
Payload:
{
    "ip": {
        "router": {
            "isis": {
                "tag": "a"
            }
        },
        "address-list": [
            {
                "ipv4-address": "3.3.3.3",
                "ipv4-netmask": "255.255.0.0"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

```
GET /axapi/v3/interface/lif/1/ip
Reponse:
{
    "ip": {
        "dhcp": 0,
        "address-list": [
            {
                "ipv4-address": "3.3.3.3",
                "ipv4-netmask": "255.255.0.0"
            }
        ],
        "allow-promiscuous-vip": 0,
        "cache-spoofing-port": 0,
        "client": 0,
        "server": 0,
        "dmz": 0,
        "inside": 0,
        "outside": 0,
        "generate-membership-query": 0,
        "unnumbered": 0,
        "uuid": "b78f3cf0-b5a3-11ef-bcb4-ae71681635d0",
```

(continues on next page)

(continued from previous page)

```
        "router": {
            "isis": {
                "tag": "a",
                "uuid": "b78f62e8-b5a3-11ef-bcb4-ae71681635d0",
                "a10-url": "/axapi/v3/interface/lif/1/ip/router/isis"
            },
            "a10-url": "/axapi/v3/interface/lif/1/ip/router"
        },
        "a10-url": "/axapi/v3/interface/lif/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

```
PUT /axapi/v3/interface/lif/1/ip
Payload:
{
    "ip": {
        "router": {
            "isis": {
                "tag": "abcdef"
            }
        },
        "address-list": [
            {
                "ipv4-address": "3.3.3.4",
                "ipv4-netmask": "255.255.255.0"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip

ip attributes

```
DELETE /axapi/v3/interface/lif/1/ip
```

(continues on next page)

(continued from previous page)

```
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip attributes

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/router/isis*

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.43 interface lif ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/lif/{ifname}/ip/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/lif/1/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "network": {
                "broadcast": 0
            },
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "a8c8e7ec-b5a4-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/lif/1/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/lif/1/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.44 interface lif ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Partition Visibility	shared
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/lif/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1,
            "value": "message-digest"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/lif/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1,
            "value": "message-digest"
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "d5fa6f60-b5a4-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/lif/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-global

ospf-global attributes

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.45 interface lif ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Partition Visibility	shared
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.63.46 interface lif ip rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/lif/{ifname}/ip/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

```
POST /axapi/v3/interface/lif/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

```
GET /axapi/v3/interface/lif/1/ip/rip
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "593665fa-b5a5-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/lif/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/lif/1/ip/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.63.47 interface lif ip router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/lif/{ifname}/ip/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ip/router/isis*

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.48 interface lif ip router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/lif/{ifname}/ip/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/lif/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/lif/1/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "c1a41b14-b5a5-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/lif/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/lif/1/ip/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.49 interface lif ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/lif/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ripng": {
                "rip": 1
            }
        },
        "address-list": [
            {
                "ipv6-addr": "2003::1/64",
                "anycast": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/lif/1/ipv6
Reponse:
{
    "ipv6": {
        "address-list": [
            {
                "ipv6-addr": "2003::1/64",
                "anycast": 1,
                "link-local": 0
            }
        ],
        "ipv6-enable": 0,
        "inside": 0,
        "outside": 0,
        "uuid": "e0c8fb0e-b5a5-11ef-bcb4-ae71681635d0",
        "router": {
            "ripng": {
                "rip": 1,
                "uuid": "e0c94cda-b5a5-11ef-bcb4-ae71681635d0",
                "a10-url": "/axapi/v3/interface/lif/1/ipv6/router/ripng"
            },
            "a10-url": "/axapi/v3/interface/lif/1/ipv6/router"
        },
        "a10-url": "/axapi/v3/interface/lif/1/ipv6"
    }
```

(continues on next page)

(continued from previous page)

```
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/lif/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ospf": {
                "area-list": [
                    {
                        "area-id-num": 1,
                        "instance-id": 1
                    }
                ]
            }
        },
        "address-list": [
            {
                "ipv6-addr": "2003::2/64",
                "anycast": 0
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/lif/1/ipv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

ipv6 attributes

address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	Value
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ripng*

router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.50 interface lif ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/lif/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/lif/1/ipv6/ospf
Reponse:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint",
                "p2mp-nbma": 0,
                "network-instance-id": 0
            }
        ],
        "bfd": 0,
        "uuid": "18484d64-b5a6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/lif/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/lif/1/ipv6/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.51 interface lif ipv6 router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/router

router_attributes

```
GET /axapi/v3/interface/lif/1/ipv6/router
Reponse:
{
    "router": {
        "ripng": {
            "rip": 1,
            "uuid": "35f9d198-b5a6-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/lif/1/ipv6/router/ripng"
        },
        "a10-url": "/axapi/v3/interface/lif/1/ipv6/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Reference Object: */axapi/v3/interface/lif/{ifname}/ipv6/router/ripng*

ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.52 interface lif ipv6 router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/lif/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/lif/1/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "52cf70f2-b5a6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/lif/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/lif/1/ipv6/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.53 interface lif ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/lif/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/lif/1/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
        "uuid": "70bfbee6-b5a6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/lif/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/lif/1/ipv6/router/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.63.54 interface lif ipv6 router ripng

ripng

ripng Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng
Element Attributes	ripng_attributes
Partition Visibility	shared
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/lif/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/lif/1/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "8e6ec324-b5a6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/lif/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/lif/1/ipv6/router/ripng
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.55 interface lif isis

ISIS

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/lif/{ifname}/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

```
POST /axapi/v3/interface/lif/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
```

(continues on next page)

(continued from previous page)

```
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

```
GET /axapi/v3/interface/lif/1/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "ace43488-b5a6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/lif/1/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

```
PUT /axapi/v3/interface/lif/1/isis
```

(continues on next page)

(continued from previous page)

```
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/isis

isis attributes

```
DELETE /axapi/v3/interface/lif/1/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.63.56 interface lif oper

Operational Status for the object lif

lif Specification

Parameter	Value
Type	*Collection*
Collection Name	*lif-list*
Collection URI	/axapi/v3/interface/lif/{ifname}
Element Name	lif
Element URI	/axapi/v3/interface/lif/{ifname}/oper
Element Attributes	lif_attributes
Partition Visibility	None
Schema	`lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}

lif attributes

Create List

POST

/axapi/v3/interface/lif/{ifname}

lif attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/oper

lif attributes

Get List

GET

/axapi/v3/interface/lif/{ifname}

lif-list

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/oper

lif attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/oper

lif attributes

Replace List

PUT

/axapi/v3/interface/lif/{ifname}

lif-list

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/oper

lif attributes

lif-list

lif-list is **JSON List** of *lif attributes*

lif-list : [

{ *lif attributes* },

{ *lif attributes* },

...

]

lif attributes

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

encapsulation_type

Description

Type: string

Supported Values: DOT1Q, GRE, NO-ENCAP

icmp-rate-limit-current

Description

Type: number

icmp-rate-over-limit-drop

Description

Type: number

icmp6-rate-limit-current

Description

Type: number

icmp6-rate-over-limit-drop

Description

Type: number

igmp-query-sent

Description

Type: number

ip_unnumbered_enabled

Description

Type: number

ipv4_addr_count

Description

Type: number

ipv4_list

Type: List

ipv6-link-local

Description

Type: string

Format: ipv6-address

ipv6-link-local-prefix

Description

Type: string

ipv6-link-local-scope

Description

Type: string

ipv6-link-local-type

Description

Type: string

ipv6_addr_count

Description

Type: number

ipv6_list

Type: List

keep_alive

Description

Type: string

line_protocol

Description

Type: string

Supported Values: UP, DOWN

link_type

Description

Type: string

mac

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

member_id

Description

Type: string

mtu

Description

Type: string

state

Description

Type: string

Supported Values: up, disabled, down

oper_ipv4_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv4-address

mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

oper_ipv6_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv6-address

is_anycast

Description

Type: number

prefix

Description IP subnet mask

Type: string

2.63.57 interface lif stats

Statistics for the object lif

lif Specification

Parameter	Value
Type	*Collection*
Collection Name	*lif-list*
Collection URI	/axapi/v3/interface/lif/{ifname}
Element Name	lif
Element URI	/axapi/v3/interface/lif/{ifname}/stats
Element Attributes	lif_attributes
Partition Visibility	None
Schema	`lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/lif/{ifname}

lif attributes

Create List

POST

/axapi/v3/interface/lif/{ifname}

lif attributes

Get Object

GET

/axapi/v3/interface/lif/{ifname}/stats

lif attributes

Get List

GET

/axapi/v3/interface/lif/{ifname}

lif-list

Modify Object

POST

/axapi/v3/interface/lif/{ifname}/stats

lif attributes

Replace Object

PUT

/axapi/v3/interface/lif/{ifname}/stats

lif attributes

Replace List

PUT

/axapi/v3/interface/lif/{ifname}

lif-list

Delete Object

DELETE

/axapi/v3/interface/lif/{ifname}/stats

lif attributes

lif-list

lif-list is **JSON List** of *lif attributes*

lif-list : [

{ *lif attributes* },

{ *lif attributes* },

...

]

lif attributes

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

dropped_dis_rx_pkts

Description some help string

Type: number

Format: counter

dropped_dis_tx_pkts

Description some help string

Type: number

Format: counter

dropped_rx_pkts

Description some help string

Type: number

Format: counter

dropped_rx_pkts_gre_key

Description some help string

Type: number

Format: counter

dropped_tx_pkts

Description some help string

Type: number

Format: counter

num_broadcast_pkts

Description some help string

Type: number

Format: counter

num_broadcast_tx_pkts

Description some help string

Type: number

Format: counter

num_multicast_pkts

Description some help string

Type: number

Format: counter

num_multicast_tx_pkts

Description some help string

Type: number

Format: counter

num_pkts

Description some help string

Type: number

Format: counter

num_total_bytes

Description some help string

Type: number

Format: counter

num_total_tx_bytes

Description some help string

Type: number

Format: counter

num_tx_pkts

Description some help string

Type: number

Format: counter

num_unicast_pkts

Description some help string

Type: number

Format: counter

num_unicast_tx_pkts

Description some help string

Type: number

Format: counter

2.63.58 interface loopback

Loopback interface

loopback Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*loopback-list*
Collection URI	/axapi/v3/interface/loopback
Element Name	loopback
Element URI	/axapi/v3/interface/loopback/{ifnum}
Element Attributes	loopback_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/interface/loopback/{ifnum}/oper
Schema	`loopback schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback

loopback attributes

```
POST /axapi/v3/interface/loopback/
Payload:
{
    "loopback": {
        "ifnum": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/loopback

loopback attributes

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

```
GET /axapi/v3/interface/loopback/1
Reponse:
{
    "loopback": {
        "ifnum": 1,
        "snmp-server": {
            "trap-source": 0
        },
        "uuid": "cac19630-b5a6-11ef-bcb4-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/loopback/1"
    }
}
```

Get List

GET

/axapi/v3/interface/loopback

loopback-list

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

```
PUT /axapi/v3/interface/loopback/1
Payload:
{
    "loopback": {
        "ifnum": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/loopback

loopback-list

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

```
DELETE /axapi/v3/interface/loopback/1/ip/ospf/ospf-ip/3.3.3.3
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

loopback-list

loopback-list is **JSON List** of *loopback attributes*

loopback-list : [

{ *loopback attributes* },

{ *loopback attributes* },

...

]

loopback attributes

ifnum

Description Loopback interface number

Type: number

Format: interface

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/isis*

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

snmp-server

Description: snmp-server is a **JSON Block**. Please see below for *snmp-server*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

snmp-server

Specification	Value
Type	*object*

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Specification	Value
Type	*object*

address-list

Type: List

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/router/isis*

ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6

Specification	Value
Type	*object*

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.59 interface loopback ip

Global IP configuration subcommands

ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/loopback/1/ip
Payload:
{
    "ip": {
        "address-list": [
```

(continues on next page)

(continued from previous page)

```
            {
                "ipv4-address": "3.3.3.3",
                "ipv4-netmask": "255.255.0.0"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/loopback/1/ip
Reponse:
{
    "ip": {
        "address-list": [
            {
                "ipv4-address": "3.3.3.3",
                "ipv4-netmask": "255.255.0.0"
            }
        ],
        "uuid": "080938e0-b5a7-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/loopback/1/ip
Payload:
{
    "ip": {
        "address-list": [
            {
                "ipv4-address": "3.3.3.4",
                "ipv4-netmask": "255.255.255.0"
```

(continues on next page)

(continued from previous page)

```
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/loopback/1/ip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip attributes

address-list

Type: List

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/router/isis*

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.60 interface loopback ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/loopback/1/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "2769b336-b5a7-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/loopback/1/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/loopback/1/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.61 interface loopback ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Partition Visibility	shared
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/loopback/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/loopback/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "4734ccaa-b5a7-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/loopback/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.62 interface loopback ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Partition Visibility	shared
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.63.63 interface loopback ip rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/loopback/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/loopback/1/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "c70cee80-b5a7-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/loopback/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/loopback/1/ip/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.63.64 interface loopback ip router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/router

router_attributes

```
GET /axapi/v3/interface/loopback/1/ip/router
Reponse:
{
    "router": {
        "isis": {
            "tag": "a",
            "uuid": "10c17d3e-b5a8-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/loopback/1/ip/router/isis"
        },
        "a10-url": "/axapi/v3/interface/loopback/1/ip/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ip/router/isis*

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.65 interface loopback ip router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/loopback/{ifnum}/ip/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/loopback/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/loopback/1/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "2f5e2c2e-b5a8-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/loopback/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/loopback/1/ip/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.66 interface loopback ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/loopback/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ripng": {
                "rip": 1
            }
        },
        "address-list": [
            {
                "ipv6-addr": "2003::1/64",
                "anycast": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/loopback/1/ipv6
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "ipv6": {
        "address-list": [
            {
                "ipv6-addr": "2003::1/64",
                "anycast": 1,
                "link-local": 0
            }
        ],
        "ipv6-enable": 0,
        "uuid": "4eebffda-b5a8-11ef-bcb4-ae71681635d0",
        "router": {
            "ripng": {
                "rip": 1,
                "uuid": "4eecb77c-b5a8-11ef-bcb4-ae71681635d0",
                "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/ripng"
            },
            "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router"
        },
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ospf": {
                "area-list": [
                    {
                        "area-id-num": 1,
                        "instance-id": 1
                    }
                ]
            }
        },
        "address-list": [
            {
                "ipv6-addr": "2003::2/64",
```

(continues on next page)

(continued from previous page)

```
                "anycast": 0
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6 attributes

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	Value
Type	*list*
Block object keys	

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.67 interface loopback ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/ospf
Payload:
{
    "ospf": {
        "bfd": 1,
```

(continues on next page)

(continued from previous page)

```
        "disable": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/ospf
Reponse:
{
    "ospf": {
        "bfd": 1,
        "disable": 1,
        "uuid": "b6c24b32-b5a8-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/ospf
Payload:
{
    "ospf": {
        "bfd": 1,
        "disable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.68 interface loopback ipv6 rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
```

(continues on next page)

(continued from previous page)

```
            "state": "poisoned"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/rip
Reponse:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "dcd9b3be-b5a8-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "disable"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/rip

rip attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

2.63.69 interface loopback ipv6 router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/router

router_attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/router
Reponse:
{
    "router": {
        "ripng": {
            "rip": 1,
            "uuid": "0a399bf8-b5a9-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/ripng"
        },
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Reference Object: */axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng*

ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.70 interface loopback ipv6 router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "33466c7e-b5a9-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.71 interface loopback ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
```

(continues on next page)

(continued from previous page)

```
                "instance-id": 0
            }
        ],
        "uuid": "50ee5e4e-b5a9-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/router/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.63.72 interface loopback ipv6 router ripng

ripng

ripng Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Partition Visibility	shared
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/loopback/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/loopback/1/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "6f21ebb0-b5a9-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/loopback/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/loopback/1/ipv6/router/ripng
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.73 interface loopback isis

ISIS

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/loopback/{ifnum}/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

```
POST /axapi/v3/interface/loopback/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

```
GET /axapi/v3/interface/loopback/1/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
```

(continues on next page)

(continued from previous page)

```
                    "send-only": 1
                }
            ]
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "8d9f2774-b5a9-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/loopback/1/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

```
PUT /axapi/v3/interface/loopback/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/isis

isis attributes

```
DELETE /axapi/v3/interface/loopback/1/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.63.74 interface loopback oper

Operational Status for the object loopback

loopback Specification

Parameter	Value
Type	*Collection*
Collection Name	*loopback-list*
Collection URI	/axapi/v3/interface/loopback/{ifnum}
Element Name	loopback
Element URI	/axapi/v3/interface/loopback/{ifnum}/oper
Element Attributes	loopback_attributes
Partition Visibility	None
Schema	`loopback schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

Create List

POST

/axapi/v3/interface/loopback/{ifnum}

loopback attributes

Get Object

GET

/axapi/v3/interface/loopback/{ifnum}/oper

loopback attributes

Get List

GET

/axapi/v3/interface/loopback/{ifnum}

loopback-list

Modify Object

POST

/axapi/v3/interface/loopback/{ifnum}/oper

loopback attributes

Replace Object

PUT

/axapi/v3/interface/loopback/{ifnum}/oper

loopback attributes

Replace List

PUT

/axapi/v3/interface/loopback/{ifnum}

loopback-list

Delete Object

DELETE

/axapi/v3/interface/loopback/{ifnum}/oper

loopback attributes

loopback-list

loopback-list is **JSON List** of *loopback attributes*

loopback-list : [

{ *loopback attributes* },

{ *loopback attributes* },

...

]

loopback attributes

ifnum

Description Loopback interface number

Type: number

Format: interface

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv4_addr_count

Description

Type: number

ipv4_list

Type: List

ipv6-link-local

Description

Type: string

Format: ipv6-address

ipv6-link-local-prefix

Description

Type: string

ipv6-link-local-scope

Description

Type: string

ipv6-link-local-type

Description

Type: string

ipv6_addr_count

Description

Type: number

ipv6_list

Type: List

line_protocol

Description

Type: string

state

Description

Type: string

oper_ipv6_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv6-address

is_anycast

Description

Type: number

prefix

Description IP subnet mask

Type: string

oper_ipv4_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv4-address

mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

2.63.75 interface management

Management interface

management Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	management
Element URI	/axapi/v3/interface/management
Element Attributes	management_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/interface/management/stats
Operational Data URI	/axapi/v3/interface/management/oper
Schema	`management schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management

management attributes

Get Object

GET

/axapi/v3/interface/management

management attributes

Modify Object

POST

/axapi/v3/interface/management

management attributes

Replace Object

PUT

/axapi/v3/interface/management

management attributes

management attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable Management Port; 'disable': Disable Management Port;

Type: string

Supported Values: enable, disable

Default: enable

broadcast-rate-limit

Description: broadcast-rate-limit is a **JSON Block**. Please see below for *broadcast-rate-limit*

Type: Object

duplexity

Description 'Full': Full; 'Half': Half; 'auto': Auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

ipv6

Type: List

lldp

Description: lldp is a **JSON Block**. Please see below for *lldp*

Type: Object

Reference Object: */axapi/v3/interface/management/lldp*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

sampling-enable

Type: List

secondary-ip

Description: secondary-ip is a **JSON Block**. Please see below for *secondary-ip*

Type: Object

speed

Description '10': 10 Mbs/sec; '100': 100 Mbs/sec; '1000': 1 Gb/sec; 'auto': Auto Negotiate Speed; (Interface Speed)

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp

Specification	Value
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *lldp_enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *lldp_notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *lldp_tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *lldp_tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_tx-dot1-cfg

Specification	Value
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_notification-cfg

Specification	Value
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_tx-tlvs-cfg

Specification	Value
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_enable-cfg

Specification	Value
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

broadcast-rate-limit

Specification	Value
Type	*object*

bcast-rate-limit-enable

Description Rate limit the l2 broadcast packet on mgmt port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate

Description packets per second. Default is 500. (packets per second. Please specify an even number. Default is 500)

Type: number

Range: 50-5000

Default: 500

ipv6

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: link-local

default-ipv6-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv6-address

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

secondary-ip

Specification	Value
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dhcp and ipv4-address are mutually exclusive

ipv4-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address and dhcp are mutually exclusive

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

secondary-ip

Description Global IP configuration subcommands

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'input_err_short': Runts; 'input_err_long': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted broadcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, input_err_short, input_err_long, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions

ip

Specification	Value
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dhcp and ipv4-address are mutually exclusive

ipv4-address

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ipv4-address and dhcp are mutually exclusive

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

2.63.76 interface management2

Management 2 interface

management2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	management2
Element URI	/axapi/v3/interface/management2
Element Attributes	management2_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/interface/management2/stats
Operational Data URI	/axapi/v3/interface/management2/oper
Schema	`management2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management2

management2 attributes

```
POST /axapi/v3/interface/management2
Payload:
{
    "management2": {
        "access-list": {
            "acl-id": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/management2

management2 attributes

Modify Object

POST

/axapi/v3/interface/management2

management2 attributes

Replace Object

PUT

/axapi/v3/interface/management2

management2 attributes

management2 attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable Management Port; 'disable': Disable Management Port;

Type: string

Supported Values: enable, disable

Default: enable

broadcast-rate-limit

Description: broadcast-rate-limit is a **JSON Block**. Please see below for *broadcast-rate-limit*

Type: Object

duplexity

Description 'Full': Full; 'Half': Half; 'auto': Auto;

Type: string

Supported Values: Full, Half, auto

Default: auto

flow-control

Description Enable 802.3x flow control on full duplex port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

ipv6

Type: List

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

sampling-enable

Type: List

speed

Description '10': 10 Mbs/sec; '100': 100 Mbs/sec; '1000': 1 Gb/sec; 'auto': Auto Negotiate Speed; (Interface Speed)

Type: string

Supported Values: 10, 100, 1000, auto

Default: auto

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

broadcast-rate-limit

Specification	Value
Type	*object*

bcast-rate-limit-enable

Description Rate limit the l2 broadcast packet on mgmt port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate

Description packets per second. Default is 500. (packets per second. Please specify an even number. Default is 500)

Type: number

Range: 50-5000

Default: 500

ipv6

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: link-local

default-ipv6-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv6-address

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets_input': Input packets; 'bytes_input': Input bytes; 'received_broadcasts': Received broadcasts; 'received_multicasts': Received multicasts; 'received_unicasts': Received unicasts; 'input_errors': Input errors; 'crc': CRC; 'frame': Frames; 'input_err_short': Runts; 'input_err_long': Giants; 'packets_output': Output packets; 'bytes_output': Output bytes; 'transmitted_broadcasts': Transmitted broadcasts; 'transmitted_multicasts': Transmitted multicasts; 'transmitted_unicasts': Transmitted unicasts; 'output_errors': Output errors; 'collisions': Collisions;

Type: string

Supported Values: all, packets_input, bytes_input, received_broadcasts, received_multicasts, received_unicasts, input_errors, crc, frame, input_err_short, input_err_long, packets_output, bytes_output, transmitted_broadcasts, transmitted_multicasts, transmitted_unicasts, output_errors, collisions

ip

Specification	Value
Type	*object*

control-apps-use-mgmt-port

Description Control applications use management port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-gateway

Description Set default gateway (Default gateway address)

Type: string

Format: ipv4-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

2.63.77 interface management2 oper

Operational Status for the object management2

management2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	management2
Element URI	/axapi/v3/interface/management2/oper
Element Attributes	management2_attributes
Partition Visibility	None
Schema	`management2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management2/oper

management2 attributes

Get Object

GET

/axapi/v3/interface/management2/oper

management2 attributes

Modify Object

POST

/axapi/v3/interface/management2/oper

management2 attributes

Replace Object

PUT

/axapi/v3/interface/management2/oper

management2 attributes

management2 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

dhcp_enabled

Description

Type: number

duplexity

Description

Type: string

flow_control

Description

Type: number

interface

Description

Type: string

ipv4-addr

Description IP address

Type: string

Format: ipv4-address

ipv4-default-gateway

Description IP gateway address

Type: string

ipv4-mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv4_acl

Description

Type: string

ipv6-addr

Description

Type: string

Format: ipv6-address

ipv6-default-gateway

Description

Type: string

ipv6-link-local

Description

Type: string

Format: ipv6-address

ipv6-link-local-prefix

Description

Type: string

ipv6-prefix

Description

Type: string

ipv6_acl

Description

Type: string

line_protocol

Description

Type: string

link_type

Description

Type: string

Supported Values: GigabitEthernet, 10Gig, 40Gig

mac

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

mtu

Description

Type: number

speed

Description

Type: string

state

Description

Type: number

2.63.78 interface management2 stats

Statistics for the object management2

management2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	management2
Element URI	/axapi/v3/interface/management2/stats
Element Attributes	management2_attributes
Partition Visibility	None
Schema	`management2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management2/stats

management2 attributes

Get Object

GET

/axapi/v3/interface/management2/stats

management2 attributes

Modify Object

POST

/axapi/v3/interface/management2/stats

management2 attributes

Replace Object

PUT

/axapi/v3/interface/management2/stats

management2 attributes

management2 attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bytes_input

Description Input bytes

Type: number

Format: counter

bytes_output

Description Output bytes

Type: number

Format: counter

collisions

Description Collisions

Type: number

Format: counter

crc

Description CRC

Type: number

Format: counter

frame

Description Frames

Type: number

Format: counter

input_err_long

Description Giants

Type: number

Format: counter

input_err_short

Description Runts

Type: number

Format: counter

input_errors

Description Input errors

Type: number

Format: counter

output_errors

Description Output errors

Type: number

Format: counter

packets_input

Description Input packets

Type: number

Format: counter

packets_output

Description Output packets

Type: number

Format: counter

received_broadcasts

Description Received broadcasts

Type: number

Format: counter

received_multicasts

Description Received multicasts

Type: number

Format: counter

received_unicasts

Description Received unicasts

Type: number

Format: counter

transmitted_broadcasts

Description Transmitted broadcasts

Type: number

Format: counter

transmitted_multicasts

Description Transmitted multicasts

Type: number

Format: counter

transmitted_unicasts

Description Transmitted unicasts

Type: number

Format: counter

2.63.79 interface management lldp

Interface lldp configuration

lldp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lldp
Element URI	/axapi/v3/interface/management/lldp
Element Attributes	lldp_attributes
Partition Visibility	shared
Schema	`lldp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management/lldp

lldp attributes

```
POST /axapi/v3/interface/management/lldp
Payload:
{
    "lldp": {
        "enable-cfg": {
            "rt-enable": 1,
            "rx": 1,
            "tx": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/management/lldp

lldp attributes

```
GET /axapi/v3/interface/management/lldp
Reponse:
{
    "lldp": {
        "enable-cfg": {
            "rt-enable": 1,
            "rx": 1,
            "tx": 1
        },
        "notification-cfg": {
            "notification": 0
        },
        "tx-dot1-cfg": {
            "tx-dot1-tlvs": 0
        },
        "tx-tlvs-cfg": {
            "tx-tlvs": 0
        },
        "uuid": "11e319d2-b5aa-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/management/lldp"
    }
}
```

Modify Object

POST

/axapi/v3/interface/management/lldp

lldp attributes

Replace Object

PUT

/axapi/v3/interface/management/lldp

lldp attributes

Delete Object

DELETE

/axapi/v3/interface/management/lldp

lldp attributes

```
DELETE /axapi/v3/interface/management/lldp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

lldp attributes

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *enable-cfg*

Type: Object

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *notification-cfg*

Type: Object

tx-dot1-cfg

Description: tx-dot1-cfg is a **JSON Block**. Please see below for *tx-dot1-cfg*

Type: Object

tx-tlvs-cfg

Description: tx-tlvs-cfg is a **JSON Block**. Please see below for *tx-tlvs-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tx-dot1-cfg

Specification	Value
Type	*object*

link-aggregation

Description Interface link aggregation information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-dot1-tlvs

Description Interface lldp tx IEEE 802.1 Organizationally specific TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan

Description Interface vlan information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification-cfg

Specification	Value
Type	*object*

notif-enable

Description Interface lldp notification enable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notification

Description Interface lldp notification configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs-cfg

Specification	Value
Type	*object*

exclude

Description Configure which TLVs excluded. All basic TLVs will be included by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

management-address

Description Interface lldp management address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-description

Description Interface lldp port description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-capabilities

Description Interface lldp system capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-description

Description Interface lldp system description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-name

Description Interface lldp system name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-tlvs

Description Interface lldp tx TLVs configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-cfg

Specification	Value
Type	*object*

rt-enable

Description Interface lldp enable/disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.63.80 interface management oper

Operational Status for the object management

management Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	management
Element URI	/axapi/v3/interface/management/oper
Element Attributes	management_attributes
Partition Visibility	None
Schema	`management schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management/oper

management attributes

Get Object

GET

/axapi/v3/interface/management/oper

management attributes

Modify Object

POST

/axapi/v3/interface/management/oper

management attributes

Replace Object

PUT

/axapi/v3/interface/management/oper

management attributes

management attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

dhcp_enabled

Description

Type: number

duplexity

Description

Type: string

flow_control

Description

Type: number

interface

Description

Type: string

ipv4-addr

Description IP address

Type: string

Format: ipv4-address

ipv4-default-gateway

Description IP gateway address

Type: string

ipv4-mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv4_acl

Description

Type: string

ipv6-addr

Description

Type: string

Format: ipv6-address

ipv6-default-gateway

Description

Type: string

ipv6-link-local

Description

Type: string

Format: ipv6-address

ipv6-link-local-prefix

Description

Type: string

ipv6-prefix

Description

Type: string

ipv6_acl

Description

Type: string

line_protocol

Description

Type: string

link_type

Description

Type: string

Supported Values: GigabitEthernet, 10Gig, 40Gig

mac

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

mtu

Description

Type: number

speed

Description

Type: string

state

Description

Type: number

2.63.81 interface management stats

Statistics for the object management

management Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	management
Element URI	/axapi/v3/interface/management/stats
Element Attributes	management_attributes
Partition Visibility	None
Schema	`management schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/management/stats

management attributes

Get Object

GET

/axapi/v3/interface/management/stats

management attributes

Modify Object

POST

/axapi/v3/interface/management/stats

management attributes

Replace Object

PUT

/axapi/v3/interface/management/stats

management attributes

management attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bytes_input

Description Input bytes

Type: number

Format: counter

bytes_output

Description Output bytes

Type: number

Format: counter

collisions

Description Collisions

Type: number

Format: counter

crc

Description CRC

Type: number

Format: counter

frame

Description Frames

Type: number

Format: counter

input_err_long

Description Giants

Type: number

Format: counter

input_err_short

Description Runts

Type: number

Format: counter

input_errors

Description Input errors

Type: number

Format: counter

output_errors

Description Output errors

Type: number

Format: counter

packets_input

Description Input packets

Type: number

Format: counter

packets_output

Description Output packets

Type: number

Format: counter

received_broadcasts

Description Received broadcasts

Type: number

Format: counter

received_multicasts

Description Received multicasts

Type: number

Format: counter

received_unicasts

Description Received unicasts

Type: number

Format: counter

transmitted_broadcasts

Description Transmitted broadcasts

Type: number

Format: counter

transmitted_multicasts

Description Transmitted multicasts

Type: number

Format: counter

transmitted_unicasts

Description Transmitted unicasts

Type: number

Format: counter

2.63.82 interface packet-size-bucket oper

Operational Status for the object packet-size-bucket

packet-size-bucket Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	packet-size-bucket
Element URI	/axapi/v3/interface/packet-size-bucket/oper
Element Attributes	packet-size-bucket_attributes
Partition Visibility	None
Schema	`packet-size-bucket schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/packet-size-bucket/oper

packet-size-bucket attributes

Get Object

GET

/axapi/v3/interface/packet-size-bucket/oper

packet-size-bucket attributes

Modify Object

POST

/axapi/v3/interface/packet-size-bucket/oper

packet-size-bucket attributes

Replace Object

PUT

/axapi/v3/interface/packet-size-bucket/oper

packet-size-bucket attributes

Delete Object

DELETE

/axapi/v3/interface/packet-size-bucket/oper

packet-size-bucket attributes

packet-size-bucket attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

interfaces

Type: List

oper_interfaces

Specification	Value
Type	*list*
Block object keys	

IF-Type

Description

Type: string

port_num

Description

Type: number

rxpkts1024to1518_counts

Description

Type: number

rxpkts128to255_counts

Description

Type: number

rxpkts1519to2047_counts

Description

Type: number

rxpkts2048to4095_counts

Description

Type: number

rxpkts256to511_counts

Description

Type: number

rxpkts4096to9216_counts

Description

Type: number

rxpkts512to1023_counts

Description

Type: number

rxpkts64_counts

Description

Type: number

rxpkts65to127_counts

Description

Type: number

txpkts1024to1518_counts

Description

Type: number

txpkts128to255_counts

Description

Type: number

txpkts1519to2047_counts

Description

Type: number

txpkts2048to4095_counts

Description

Type: number

txpkts256to511_counts

Description

Type: number

txpkts4096to9216_counts

Description

Type: number

txpkts512to1023_counts

Description

Type: number

txpkts64_counts

Description

Type: number

txpkts65to127_counts

Description

Type: number

2.63.83 interface switch-drop-reason oper

Operational Status for the object switch-drop-reason

switch-drop-reason Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	switch-drop-reason
Element URI	/axapi/v3/interface/switch-drop-reason/oper
Element Attributes	switch-drop-reason_attributes
Partition Visibility	None
Schema	`switch-drop-reason schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/switch-drop-reason/oper

switch-drop-reason attributes

Get Object

GET

/axapi/v3/interface/switch-drop-reason/oper

switch-drop-reason attributes

Modify Object

POST

/axapi/v3/interface/switch-drop-reason/oper

switch-drop-reason attributes

Replace Object

PUT

/axapi/v3/interface/switch-drop-reason/oper

switch-drop-reason attributes

Delete Object

DELETE

/axapi/v3/interface/switch-drop-reason/oper

switch-drop-reason attributes

switch-drop-reason attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

interfaces

Type: List

oper_interfaces

Specification	Value
Type	*list*
Block object keys	

IF-Type

Description

Type: string

IfInBitmapZeroDrop

Description

Type: number

IfInCondDrop

Description

Type: number

IfInErrorDrop

Description

Type: number

IfInEventDrop

Description

Type: number

IfInFCSDrop

Description

Type: number

IfInFilterDrop

Description

Type: number

IfInFragDrop

Description

Type: number

IfInIpv4Drop

Description

Type: number

IfInIpv6Drop

Description

Type: number

IfInJabberDrop

Description

Type: number

IfInMTUExceedDrop

Description

Type: number

IfInMcDrop

Description

Type: number

IfInPortDrop

Description

Type: number

IfInQueueDrop

Description

Type: number

IfInUnderSizeDrop

Description

Type: number

IfInVlanDrop

Description

Type: number

IfOutCondDrop

Description

Type: number

IfOutIpv4Drop

Description

Type: number

IfOutIpv6Drop

Description

Type: number

IfOutMcDrop

Description

Type: number

IfOutParityDrop

Description

Type: number

IfOutStgDrop

Description

Type: number

IfOutTnlDrop

Description

Type: number

IfOutVlanDrop

Description

Type: number

port_num

Description

Type: number

2.63.84 interface trunk

Trunk interface

trunk Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*trunk-list*
Collection URI	/axapi/v3/interface/trunk
Element Name	trunk
Element URI	/axapi/v3/interface/trunk/{ifnum}
Element Attributes	trunk_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/interface/trunk/{ifnum}/stats
Operational Data URI	/axapi/v3/interface/trunk/{ifnum}/oper
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk

trunk attributes

```
POST /axapi/v3/interface/trunk/
Payload:
{
    "trunk": {
        "ifnum": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/trunk

trunk attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

```
GET /axapi/v3/interface/trunk/1
Reponse:
{
    "trunk": {
        "ifnum": 1,
        "l3-vlan-fwd-disable": 0,
        "mtu": 1500,
        "trap-source": 0,
        "action": "enable",
        "virtual-wire": 0,
        "uuid": "72853d60-b5aa-11ef-bcb4-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/trunk/1"
    }
}
```

Get List

GET

/axapi/v3/interface/trunk

trunk-list

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

```
PUT /axapi/v3/interface/trunk/1
Payload:
{
    "trunk": {
        "ifnum": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/trunk

trunk-list

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

```
DELETE /axapi/v3/interface/trunk/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

trunk-list

trunk-list is **JSON List** of *trunk attributes*

trunk-list : [

{ *trunk attributes* },

{ *trunk attributes* },

...

]

trunk attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/bfd*

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ddos*

do-auto-recovery

Description (Only for LACP trunks) Attempt auto-recovery after ports-treshold is triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gaming-protocol-compliance

Description Enable Gaming Protocol Compliance Check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *icmpv6-rate-limit*

Type: Object

ifnum

Description Trunk interface number

Type: number

Range: 1-4096

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/isis*

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *lw-4o6*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/lw-4o6*

mac-learning

Description 'enable': Enable MAC learning; 'disable': Disable MAC learning; 'dmac-only': Enable destination MAC learning only;

Type: string

Supported Values: enable, disable, dmac-only

map

Description: map is a **JSON Block**. Please see below for *map*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *nptv6*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/nptv6*

ports-threshold

Description Threshold for the minimum number of ports that need to be UP for the trunk to remain UP

Type: number

sampling-enable

Type: List

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *spanning-tree*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/spanning-tree*

sync-modify-disable

Description Disable SYNC bit modify for ports-threshold do-auto-recovery

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timer

Description Timer to re-check the threshold under certain conditions (Time in seconds (Default: 10))

Type: number

Range: 1-300

Default: 10

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update-l2-info

Description Update and use received L2 information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-hw-hash

Description Enable HW based load balacing decision rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire

Description Mark trunk as a virtual wire interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vlan-learning

Description 'enable': Enable VLAN learning; 'disable': Disable VLAN learning;

Type: string

Supported Values: enable, disable

map

Specification	Value
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	Value
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

nat

Description: nat is a **JSON Block**. Please see below for *ip_nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf*

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ip_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/router/isis*

ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ip_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_nat

Specification	Value
Type	*object*

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ddos

Specification	Value
Type	*object*

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

bfd

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

per-member-port

Description: per-member-port is a **JSON Block**. Please see below for *bfd_per-member-port*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_per-member-port

Specification	Value
Type	*object*

ipv6-local

Description IPv6 local-address

Type: string

Format: ipv6-address

ipv6-nbr

Description IPv6 neighbor-address

Type: string

Format: ipv6-address

local-address

Description IPv4 local-address

Type: string

Format: ipv4-address

neighbor-address

Description IPv4 neighbor address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

bfd_authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': some help string; 'num_total_bytes': some help string; 'num_unicast_pkts': some help string; 'num_broadcast_pkts': some help string; 'num_multicast_pkts': some help string; 'num_tx_pkts': some help string; 'num_total_tx_bytes': some help string; 'num_unicast_tx_pkts': some help string; 'num_broadcast_tx_pkts': some help string; 'num_multicast_tx_pkts': some help string; 'dropped_dis_rx_pkts': some help string; 'dropped_rx_pkts': some help string; 'dropped_dis_tx_pkts': some help string; 'dropped_tx_pkts': some help string;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, dropped_dis_rx_pkts, dropped_rx_pkts, dropped_dis_tx_pkts, dropped_tx_pkts

ipv6

Specification	Value
Type	*object*

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *ipv6_access-list-cfg*

Type: Object

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat

Description: nat is a **JSON Block**. Please see below for *ipv6_nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ipv6_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ipv6_router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

hop-limit

Description Set Router Advertisement Hop Limit (default: 255) (Max Router Advertisement Interval (seconds))

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Min Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Max Number of Router Solicitations to process per second)

Type: number

Range: 3-1350

Default: 200

mtu

Description: mtu is a **JSON Block**. Please see below for *ipv6_router-adver_mtu*

Type: Object

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

vrid

Description: vrid is a **JSON Block**. Please see below for *ipv6_router-adver_vrid*

Type: Object

ipv6_router-adver_vrid

Specification	Value
Type	*object*

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

ipv6_router-adver_mtu

Specification	Value
Type	*object*

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ipv6_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_nat

Specification	Value
Type	*object*

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_access-list-cfg

Specification	Value
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

spanning-tree

Specification	Value
Type	*object*

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

nptv6

Specification	Value
Type	*object*

domain-list

Type: List

Reference Object: */axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

nptv6_domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

icmpv6-rate-limit

Specification	Value
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

lw-4o6

Specification	Value
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate-limit

Specification	Value
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

2.63.85 interface trunk bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/interface/trunk/{ifnum}/bfd
Element Attributes	bfd_attributes
Partition Visibility	shared
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

```
POST /axapi/v3/interface/trunk/1/bfd
Payload:
{
    "bfd": {
        "per-member-port": {
            "local-address": "3.3.3.3"
        },
        "authentication": {
            "method": "md5",
            "key-id": 0,
            "password": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

```
GET /axapi/v3/interface/trunk/1/bfd
Reponse:
{
    "bfd": {
        "authentication": {
            "key-id": 0,
            "method": "md5",
            "encrypted":
↪"G2khARi9ubBRLYLMW2dcz+8VE7VQE9YjkIbWhG3tca1MTRlGSGUsbKmjxcJSlu68"
        },
        "echo": 0,
        "uuid": "3f533b8a-b5ab-11ef-bcb4-ae71681635d0",
        "per-member-port": {
            "local-address": "3.3.3.3",
            "uuid": "3f535d2c-b5ab-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/trunk/1/bfd/per-member-port"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/bfd

bfd attributes

bfd attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

per-member-port

Description: per-member-port is a **JSON Block**. Please see below for *per-member-port*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

per-member-port

Specification	Value
Type	*object*

ipv6-local

Description IPv6 local-address

Type: string

Format: ipv6-address

ipv6-nbr

Description IPv6 neighbor-address

Type: string

Format: ipv6-address

local-address

Description IPv4 local-address

Type: string

Format: ipv4-address

neighbor-address

Description IPv4 neighbor address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.86 interface trunk bfd per-member-port

Configure a Micro BFD

per-member-port Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	per-member-port
Element URI	/axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port
Element Attributes	per-member-port_attributes
Partition Visibility	shared
Schema	`per-member-port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port

per-member-port attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port

per-member-port attributes

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port

per-member-port attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port

per-member-port attributes

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/bfd/per-member-port

per-member-port attributes

per-member-port attributes

ipv6-local

Description IPv6 local-address

Type: string

Format: ipv6-address

ipv6-nbr

Description IPv6 neighbor-address

Type: string

Format: ipv6-address

local-address

Description IPv4 local-address

Type: string

Format: ipv4-address

neighbor-address

Description IPv4 neighbor address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.87 interface trunk ddos

Configure DDoS interface direction

ddos Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ddos
Element URI	/axapi/v3/interface/trunk/{ifnum}/ddos
Element Attributes	ddos_attributes
Partition Visibility	shared
Schema	`ddos schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ddos

ddos attributes

```
POST /axapi/v3/interface/trunk/1/ddos
Payload:
{
    "ddos": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ddos

ddos attributes

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ddos

ddos attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ddos

ddos attributes

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ddos

ddos attributes

ddos attributes

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.88 interface trunk ip

Global IP configuration subcommands

ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/trunk/1/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1
        },
        "dhcp": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/trunk/1/ip
Reponse:
{
    "ip": {
        "dhcp": 1,
        "allow-promiscuous-vip": 0,
        "client": 0,
        "server": 0,
        "dmz": 0,
        "cache-spoofing-port": 0,
        "nat": {
            "inside": 0,
            "outside": 0
        },
        "ttl-ignore": 0,
        "syn-cookie": 0,
        "slb-partition-redirect": 0,
        "generate-membership-query": 0,
        "unnumbered": 0,
        "uuid": "ca7fdb28-b5ab-11ef-bcb4-ae71681635d0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "ca80092c-b5ab-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/trunk/1/ip/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/trunk/1/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abcd"
        },
        "dhcp": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/trunk/1/ip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip attributes

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-spoofing-port

Description This interface connects to spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf*

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/router/isis*

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

nat

Specification	Value
Type	*object*

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.89 interface trunk ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/trunk/1/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "network": {
                "broadcast": 0
            },
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "f057d256-b5ab-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/trunk/1/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.90 interface trunk ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Partition Visibility	shared
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/trunk/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/trunk/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
```

(continues on next page)

(continued from previous page)

```
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "147dedbe-b5ac-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/trunk/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.91 interface trunk ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Partition Visibility	shared
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

…

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.63.92 interface trunk ip rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/trunk/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/trunk/1/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
```

(continues on next page)

(continued from previous page)

```
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "dafb4036-b5ac-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/trunk/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/trunk/1/ip/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.63.93 interface trunk ip router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ip/router/isis*

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.94 interface trunk ip router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/trunk/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/trunk/1/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "7e816f46-b5ad-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/trunk/1/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/trunk/1/ip/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.95 interface trunk ip stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall
Element Attributes	stateful-firewall_attributes
Partition Visibility	shared
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/trunk/1/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/trunk/1/ip/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "a4035f90-b5ad-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ip/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/trunk/1/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.96 interface trunk ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/trunk/1/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
            "inside": 1
        },
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/trunk/1/ipv6
Reponse:
{
    "ipv6": {
        "address-list": [
```

(continues on next page)

(continued from previous page)


```
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ],
        "ipv6-enable": 0,
        "nat": {
            "inside": 0,
            "outside": 0
        },
        "ttl-ignore": 0,
        "router-adver": {
            "action": "disable",
            "default-lifetime": 1800,
            "hop-limit": 255,
            "max-interval": 600,
            "min-interval": 200,
            "rate-limit": 100000,
            "reachable-time": 0,
            "retransmit-timer": 0,
            "mtu": {
                "adver-mtu-disable": 1
            },
            "managed-config-action": "disable",
            "other-config-action": "disable",
            "vrid": {
                "adver-vrid-default": 0
            }
        },
        "uuid": "dc265710-b5ad-11ef-bcb4-ae71681635d0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "dc267eb6-b5ad-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/trunk/1/ipv6/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6"
    }
}
```


Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abc"
        },
        "address-list": [
            {
                "ipv6-addr": "fe80::2/64",
                "address-type": "link-local"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6 attributes

access-list-cfg

Description: access-list-cfg is a **JSON Block**. Please see below for *access-list-cfg*

Type: Object

address-list

Type: List

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/ospf*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

hop-limit

Description Set Router Advertisement Hop Limit (default: 255) (Max Router Advertisement Interval (seconds))

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Min Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Max Number of Router Solicitations to process per second)

Type: number

Range: 3-1350

Default: 200

mtu

Description: mtu is a **JSON Block**. Please see below for *router-adver_mtu*

Type: Object

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

vrid

Description: vrid is a **JSON Block**. Please see below for *router-adver_vrid*

Type: Object

router-adver_vrid

Specification	Value
Type	*object*

adver-vrid

Description Specify ha VRRP-A vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

router-adver_mtu

Specification	Value
Type	*object*

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat

Specification	Value
Type	*object*

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

access-list-cfg

Specification	Value
Type	*object*

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.97 interface trunk ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/ospf
Reponse:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint",
                "p2mp-nbma": 0,
                "network-instance-id": 0
            }
        ],
        "bfd": 0,
        "uuid": "056eb8ba-b5ae-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.98 interface trunk ipv6 rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/rip
Reponse:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "2f5e839e-b5ae-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "disable"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/rip

rip attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

2.63.99 interface trunk ipv6 router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/router

router_attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/router
Reponse:
{
    "router": {
        "ripng": {
            "rip": 1,
            "uuid": "51c71c98-b5ae-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router/ripng"
        },
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router"
    }
}
```

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Reference Object: */axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng*

ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.100 interface trunk ipv6 router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "76cbcb24-b5ae-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.101 interface trunk ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
        "uuid": "95d6152e-b5ae-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/router/ospf
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/router/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.63.102 interface trunk ipv6 router ripng

ripng

ripng Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Partition Visibility	shared
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "baca6dda-b5ae-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/trunk/1/ipv6/router/ripng
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.103 interface trunk ipv6 stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall
Element Attributes	stateful-firewall_attributes
Partition Visibility	shared
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/trunk/1/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/trunk/1/ipv6/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "e3eb3ca8-b5ae-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/ipv6/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/trunk/1/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.104 interface trunk isis

ISIS

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/trunk/{ifnum}/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

```
POST /axapi/v3/interface/trunk/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

```
GET /axapi/v3/interface/trunk/1/isis
Reponse:
{
    "isis": {
```

(continues on next page)

(continued from previous page)

```
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "07c17390-b5af-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

```
PUT /axapi/v3/interface/trunk/1/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/isis

isis attributes

```
DELETE /axapi/v3/interface/trunk/1/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.63.105 interface trunk lw-4o6

Configure LW-4over6 interface

lw-4o6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lw-4o6
Element URI	/axapi/v3/interface/trunk/{ifnum}/lw-4o6
Element Attributes	lw-4o6_attributes
Partition Visibility	shared
Schema	`lw-4o6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

```
POST /axapi/v3/interface/trunk/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 1
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

```
GET /axapi/v3/interface/trunk/1/lw-4o6
Reponse:
{
    "lw-4o6": {
        "outside": 1,
        "inside": 0,
        "uuid": "26b116e8-b5af-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/lw-4o6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

```
PUT /axapi/v3/interface/trunk/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/lw-4o6

lw-4o6 attributes

lw-4o6 attributes

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.106 interface trunk map

Configure MAP on this interface

map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	map
Element URI	/axapi/v3/interface/trunk/{ifnum}/map
Element Attributes	map_attributes
Partition Visibility	shared
Schema	`map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

```
POST /axapi/v3/interface/trunk/1/map
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "map": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

```
GET /axapi/v3/interface/trunk/1/map
Reponse:
{
    "map": {
        "inside": 1,
        "outside": 0,
        "map-t-inside": 0,
        "map-t-outside": 0,
        "uuid": "45401514-b5af-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/map"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

```
PUT /axapi/v3/interface/trunk/1/map
Payload:
{
    "map": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/map

map attributes

map attributes

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.107 interface trunk nptv6

Configure NPTv6 on this interface

nptv6 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	nptv6
Element URI	/axapi/v3/interface/trunk/{ifnum}/nptv6
Element Attributes	nptv6_attributes
Partition Visibility	shared
Schema	`nptv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/nptv6

nptv6_attributes

nptv6 attributes

domain-list

Type: List

Reference Object: */axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.108 interface trunk nptv6 domain

Apply NPTv6 translation domain on interface

domain Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*domain-name, bind-type*
Collection Name	*domain-list*
Collection URI	/axapi/v3/interface/trunk/{ifnum}/nptv6/domain
Element Name	domain
Element URI	/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}
Element Attributes	domain_attributes
Partition Visibility	shared
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain

domain attributes

Create List

POST

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain

domain attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Get List

GET

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain

domain-list

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace List

PUT

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain

domain-list

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

```
domain-list : [
        { domain attributes },
        { domain attributes },
        ...
    ]
```

domain attributes

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.109 interface trunk oper

Operational Status for the object trunk

trunk Specification

Parameter	Value
Type	*Collection*
Collection Name	*trunk-list*
Collection URI	/axapi/v3/interface/trunk/{ifnum}
Element Name	trunk
Element URI	/axapi/v3/interface/trunk/{ifnum}/oper
Element Attributes	trunk_attributes
Partition Visibility	None
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

Create List

POST

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/oper

trunk attributes

Get List

GET

/axapi/v3/interface/trunk/{ifnum}

trunk-list

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/oper

trunk attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/oper

trunk attributes

Replace List

PUT

/axapi/v3/interface/trunk/{ifnum}

trunk-list

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/oper

trunk attributes

trunk-list

trunk-list is **JSON List** of *trunk attributes*

trunk-list : [

{ *trunk attributes* },

{ *trunk attributes* },

...

]

trunk attributes

ifnum

Description Trunk interface number

Type: number

Range: 1-4096

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Address

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

Hardware

Description

Type: string

Supported Values: TrunkGroup

icmp-rate-limit-current

Description

Type: number

icmp-rate-over-limit-drop

Description

Type: number

icmp6-rate-limit-current

Description

Type: number

icmp6-rate-over-limit-drop

Description

Type: number

igmp-query-sent

Description

Type: number

ip_unnumbered_enabled

Description

Type: number

ip_unnumbered_mac_learned

Description

Type: number

ip_unnumbered_oper

Description

Type: number

ip_unnumbered_peer_lla

Description

Type: string

Format: ipv6-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv4_addr_count

Description

Type: number

ipv4_list

Type: List

ipv6-link-local

Description

Type: string

Format: ipv6-address

ipv6-link-local-prefix

Description

Type: string

ipv6-link-local-scope

Description

Type: string

ipv6-link-local-type

Description

Type: string

ipv6_addr_count

Description

Type: number

ipv6_list

Type: List

line-protocol

Description

Type: string

Supported Values: up, down

mtu

Description

Type: number

state

Description

Type: string

Supported Values: up, disabled, down

trunk-member

Type: List

vlan-id

Description

Type: number

oper_trunk-member

Specification	Value
Type	*list*
Block object keys	

members

Description

Type: number

Range: 1-12

oper_ipv4_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv4-address

mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

oper_ipv6_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv6-address

is_anycast

Description

Type: number

prefix

Description IP subnet mask

Type: string

2.63.110 interface trunk spanning-tree

help Spanning tree port configuration

spanning-tree Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	spanning-tree
Element URI	/axapi/v3/interface/trunk/{ifnum}/spanning-tree
Element Attributes	spanning-tree_attributes
Partition Visibility	shared
Schema	`spanning-tree schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

```
POST /axapi/v3/interface/trunk/1/spanning-tree
Payload:
{
    "spanning-tree": {
        "auto-edge": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

```
GET /axapi/v3/interface/trunk/1/spanning-tree
Reponse:
{
    "spanning-tree": {
        "auto-edge": 1,
        "admin-edge": 1,
        "uuid": "b799290c-b5af-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/trunk/1/spanning-tree"
    }
}
```

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

```
PUT /axapi/v3/interface/trunk/1/spanning-tree
Payload:
{
    "spanning-tree": {
        "admin-edge": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/spanning-tree

spanning-tree attributes

```
DELETE /axapi/v3/interface/trunk/1/spanning-tree
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

spanning-tree attributes

admin-edge

Description Enable admin-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auto-edge

Description Enable auto-edge

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

instance-list

Type: List

path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 0-4094

mstp-path-cost

Description Path cost (Limit)

Type: number

Range: 1-200000

2.63.111 interface trunk stats

Statistics for the object trunk

trunk Specification

Parameter	Value
Type	*Collection*
Collection Name	*trunk-list*
Collection URI	/axapi/v3/interface/trunk/{ifnum}
Element Name	trunk
Element URI	/axapi/v3/interface/trunk/{ifnum}/stats
Element Attributes	trunk_attributes
Partition Visibility	None
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

Create List

POST

/axapi/v3/interface/trunk/{ifnum}

trunk attributes

Get Object

GET

/axapi/v3/interface/trunk/{ifnum}/stats

trunk attributes

Get List

GET

/axapi/v3/interface/trunk/{ifnum}

trunk-list

Modify Object

POST

/axapi/v3/interface/trunk/{ifnum}/stats

trunk attributes

Replace Object

PUT

/axapi/v3/interface/trunk/{ifnum}/stats

trunk attributes

Replace List

PUT

/axapi/v3/interface/trunk/{ifnum}

trunk-list

Delete Object

DELETE

/axapi/v3/interface/trunk/{ifnum}/stats

trunk attributes

trunk-list

trunk-list is **JSON List** of *trunk attributes*

trunk-list : [

{ *trunk attributes* },

{ *trunk attributes* },

...

]

trunk attributes

ifnum

Description Trunk interface number

Type: number

Range: 1-4096

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

dropped_dis_rx_pkts

Description some help string

Type: number

Format: counter

dropped_dis_tx_pkts

Description some help string

Type: number

Format: counter

dropped_rx_pkts

Description some help string

Type: number

Format: counter

dropped_tx_pkts

Description some help string

Type: number

Format: counter

num_broadcast_pkts

Description some help string

Type: number

Format: counter

num_broadcast_tx_pkts

Description some help string

Type: number

Format: counter

num_multicast_pkts

Description some help string

Type: number

Format: counter

num_multicast_tx_pkts

Description some help string

Type: number

Format: counter

num_pkts

Description some help string

Type: number

Format: counter

num_total_bytes

Description some help string

Type: number

Format: counter

num_total_tx_bytes

Description some help string

Type: number

Format: counter

num_tx_pkts

Description some help string

Type: number

Format: counter

num_unicast_pkts

Description some help string

Type: number

Format: counter

num_unicast_tx_pkts

Description some help string

Type: number

Format: counter

2.63.112 interface tunnel

Tunnel interface

tunnel Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*tunnel-list*
Collection URI	/axapi/v3/interface/tunnel
Element Name	tunnel
Element URI	/axapi/v3/interface/tunnel/{ifnum}
Element Attributes	tunnel_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/interface/tunnel/{ifnum}/stats
Operational Data URI	/axapi/v3/interface/tunnel/{ifnum}/oper
Schema	`tunnel schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel

tunnel attributes

```
POST /axapi/v3/interface/tunnel/
Payload:
{
    "tunnel": {
        "ifnum": 1,
        "user-tag": "a",
        "mtu": 1000
    }
}
```

Create List

POST

/axapi/v3/interface/tunnel

tunnel attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

```
GET /axapi/v3/interface/tunnel/1
Reponse:
{
    "tunnel": {
        "ifnum": 1,
        "mtu": 1000,
        "action": "enable",
        "speed": 10,
        "load-interval": 300,
        "uuid": "e1957c06-b5af-11ef-bcb4-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/tunnel/1"
    }
}
```

Get List

GET

/axapi/v3/interface/tunnel

tunnel-list

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

```
PUT /axapi/v3/interface/tunnel/1
Payload:
{
    "tunnel": {
        "ifnum": 1,
        "user-tag": "abcd",
        "mtu": 1000
    }
}
```

Replace List

PUT

/axapi/v3/interface/tunnel

tunnel-list

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

```
DELETE /axapi/v3/interface/tunnel/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tunnel-list

tunnel-list is **JSON List** of *tunnel attributes*

tunnel-list : [

{ *tunnel attributes* },

{ *tunnel attributes* },

...

]

tunnel attributes

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

ifnum

Description Tunnel interface number

Type: number

Range: 1-128

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6*

load-interval

Description Configure Load Interval (Seconds (5-300, Multiple of 5), default 300)

Type: number

Range: 5-300

Default: 300

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *lw-4o6*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/lw-4o6*

map

Description: map is a **JSON Block**. Please see below for *map*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/interface-tunnel-tmpl*

sampling-enable

Type: List

speed

Description Speed in Gbit/Sec (Default 10 Gbps)

Type: number

Range: 1-200

Default: 10

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map

Specification	Value
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	Value
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *ip_address*

Type: Object

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query-val

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Max Response Time (Default is 100)

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/rip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

ip_address

Specification	Value
Type	*object*

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-cfg

Type: List

ip_address_ip-cfg

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num-rx-pkts': received packets; 'num-total-rx-bytes': received bytes; 'num-tx-pkts': sent packets; 'num-total-tx-bytes': sent bytes; 'num-rx-err-pkts': received error packets; 'num-tx-err-pkts': sent error packets; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec;

Type: string

Supported Values: all, num-rx-pkts, num-total-rx-bytes, num-tx-pkts, num-total-tx-bytes, num-rx-err-pkts, num-tx-err-pkts, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd

lw-4o6

Specification	Value
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6

Specification	Value
Type	*object*

address-cfg

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_address-cfg

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ipv6_router

Specification	Value
Type	*object*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.113 interface tunnel ip

Global IP configuration subcommands

ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/tunnel/1/ip
Payload:
{
    "ip": {
        "rip": {
            "authentication": {
                "str": {
                    "string": "a"
                }
            }
        },
        "address": {
            "ip-cfg": [
                {
                    "ipv4-address": "3.3.3.3",
                    "ipv4-netmask": "255.255.0.0"
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/tunnel/1/ip
Reponse:
{
    "ip": {
        "address": {
            "ip-cfg": [
                {
                    "ipv4-address": "3.3.3.3",
                    "ipv4-netmask": "255.255.0.0"
                }
            ]
        },
        "generate-membership-query": 0,
        "inside": 0,
        "outside": 0,
        "uuid": "3fcd055a-b5b0-11ef-bcb4-ae71681635d0",
        "rip": {
```

(continues on next page)

(continued from previous page)

```
            "authentication": {
                "str": {
                    "string": "a"
                },
                "mode": {
                    "mode": "text"
                }
            },
            "send-packet": 1,
            "receive-packet": 1,
            "send-cfg": {
                "send": 0
            },
            "receive-cfg": {
                "receive": 0
            },
            "split-horizon-cfg": {
                "state": "poisoned"
            },
            "uuid": "3fcd8d9a-b5b0-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/tunnel/1/ip/rip"
        },
        "a10-url": "/axapi/v3/interface/tunnel/1/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/tunnel/1/ip
Payload:
{
    "ip": {
        "rip": {
            "authentication": {
                "mode": {
                    "mode": "text"
                }
            }
        },
        "address": {
            "ip-cfg": [
```

(continues on next page)

(continued from previous page)

```
                {
                    "ipv4-address": "3.3.3.4",
                    "ipv4-netmask": "255.255.255.0"
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/tunnel/1/ip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip attributes

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query-val

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Max Response Time (Default is 100)

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/rip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

address

Specification	Value
Type	*object*

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-cfg

Type: List

address_ip-cfg

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.114 interface tunnel ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf

ospf_attributes

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.115 interface tunnel ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Partition Visibility	shared
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/tunnel/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/tunnel/1/ip/ospf/ospf-global
Reponse:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "c6fd710e-b5b0-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/tunnel/1/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/tunnel/1/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
```

(continues on next page)

(continued from previous page)

```
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.116 interface tunnel ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Partition Visibility	shared
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

```
ospf-ip-list : [
        { ospf-ip attributes },
        { ospf-ip attributes },
        ...
    ]
```

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.63.117 interface tunnel ip rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/tunnel/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/tunnel/1/ip/rip
Reponse:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "49af4280-b5b1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/tunnel/1/ip/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/tunnel/1/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/tunnel/1/ip/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '2': RIP version 2;

Type: string

Supported Values: 2

2.63.118 interface tunnel ip router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ip/router
Element Attributes	router_attributes
Partition Visibility	None
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ip/router

router_attributes

router attributes

2.63.119 interface tunnel ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/tunnel/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ripng": {
                "rip": 1
            }
        },
        "address-cfg": [
            {
                "ipv6-addr": "2003::1/64",
                "address-type": "anycast"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/tunnel/1/ipv6
Reponse:
{
    "ipv6": {
        "address-cfg": [
            {
                "ipv6-addr": "2003::1/64",
                "address-type": "anycast"
            }
        ],
        "ipv6-enable": 0,
        "inside": 0,
        "outside": 0,
        "uuid": "951aa9b2-b5b1-11ef-bcb4-ae71681635d0",
        "router": {
            "ripng": {
                "rip": 1,
                "uuid": "951b051a-b5b1-11ef-bcb4-ae71681635d0",
                "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/router/ripng"
            },
            "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/router"
        },
        "a10-url": "/axapi/v3/interface/tunnel/1/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/tunnel/1/ipv6
Payload:
{
    "ipv6": {
        "router": {
            "ospf": {
                "area-list": [
```

(continues on next page)

(continued from previous page)

```
                    {
                        "area-id-num": 1,
                        "instance-id": 1
                    }
                ]
            }
        },
        "address-cfg": [
            {
                "ipv6-addr": "2003::2/64"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/tunnel/1/ipv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6 attributes

address-cfg

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-cfg

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

router

Specification	Value
Type	*object*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.120 interface tunnel ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/tunnel/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/tunnel/1/ipv6/ospf
Reponse:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint",
                "p2mp-nbma": 0,
                "network-instance-id": 0
            }
        ],
        "bfd": 0,
        "uuid": "c8ed24ae-b5b1-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/tunnel/1/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/tunnel/1/ipv6/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.121 interface tunnel ipv6 router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router

router_attributes

```
GET /axapi/v3/interface/tunnel/1/ipv6/router
Reponse:
{
    "router": {
        "ripng": {
            "rip": 1,
            "uuid": "e702208e-b5b1-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/router/ripng"
        },
        "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/router"
    }
}
```

router attributes

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Reference Object: */axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng*

ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.63.122 interface tunnel ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/tunnel/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/tunnel/1/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
        "uuid": "04b85f12-b5b2-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/tunnel/1/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/tunnel/1/ipv6/router/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.63.123 interface tunnel ipv6 router ripng

ripng

ripng Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Partition Visibility	shared
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/tunnel/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/tunnel/1/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "2481185c-b5b2-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/tunnel/1/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/tunnel/1/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/tunnel/1/ipv6/router/ripng
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.124 interface tunnel lw-4o6

Configure LW-4over6 interface

lw-4o6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lw-4o6
Element URI	/axapi/v3/interface/tunnel/{ifnum}/lw-4o6
Element Attributes	lw-4o6_attributes
Partition Visibility	shared
Schema	`lw-4o6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/lw-4o6

lw-4o6 attributes

```
POST /axapi/v3/interface/tunnel/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/lw-4o6

lw-4o6 attributes

```
GET /axapi/v3/interface/tunnel/1/lw-4o6
Reponse:
{
    "lw-4o6": {
        "outside": 1,
        "inside": 0,
        "uuid": "4324bce6-b5b2-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/tunnel/1/lw-4o6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/lw-4o6

lw-4o6 attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/lw-4o6

lw-4o6 attributes

```
PUT /axapi/v3/interface/tunnel/1/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/lw-4o6

lw-4o6 attributes

lw-4o6 attributes

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.125 interface tunnel map

Configure MAP on this interface

map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	map
Element URI	/axapi/v3/interface/tunnel/{ifnum}/map
Element Attributes	map_attributes
Partition Visibility	shared
Schema	`map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}/map

map attributes

```
POST /axapi/v3/interface/tunnel/1/map
Payload:
{
    "map": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/map

map attributes

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/map

map attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/map

map attributes

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/map

map attributes

map attributes

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.126 interface tunnel oper

Operational Status for the object tunnel

tunnel Specification

Parameter	Value
Type	*Collection*
Collection Name	*tunnel-list*
Collection URI	/axapi/v3/interface/tunnel/{ifnum}
Element Name	tunnel
Element URI	/axapi/v3/interface/tunnel/{ifnum}/oper
Element Attributes	tunnel_attributes
Partition Visibility	None
Schema	`tunnel schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

Create List

POST

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/oper

tunnel attributes

Get List

GET

/axapi/v3/interface/tunnel/{ifnum}

tunnel-list

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/oper

tunnel attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/oper

tunnel attributes

Replace List

PUT

/axapi/v3/interface/tunnel/{ifnum}

tunnel-list

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/oper

tunnel attributes

tunnel-list

tunnel-list is **JSON List** of *tunnel attributes*

tunnel-list : [

{ *tunnel attributes* },

{ *tunnel attributes* },

...

]

tunnel attributes

ifnum

Description Tunnel interface number

Type: number

Range: 1-128

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

config-speed

Description

Type: number

Range: 1-200

ipv4-address

Description IPv4 address

Type: string

Format: ipv4-address

ipv4-netmask

Description IPv4 subnet mask

Type: string

Format: ipv4-netmask

ipv4_addr_count

Description

Type: number

ipv4_list

Type: List

ipv6-link-local

Description

Type: string

Format: ipv6-address

ipv6-link-local-prefix

Description

Type: string

ipv6-link-local-scope

Description

Type: string

ipv6-link-local-type

Description

Type: string

ipv6_addr_count

Description

Type: number

ipv6_list

Type: List

line-protocol

Description

Type: string

Supported Values: up, down

link-type

Description

Type: string

mac

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

state

Description

Type: string

Supported Values: up, disabled, down

oper_ipv6_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv6-address

is_anycast

Description

Type: number

prefix

Description IP subnet mask

Type: string

oper_ipv4_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv4-address

mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

2.63.127 interface tunnel stats

Statistics for the object tunnel

tunnel Specification

Parameter	Value
Type	*Collection*
Collection Name	*tunnel-list*
Collection URI	/axapi/v3/interface/tunnel/{ifnum}
Element Name	tunnel
Element URI	/axapi/v3/interface/tunnel/{ifnum}/stats
Element Attributes	tunnel_attributes
Partition Visibility	None
Schema	`tunnel schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

Create List

POST

/axapi/v3/interface/tunnel/{ifnum}

tunnel attributes

Get Object

GET

/axapi/v3/interface/tunnel/{ifnum}/stats

tunnel attributes

Get List

GET

/axapi/v3/interface/tunnel/{ifnum}

tunnel-list

Modify Object

POST

/axapi/v3/interface/tunnel/{ifnum}/stats

tunnel attributes

Replace Object

PUT

/axapi/v3/interface/tunnel/{ifnum}/stats

tunnel attributes

Replace List

PUT

/axapi/v3/interface/tunnel/{ifnum}

tunnel-list

Delete Object

DELETE

/axapi/v3/interface/tunnel/{ifnum}/stats

tunnel attributes

tunnel-list

tunnel-list is **JSON List** of *tunnel attributes*

```
tunnel-list : [
        { tunnel attributes },
        { tunnel attributes },
        ...
    ]
```

tunnel attributes

ifnum

Description Tunnel interface number

Type: number

Range: 1-128

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

num-rx-err-pkts

Description received error packets

Type: number

Format: counter

num-rx-pkts

Description received packets

Type: number

Format: counter

num-total-rx-bytes

Description received bytes

Type: number

Format: counter

num-total-tx-bytes

Description sent bytes

Type: number

Format: counter

num-tx-err-pkts

Description sent error packets

Type: number

Format: counter

num-tx-pkts

Description sent packets

Type: number

Format: counter

rate_byte_rcvd

Description Byte received rate bits/sec

Type: number

Format: counter

rate_byte_sent

Description Byte sent rate bits/sec

Type: number

Format: counter

rate_pkt_rcvd

Description Packet received rate packets/sec

Type: number

Format: counter

rate_pkt_sent

Description Packet sent rate packets/sec

Type: number

Format: counter

2.63.128 interface ve

Virtual ethernet interface

ve Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifnum*
Collection Name	*ve-list*
Collection URI	/axapi/v3/interface/ve
Element Name	ve
Element URI	/axapi/v3/interface/ve/{ifnum}
Element Attributes	ve_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/interface/ve/{ifnum}/stats
Operational Data URI	/axapi/v3/interface/ve/{ifnum}/oper
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve

ve attributes

```
POST /axapi/v3/interface/ve/
Payload:
{
    "ve": {
        "ifnum": 2,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/interface/ve

ve attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}

ve attributes

```
GET /axapi/v3/interface/ve/2
Reponse:
{
    "ve": {
        "ifnum": 2,
        "port-scan-detection": "disable",
        "ping-sweep-detection": "disable",
        "l3-vlan-fwd-disable": 0,
        "mtu": 1500,
        "trap-source": 0,
        "action": "enable",
        "uuid": "8a7d3b36-b5b2-11ef-bcb4-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/interface/ve/2"
    }
}
```

Get List

GET

/axapi/v3/interface/ve

ve-list

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}

ve attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}

ve attributes

```
PUT /axapi/v3/interface/ve/2
Payload:
{
    "ve": {
        "ifnum": 2,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/interface/ve

ve-list

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}

ve attributes

```
DELETE /axapi/v3/interface/ve/2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

access-list

Description: access-list is a **JSON Block**. Please see below for *access-list*

Type: Object

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/bfd*

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ddos*

gaming-protocol-compliance

Description Enable Gaming Protocol Compliance Check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *icmp-rate-limit*

Type: Object

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *icmpv6-rate-limit*

Type: Object

ifnum

Description Virtual ethernet interface number

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/isis*

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs for incoming packets on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lw-4o6

Description: lw-4o6 is a **JSON Block**. Please see below for *lw-4o6*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/lw-4o6*

map

Description: map is a **JSON Block**. Please see below for *map*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/map*

mtu

Description Interface mtu (Interface MTU, default 1 (min MTU is 1280 for IPv6))

Type: number

name

Description Name for the interface

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

nptv6

Description: nptv6 is a **JSON Block**. Please see below for *nptv6*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/nptv6*

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

sampling-enable

Type: List

trap-source

Description The trap source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	Value
Type	*object*

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ip_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *ip_rip*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *ip_router*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ip_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ip_helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

ip_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ip_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/router/isis*

ip_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *ip_rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *ip_rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *ip_rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ip_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

ip_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ip_rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *ip_rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *ip_rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *ip_rip_authentication_str*

Type: Object

ip_rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

ip_rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

ip_rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

ip_rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ip_ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ip_ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ip_ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ip_ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ip_ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip_ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ip_ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ip_ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip_ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ip_ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ip_ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

ddos

Specification	Value
Type	*object*

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

bfd

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *bfd_authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_pkts': Input packets; 'num_total_bytes': Input bytes; 'num_unicast_pkts': Received unicasts; 'num_broadcast_pkts': Received broadcasts; 'num_multicast_pkts': Received multicasts; 'num_tx_pkts': Transmitted packets; 'num_total_tx_bytes': Transmitted bytes; 'num_unicast_tx_pkts': Transmitted unicasts; 'num_broadcast_tx_pkts': Transmitted broadcasts; 'num_multicast_tx_pkts': Transmitted multicasts; 'rate_pkt_sent': Packet sent rate packets/sec; 'rate_byte_sent': Byte sent rate bits/sec; 'rate_pkt_rcvd': Packet received rate packets/sec; 'rate_byte_rcvd': Byte received rate bits/sec; 'load_interval': Load Interval;

Type: string

Supported Values: all, num_pkts, num_total_bytes, num_unicast_pkts, num_broadcast_pkts, num_multicast_pkts, num_tx_pkts, num_total_tx_bytes, num_unicast_tx_pkts, num_broadcast_tx_pkts, num_multicast_tx_pkts, rate_pkt_sent, rate_byte_sent, rate_pkt_rcvd, rate_byte_rcvd, load_interval

ipv6

Specification	Value
Type	*object*

address-list

Type: List

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/ospf*

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *ipv6_router*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *ipv6_router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *ipv6_stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ipv6_address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

ipv6_rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *ipv6_rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

ipv6_stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ipv6_router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ipv6_router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng*

ipv6_router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ipv6_ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ipv6_ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ipv6_ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ipv6_ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ipv6_router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

map

Specification	Value
Type	*object*

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nptv6

Specification	Value
Type	*object*

domain-list

Type: List

Reference Object: */axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

nptv6_domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *isis_authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *isis_bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *isis_mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

isis_priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

isis_hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

isis_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

isis_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

isis_hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

isis_metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

isis_csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

icmpv6-rate-limit

Specification	Value
Type	*object*

lockup-period-v6

Description Lockup period (second)

Type: number

Range: 1-16383

lockup-v6

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

normal-v6

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

lw-4o6

Specification	Value
Type	*object*

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate-limit

Specification	Value
Type	*object*

lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

normal

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

2.63.129 interface ve bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/interface/ve/{ifnum}/bfd
Element Attributes	bfd_attributes
Partition Visibility	shared
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

```
POST /axapi/v3/interface/ve/2/bfd
Payload:
{
    "bfd": {
        "authentication": {
            "method": "md5",
            "key-id": 0,
            "password": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

```
GET /axapi/v3/interface/ve/2/bfd
Reponse:
{
    "bfd": {
        "authentication": {
            "key-id": 0,
            "method": "md5",
            "encrypted": "X7lswazs7vO3trvt9eupPErAz/qNkpzsGS/
↪aUyca97VpJgsdC8utH8XFYINI62WE"
        },
        "echo": 0,
        "uuid": "415aa6fe-b5b3-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

```
PUT /axapi/v3/interface/ve/2/bfd
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "bfd": {
        "authentication": {
            "method": "meticulous-md5",
            "key-id": 1,
            "password": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/bfd

bfd attributes

```
DELETE /axapi/v3/interface/ve/2/bfd
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bfd attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

demand

Description Demand mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key-id

Description Key ID

Type: number

Range: 0-255

method

Description 'md5': Keyed MD5; 'meticulous-md5': Meticulous Keyed MD5; 'meticulous-sha1': Meticulous Keyed SHA1; 'sha1': Keyed SHA1; 'simple': Simple Password;

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

password

Description Key String

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds)

Type: number

Range: 48-1000

min-rx

Description Minimum receive interval capability (Milliseconds)

Type: number

Range: 48-1000

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval)

Type: number

Range: 3-50

2.63.130 interface ve ddos

Configure DDoS interface direction

ddos Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ddos
Element URI	/axapi/v3/interface/ve/{ifnum}/ddos
Element Attributes	ddos_attributes
Partition Visibility	shared
Schema	`ddos schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ddos

ddos attributes

```
POST /axapi/v3/interface/ve/2/ddos
Payload:
{
    "ddos": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ddos

ddos attributes

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ddos

ddos attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ddos

ddos attributes

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ddos

ddos attributes

ddos attributes

inside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description DDoS inside (trusted) or outside (untrusted) interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.131 interface ve ip

Global IP configuration subcommands

ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/interface/ve/{ifnum}/ip
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

```
POST /axapi/v3/interface/ve/2/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1
        },
        "dhcp": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

```
GET /axapi/v3/interface/ve/2/ip
Reponse:
{
    "ip": {
        "dhcp": 1,
        "allow-promiscuous-vip": 0,
        "client": 0,
        "server": 0,
        "dmz": 0,
        "inside": 0,
        "outside": 0,
        "ttl-ignore": 0,
        "syn-cookie": 0,
        "slb-partition-redirect": 0,
        "generate-membership-query": 0,
```

(continues on next page)

(continued from previous page)

```
        "unnumbered": 0,
        "uuid": "975c4bfc-b5b3-11ef-bcb4-ae71681635d0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "975c6f9c-b5b3-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/ve/2/ip/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/ve/2/ip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

```
PUT /axapi/v3/interface/ve/2/ip
Payload:
{
    "ip": {
        "stateful-firewall": {
            "inside": 1,
            "class-list": "abcd"
        },
        "dhcp": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip

ip attributes

```
DELETE /axapi/v3/interface/ve/2/ip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

ip attributes

address-list

Type: List

allow-promiscuous-vip

Description Allow traffic to be associated with promiscuous VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client

Description Client facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dhcp

Description Use DHCP to configure IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dmz

Description DMZ network facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

generate-membership-query

Description Enable Membership Query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

helper-address-list

Type: List

inside

Description Configure interface as inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-resp-time

Description Maximum Response Time (Max Response Time (Default is 100))

Type: number

Range: 1-255

Default: 100

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf*

outside

Description Configure interface as outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-interval

Description 1 - 255 (Default is 125)

Type: number

Range: 1-255

Default: 125

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/router*

server

Description Server facing interface for IPv4/v6 traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-partition-redirect

Description Redirect SLB traffic across partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall*

syn-cookie

Description Enable SYN-cookie on the interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unnumbered

Description Set the interface as unnumbered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-list

Specification	Value
Type	*list*
Block object keys	

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

helper-address-list

Specification	Value
Type	*list*
Block object keys	

helper-address

Description Helper address for DHCP packets (IP address)

Type: string

Format: ipv4-address

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/router/isis*

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	Value
Type	*object*

authentication

Description: authentication is a **JSON Block**. Please see below for *rip_authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *rip_receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *rip_send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

rip_authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *rip_authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *rip_authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *rip_authentication_str*

Type: Object

rip_authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

rip_authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

rip_authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

rip_send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

ospf

Specification	Value
Type	*object*

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf_ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf_ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf_ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf_ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf_ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf_ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf_ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf_ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.132 interface ve ip ospf

Open Shortest Path First for IPv4 (OSPF)

ospf Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/ospf

ospf_attributes

```
GET /axapi/v3/interface/ve/2/ip/ospf
Reponse:
{
    "ospf": {
        "ospf-global": {
            "authentication-cfg": {
                "authentication": 1
            },
            "bfd-cfg": {
                "bfd": 0
            },
            "dead-interval": 40,
            "hello-interval": 10,
            "mtu-ignore": 0,
            "network": {
                "broadcast": 0
            },
            "priority": 1,
            "retransmit-interval": 5,
            "transmit-delay": 1,
            "uuid": "c37dc7d8-b5b3-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/ve/2/ip/ospf/ospf-global"
        },
        "a10-url": "/axapi/v3/interface/ve/2/ip/ospf"
    }
}
```

ospf attributes

ospf-global

Description: ospf-global is a **JSON Block**. Please see below for *ospf-global*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global*

ospf-ip-list

Type: List

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}*

ospf-ip-list

Specification	Value
Type	*list*
Block object keys	

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-ip-list_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global

Specification	Value
Type	*object*

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *ospf-global_authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *ospf-global_bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *ospf-global_database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *ospf-global_network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-global_network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

ospf-global_authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

ospf-global_database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-global_message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *ospf-global_message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

ospf-global_message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.133 interface ve ip ospf ospf-global

Global setting for Open Shortest Path First for IPv4 (OSPF)

ospf-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf-global
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global
Element Attributes	ospf-global_attributes
Partition Visibility	shared
Schema	`ospf-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
POST /axapi/v3/interface/ve/2/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
GET /axapi/v3/interface/ve/2/ip/ospf/ospf-global
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 1
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "dead-interval": 40,
        "hello-interval": 10,
        "mtu-ignore": 0,
        "network": {
            "broadcast": 0
        },
        "priority": 1,
        "retransmit-interval": 5,
        "transmit-delay": 1,
        "uuid": "e2ae27a6-b5b3-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ip/ospf/ospf-global"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

```
PUT /axapi/v3/interface/ve/2/ip/ospf/ospf-global
Payload:
{
    "ospf-global": {
        "authentication-cfg": {
            "authentication": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-global

ospf-global attributes

ospf-global attributes

authentication-cfg

Description: authentication-cfg is a **JSON Block**. Please see below for *authentication-cfg*

Type: Object

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter-cfg

Description: database-filter-cfg is a **JSON Block**. Please see below for *database-filter-cfg*

Type: Object

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

disable

Description 'all': All functionality;

Type: string

Supported Values: all

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

message-digest-cfg

Type: List

mtu

Description OSPF interface MTU (MTU size)

Type: number

Range: 576-65535

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network

Specification	Value
Type	*object*

broadcast

Description Specify OSPF broadcast multi-access network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: broadcast,non-broadcast, point-to-point, and point-to-multipoint are mutually exclusive

non-broadcast

Description Specify OSPF NBMA network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: non-broadcast,broadcast, point-to-point, and point-to-multipoint are mutually exclusive

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

point-to-multipoint

Description Specify OSPF point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-multipoint,broadcast, non-broadcast, and point-to-point are mutually exclusive

point-to-point

Description Specify OSPF point-to-point network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: point-to-point,broadcast, non-broadcast, and point-to-multipoint are mutually exclusive

authentication-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

database-filter-cfg

Specification	Value
Type	*object*

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

md5

Description: md5 is a **JSON Block**. Please see below for *message-digest-cfg_md5*

Type: Object

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

message-digest-cfg_md5

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

2.63.134 interface ve ip ospf ospf-ip

IP address configuration for Open Shortest Path First for IPv4 (OSPF)

ospf-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-addr*
Collection Name	*ospf-ip-list*
Collection URI	/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip
Element Name	ospf-ip
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}
Element Attributes	ospf-ip_attributes
Partition Visibility	shared
Schema	`ospf-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Create List

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip

ospf-ip attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Get List

GET

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

Replace List

PUT

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip

ospf-ip-list

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/ospf/ospf-ip/{ip-addr}

ospf-ip attributes

ospf-ip-list

ospf-ip-list is **JSON List** of *ospf-ip attributes*

ospf-ip-list : [

{ *ospf-ip attributes* },

{ *ospf-ip attributes* },

...

]

ospf-ip attributes

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

authentication-key

Description Authentication password (key) (The OSPF password (key))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

cost

Description Interface cost

Type: number

Range: 1-65535

database-filter

Description 'all': Filter all LSA;

Type: string

Supported Values: all

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

ip-addr

Description Address of interface

Type: string

Format: ipv4-address

message-digest-cfg

Type: List

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out

Description Outgoing LSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'message-digest': Use message-digest authentication; 'null': Use no authentication;

Type: string

Supported Values: message-digest, null

message-digest-cfg

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

md5-value

Description The OSPF password (1-16)

Type: string

Format: password

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Message digest authentication password (key) (Key id)

Type: number

Range: 1-255

2.63.135 interface ve ip rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

```
POST /axapi/v3/interface/ve/2/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

```
GET /axapi/v3/interface/ve/2/ip/rip
Reponse:
{
```

(continues on next page)

(continued from previous page)


```
    "rip": {
        "authentication": {
            "str": {
                "string": "a"
            },
            "mode": {
                "mode": "text"
            }
        },
        "send-packet": 1,
        "receive-packet": 1,
        "send-cfg": {
            "send": 0
        },
        "receive-cfg": {
            "receive": 0
        },
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "67553328-b5b4-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ip/rip"
    }
}
```


Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

```
PUT /axapi/v3/interface/ve/2/ip/rip
Payload:
{
    "rip": {
        "authentication": {
            "str": {
                "string": "abcd"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/rip

rip attributes

```
DELETE /axapi/v3/interface/ve/2/ip/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

receive-cfg

Description: receive-cfg is a **JSON Block**. Please see below for *receive-cfg*

Type: Object

receive-packet

Description Enable receiving packet through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-cfg

Description: send-cfg is a **JSON Block**. Please see below for *send-cfg*

Type: Object

send-packet

Description Enable sending packets through the specified interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

receive-cfg

Specification	Value
Type	*object*

receive

Description Advertisement reception

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-2

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

authentication

Specification	Value
Type	*object*

key-chain

Description: key-chain is a **JSON Block**. Please see below for *authentication_key-chain*

Type: Object

mode

Description: mode is a **JSON Block**. Please see below for *authentication_mode*

Type: Object

str

Description: str is a **JSON Block**. Please see below for *authentication_str*

Type: Object

authentication_key-chain

Specification	Value
Type	*object*

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Format: string-rlx

authentication_mode

Specification	Value
Type	*object*

mode

Description 'md5': Keyed message digest; 'text': Clear text authentication;

Type: string

Supported Values: md5, text

Default: text

authentication_str

Specification	Value
Type	*object*

string

Description The RIP authentication string

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

send-cfg

Specification	Value
Type	*object*

send

Description Advertisement transmission

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

version

Description '1': RIP version 1; '2': RIP version 2; '1-compatible': RIPv1-compatible; '1-2': RIP version 1 & 2;

Type: string

Supported Values: 1, 2, 1-compatible, 1-2

2.63.136 interface ve ip router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ip/router/isis*

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.137 interface ve ip router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

```
POST /axapi/v3/interface/ve/2/ip/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

```
GET /axapi/v3/interface/ve/2/ip/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "f82903b6-b5b4-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ip/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

```
PUT /axapi/v3/interface/ve/2/ip/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/router/isis

isis attributes

```
DELETE /axapi/v3/interface/ve/2/ip/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.138 interface ve ip stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall
Element Attributes	stateful-firewall_attributes
Partition Visibility	shared
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/ve/2/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/ve/2/ip/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "1c6cd4b4-b5b5-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ip/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/ve/2/ip/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ip/stateful-firewall

stateful-firewall attributes

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-id

Description ACL id

Type: number

Range: 1-199

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.139 interface ve ipv6

Global IPv6 configuration subcommands

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

```
POST /axapi/v3/interface/ve/2/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
            "inside": 1
        },
        "address-list": [
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

```
GET /axapi/v3/interface/ve/2/ipv6
Reponse:
{
    "ipv6": {
        "address-list": [
```

(continues on next page)

(continued from previous page)


```
            {
                "ipv6-addr": "2003::/64",
                "address-type": "anycast"
            }
        ],
        "ipv6-enable": 0,
        "inside": 0,
        "outside": 0,
        "ttl-ignore": 0,
        "router-adver": {
            "action": "disable",
            "default-lifetime": 1800,
            "hop-limit": 255,
            "max-interval": 600,
            "min-interval": 200,
            "rate-limit": 100000,
            "reachable-time": 0,
            "retransmit-timer": 0,
            "adver-mtu-disable": 1,
            "managed-config-action": "disable",
            "other-config-action": "disable",
            "adver-vrid-default": 0
        },
        "uuid": "46d16a3a-b5b5-11ef-bcb4-ae71681635d0",
        "stateful-firewall": {
            "inside": 1,
            "outside": 0,
            "uuid": "46d1930c-b5b5-11ef-bcb4-ae71681635d0",
            "a10-url": "/axapi/v3/interface/ve/2/ipv6/stateful-firewall"
        },
        "a10-url": "/axapi/v3/interface/ve/2/ipv6"
    }
}
```


Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

```
PUT /axapi/v3/interface/ve/2/ipv6
Payload:
{
    "ipv6": {
        "stateful-firewall": {
```

(continues on next page)

(continued from previous page)

```
            "inside": 1,
            "class-list": "abcd"
        },
        "address-list": [
            {
                "ipv6-addr": "fe80::1/64",
                "address-type": "link-local"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6

ipv6 attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6 attributes

address-list

Type: List

inbound

Description ACL applied on incoming packets to this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inside

Description Configure interface as NAT inside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-enable

Description Enable IPv6 processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/ospf*

outside

Description Configure interface as NAT outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/rip*

router

Description: router is a **JSON Block**. Please see below for *router*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router*

router-adver

Description: router-adver is a **JSON Block**. Please see below for *router-adver*

Type: Object

stateful-firewall

Description: stateful-firewall is a **JSON Block**. Please see below for *stateful-firewall*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall*

ttl-ignore

Description Ignore TTL decrement for a received packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply ACL rules to incoming packets on this interface (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

address-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'anycast': Configure an IPv6 anycast address; 'link-local': Configure an IPv6 link local address;

Type: string

Supported Values: anycast, link-local

ipv6-addr

Description Set the IPv6 address of an interface

Type: string

Format: ipv6-address-plen

rip

Specification	Value
Type	*object*

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *rip_split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

stateful-firewall

Specification	Value
Type	*object*

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *router_isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *router_ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *router_ripng*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng*

router_ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

router_ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router_isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

ospf_priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

ospf_mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

ospf_network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf_transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

ospf_neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf_dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

router-adver

Specification	Value
Type	*object*

action

Description 'enable': Enable Router Advertisements on this interface; 'disable': Disable Router Advertisements on this interface;

Type: string

Supported Values: enable, disable

Default: disable

adver-mtu

Description Set Router Advertisement MTU Option

Type: number

Mutual Exclusion: adver-mtu and adver-mtu-disable are mutually exclusive

adver-mtu-disable

Description Disable Router Advertisement MTU Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

Mutual Exclusion: adver-mtu-disable and adver-mtu are mutually exclusive

adver-vrid

Description Vrid

Type: number

Range: 1-31

Mutual Exclusion: adver-vrid and adver-vrid-default are mutually exclusive

adver-vrid-default

Description Default VRRP-A vrid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: adver-vrid-default and adver-vrid are mutually exclusive

default-lifetime

Description Set Router Advertisement Default Lifetime (default: 1800) (Default Lifetime (seconds))

Type: number

Range: 0-9000

Default: 1800

floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: string

Format: ipv6-address

hop-limit

Description Set Router Advertisement Hop Limit (default: 255)

Type: number

Range: 0-255

Default: 255

managed-config-action

Description 'enable': Enable the Managed Address Configuration flag; 'disable': Disable the Managed Address Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

max-interval

Description Set Router Advertisement Max Interval (default: 600) (Max Router Advertisement Interval (seconds))

Type: number

Range: 4-1800

Default: 600

min-interval

Description Set Router Advertisement Min Interval (default: 200) (Min Router Advertisement Interval (seconds))

Type: number

Range: 3-1350

Default: 200

other-config-action

Description 'enable': Enable the Other Stateful Configuration flag; 'disable': Disable the Other Stateful Configuration flag (default);

Type: string

Supported Values: enable, disable

Default: disable

prefix-list

Type: List

rate-limit

Description Rate Limit the processing of incoming Router Solicitations (Max Number of Router Solicitations to process per second)

Type: number

Range: 1-100000

Default: 100000

reachable-time

Description Set Router Advertisement Reachable ime (default: 0) (Reachable Time (milliseconds))

Type: number

Range: 0-3600000

Default: 0

retransmit-timer

Description Set Router Advertisement Retransmit Timer (default: 0)

Type: number

Range: 0-4294967295

Default: 0

use-floating-ip

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-floating-ip-default-vrid

Description Use a floating IP as the source address for Router advertisements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-adver_prefix-list

Specification	Value
Type	*list*
Block object keys	

not-autonomous

Description Specify that the Prefix is not usable for autoconfiguration (default:autonomous)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

not-on-link

Description Specify that the Prefix is not On-Link (default: on-link)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

preferred-lifetime

Description Specify Prefix Preferred Lifetime (default:604800) (Prefix Advertised Preferred Lifetime (default: 604800))

Type: number

Range: 0-4294967295

Default: 604800

prefix

Description Set Router Advertisement On-Link Prefix (IPv6 On-Link Prefix)

Type: string

Format: ipv6-address-plen

valid-lifetime

Description Specify Valid Lifetime (default:2592000) (Prefix Advertised Valid Lifetime (default: 2592000))

Type: number

Range: 0-4294967295

Default: 2592000

2.63.140 interface ve ipv6 ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

```
POST /axapi/v3/interface/ve/2/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
```

(continues on next page)

(continued from previous page)

```
                "broadcast-type": "point-to-multipoint"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

```
GET /axapi/v3/interface/ve/2/ipv6/ospf
Reponse:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint",
                "p2mp-nbma": 0,
                "network-instance-id": 0
            }
        ],
        "bfd": 0,
        "uuid": "70ae35ea-b5b5-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/ospf
Payload:
{
    "ospf": {
        "network-list": [
            {
                "broadcast-type": "point-to-multipoint"
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cost-cfg

Type: List

dead-interval-cfg

Type: List

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hello-interval-cfg

Type: List

mtu-ignore-cfg

Type: List

neighbor-cfg

Type: List

network-list

Type: List

priority-cfg

Type: List

retransmit-interval-cfg

Type: List

transmit-delay-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cost-cfg

Specification	Value
Type	*list*
Block object keys	

cost

Description Interface cost

Type: number

Range: 1-65535

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

hello-interval-cfg

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Time between HELLO packets (Seconds)

Type: number

Range: 1-65535

Default: 10

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

priority

Description Router priority

Type: number

Range: 0-255

Default: 1

mtu-ignore-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

mtu-ignore

Description Ignores the MTU in DBD packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-interval-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description Time between retransmitting lost link state advertisements (Seconds)

Type: number

Range: 1-65535

Default: 5

network-list

Specification	Value
Type	*list*
Block object keys	

broadcast-type

Description 'broadcast': Specify OSPF broadcast multi-access network; 'non-broadcast': Specify OSPF NBMA network; 'point-to-point': Specify OSPF point-to-point network; 'point-to-multipoint': Specify OSPF point-to-multipoint network;

Type: string

Supported Values: broadcast, non-broadcast, point-to-point, point-to-multipoint

network-instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

p2mp-nbma

Description Specify non-broadcast point-to-multipoint network

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transmit-delay-cfg

Specification	Value
Type	*list*
Block object keys	

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

transmit-delay

Description Link state transmit delay (Seconds)

Type: number

Range: 1-65535

Default: 1

neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

neig-inst

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

neighbor

Description OSPFv3 neighbor (Neighbor IPv6 address)

Type: string

Format: ipv6-address

Default: ::

neighbor-cost

Description OSPF cost for point-to-multipoint neighbor (metric)

Type: number

Range: 1-65535

neighbor-poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 0-4294967295

neighbor-priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

dead-interval-cfg

Specification	Value
Type	*list*
Block object keys	

dead-interval

Description Interval after which a neighbor is declared dead (Seconds)

Type: number

Range: 1-65535

Default: 40

instance-id

Description Specify the interface instance ID

Type: number

Range: 0-255

Default: 0

2.63.141 interface ve ipv6 rip

RIP

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

```
POST /axapi/v3/interface/ve/2/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

```
GET /axapi/v3/interface/ve/2/ipv6/rip
Reponse:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "poisoned"
        },
        "uuid": "959a0686-b5b5-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/rip
Payload:
{
    "rip": {
        "split-horizon-cfg": {
            "state": "disable"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/rip

rip attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

split-horizon-cfg

Description: split-horizon-cfg is a **JSON Block**. Please see below for *split-horizon-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

split-horizon-cfg

Specification	Value
Type	*object*

state

Description 'poisoned': Perform split horizon with poisoned reverse; 'disable': Disable split horizon; 'enable': Perform split horizon without poisoned reverse;

Type: string

Supported Values: poisoned, disable, enable

Default: poisoned

2.63.142 interface ve ipv6 router

Router

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/router

router_attributes

router attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf*

ripng

Description: ripng is a **JSON Block**. Please see below for *ripng*

Type: Object

Reference Object: */axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng*

ripng

Specification	Value
Type	*object*

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf_area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.143 interface ve ipv6 router isis

IS-IS Routing for IP

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

```
POST /axapi/v3/interface/ve/2/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "a"
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

```
GET /axapi/v3/interface/ve/2/ipv6/router/isis
Reponse:
{
    "isis": {
        "tag": "a",
        "uuid": "db120466-b5b5-11ef-bcb4-ae71681635d0",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/router/isis"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/router/isis
Payload:
{
    "isis": {
        "tag": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/router/isis

isis attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/router/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.144 interface ve ipv6 router ospf

Open Shortest Path First for IPv6 (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

```
POST /axapi/v3/interface/ve/2/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a"
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

```
GET /axapi/v3/interface/ve/2/ipv6/router/ospf
Reponse:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 0,
                "tag": "a",
                "instance-id": 0
            }
        ],
        "uuid": "fa26cc10-b5b5-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/router/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/router/ospf
Payload:
{
    "ospf": {
        "area-list": [
            {
                "area-id-num": 1,
                "tag": "abcd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ospf

ospf attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/router/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

area-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

area-list

Specification	Value
Type	*list*
Block object keys	

area-id-addr

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-id-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

instance-id

Description Set the interface instance ID

Type: number

Range: 0-255

Default: 0

tag

Description Set the OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.63.145 interface ve ipv6 router ripng

ripng

ripng Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ripng
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng
Element Attributes	ripng_attributes
Partition Visibility	shared
Schema	`ripng schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

```
POST /axapi/v3/interface/ve/2/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

```
GET /axapi/v3/interface/ve/2/ipv6/router/ripng
Reponse:
{
    "ripng": {
        "rip": 1,
        "uuid": "1aed1b8e-b5b6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/router/ripng"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/router/ripng
Payload:
{
    "ripng": {
        "rip": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/router/ripng

ripng attributes

```
DELETE /axapi/v3/interface/ve/2/ipv6/router/ripng
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ripng attributes

rip

Description RIP Routing for IPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.146 interface ve ipv6 stateful-firewall

Configure Stateful Firewall direction

stateful-firewall Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stateful-firewall
Element URI	/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall
Element Attributes	stateful-firewall_attributes
Partition Visibility	shared
Schema	`stateful-firewall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
POST /axapi/v3/interface/ve/2/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
GET /axapi/v3/interface/ve/2/ipv6/stateful-firewall
Reponse:
{
    "stateful-firewall": {
        "inside": 1,
        "outside": 0,
        "uuid": "3edbe71e-b5b6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/ipv6/stateful-firewall"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

```
PUT /axapi/v3/interface/ve/2/ipv6/stateful-firewall
Payload:
{
    "stateful-firewall": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/ipv6/stateful-firewall

stateful-firewall attributes

stateful-firewall attributes

access-list

Description Access-list for traffic from the outside

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

acl-name

Description Access-list Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

class-list

Description Class List (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

inside

Description Inside (private) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Outside (public) interface for stateful firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.147 interface ve isis

ISIS

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/interface/ve/{ifnum}/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

```
POST /axapi/v3/interface/ve/2/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

```
GET /axapi/v3/interface/ve/2/isis
Reponse:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 1
                }
            ]
        },
        "bfd-cfg": {
            "bfd": 0
        },
        "circuit-type": "level-1-2",
        "padding": 1,
        "lsp-interval": 33,
        "mesh-group": {
            "blocked": 0
        },
        "retransmit-interval": 5,
        "uuid": "629dc140-b5b6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/isis"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

```
PUT /axapi/v3/interface/ve/2/isis
Payload:
{
    "isis": {
        "authentication": {
            "send-only-list": [
                {
                    "send-only": 0
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/isis

isis attributes

```
DELETE /axapi/v3/interface/ve/2/isis
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis attributes

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd-cfg

Description: bfd-cfg is a **JSON Block**. Please see below for *bfd-cfg*

Type: Object

circuit-type

Description 'level-1': Level-1 only adjacencies are formed; 'level-1-2': Level-1-2 adjacencies are formed; 'level-2-only': Level-2 only adjacencies are formed;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1-2

csnp-interval-list

Type: List

hello-interval-list

Type: List

hello-interval-minimal-list

Type: List

hello-multiplier-list

Type: List

lsp-interval

Description Set LSP transmission interval (LSP transmission interval (milliseconds))

Type: number

Range: 1-4294967295

Default: 33

mesh-group

Description: mesh-group is a **JSON Block**. Please see below for *mesh-group*

Type: Object

metric-list

Type: List

network

Description 'broadcast': Specify IS-IS broadcast multi-access network; 'point-to-point': Specify IS-IS point-to-point network;

Type: string

Supported Values: broadcast, point-to-point

padding

Description Add padding to IS-IS hello packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

password-list

Type: List

priority-list

Type: List

retransmit-interval

Description Set per-LSP retransmission interval (Interval between retransmissions of the same LSP (seconds))

Type: number

Range: 0-65535

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wide-metric-list

Type: List

priority-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify priority for level-1 routing; 'level-2': Specify priority for level-2 routing;

Type: string

Supported Values: level-1, level-2

priority

Description Set priority for Designated Router election (Priority value)

Type: number

Range: 0-127

Default: 64

hello-interval-minimal-list

Specification	Value
Type	*list*
Block object keys	

hello-interval-minimal

Description Set Hello holdtime 1 second, interval depends on multiplier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

mesh-group

Specification	Value
Type	*object*

blocked

Description Block LSPs on this interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: blocked and value are mutually exclusive

value

Description Mesh group number

Type: number

Range: 1-4294967295

Mutual Exclusion: value and blocked are mutually exclusive

bfd-cfg

Specification	Value
Type	*object*

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify password for level-1 PDUs; 'level-2': Specify password for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

password

Description Configure the authentication password for interface

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Keyed message digest;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

wide-metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

wide-metric

Description Configure the wide metric for interface

Type: number

Range: 1-16777214

Default: 10

hello-interval-list

Specification	Value
Type	*list*
Block object keys	

hello-interval

Description Set Hello interval in seconds (Hello interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Specify hello-interval for level-1 IIHs; 'level-2': Specify hello-interval for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

hello-multiplier-list

Specification	Value
Type	*list*
Block object keys	

hello-multiplier

Description Set multiplier for Hello holding time (Hello multiplier value)

Type: number

Range: 2-100

Default: 3

level

Description 'level-1': Specify hello multiplier for level-1 IIHs; 'level-2': Specify hello multiplier for level-2 IIHs;

Type: string

Supported Values: level-1, level-2

metric-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Apply metric to level-1 links; 'level-2': Apply metric to level-2 links;

Type: string

Supported Values: level-1, level-2

metric

Description Configure the metric for interface (Default metric)

Type: number

Range: 1-63

Default: 10

csnp-interval-list

Specification	Value
Type	*list*
Block object keys	

csnp-interval

Description Set CSNP interval in seconds (CSNP interval value)

Type: number

Range: 1-65535

Default: 10

level

Description 'level-1': Speficy interval for level-1 CSNPs; 'level-2': Specify interval for level-2 CSNPs;

Type: string

Supported Values: level-1, level-2

2.63.148 interface ve lw-4o6

Configure LW-4over6 interface

lw-4o6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lw-4o6
Element URI	/axapi/v3/interface/ve/{ifnum}/lw-4o6
Element Attributes	lw-4o6_attributes
Partition Visibility	shared
Schema	`lw-4o6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

```
POST /axapi/v3/interface/ve/2/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

```
GET /axapi/v3/interface/ve/2/lw-4o6
Reponse:
{
    "lw-4o6": {
        "outside": 1,
        "inside": 0,
        "uuid": "825b6870-b5b6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/lw-4o6"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

```
PUT /axapi/v3/interface/ve/2/lw-4o6
Payload:
{
    "lw-4o6": {
        "outside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/lw-4o6

lw-4o6 attributes

lw-4o6 attributes

inside

Description Configure LW-4over6 outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure LW-4over6 inside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.149 interface ve map

Configure MAP on this interface

map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	map
Element URI	/axapi/v3/interface/ve/{ifnum}/map
Element Attributes	map_attributes
Partition Visibility	shared
Schema	`map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/map

map attributes

```
POST /axapi/v3/interface/ve/2/map
Payload:
{
    "map": {
        "inside": 1
    }
}
```

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/map

map attributes

```
GET /axapi/v3/interface/ve/2/map
Reponse:
{
    "map": {
        "inside": 1,
        "outside": 0,
        "map-t-inside": 0,
        "map-t-outside": 0,
        "uuid": "a1372770-b5b6-11ef-bcb4-ae71681635d0",
        "a10-url": "/axapi/v3/interface/ve/2/map"
    }
}
```

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/map

map attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/map

map attributes

```
PUT /axapi/v3/interface/ve/2/map
Payload:
{
    "map": {
        "inside": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/map

map attributes

map attributes

inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-inside

Description Configure MAP inside interface (connected to MAP domains)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

map-t-outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

outside

Description Configure MAP outside interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.150 interface ve nptv6

Configure NPTv6 on this interface

nptv6 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	nptv6
Element URI	/axapi/v3/interface/ve/{ifnum}/nptv6
Element Attributes	nptv6_attributes
Partition Visibility	shared
Schema	`nptv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/nptv6

nptv6_attributes

nptv6 attributes

domain-list

Type: List

Reference Object: */axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}*

domain-list

Specification	Value
Type	*list*
Block object keys	

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.151 interface ve nptv6 domain

Apply NPTv6 translation domain on interface

domain Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*domain-name, bind-type*
Collection Name	*domain-list*
Collection URI	/axapi/v3/interface/ve/{ifnum}/nptv6/domain
Element Name	domain
Element URI	/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}
Element Attributes	domain_attributes
Partition Visibility	shared
Schema	`domain schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}/nptv6/domain

domain attributes

Create List

POST

/axapi/v3/interface/ve/{ifnum}/nptv6/domain

domain attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Get List

GET

/axapi/v3/interface/ve/{ifnum}/nptv6/domain

domain-list

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

Replace List

PUT

/axapi/v3/interface/ve/{ifnum}/nptv6/domain

domain-list

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/nptv6/domain/{domain-name}+{bind-type}

domain attributes

domain-list

domain-list is **JSON List** of *domain attributes*

domain-list : [

{ *domain attributes* },

{ *domain attributes* },

...

]

domain attributes

bind-type

Description 'inside': This interface is connected to NPTv6 inside networks; 'outside': This interface is connected to NPTv6 outside networks;

Type: string

Supported Values: inside, outside

domain-name

Description NPTv6 domain name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.63.152 interface ve oper

Operational Status for the object ve

ve Specification

Parameter	Value
Type	*Collection*
Collection Name	*ve-list*
Collection URI	/axapi/v3/interface/ve/{ifnum}
Element Name	ve
Element URI	/axapi/v3/interface/ve/{ifnum}/oper
Element Attributes	ve_attributes
Partition Visibility	None
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}

ve attributes

Create List

POST

/axapi/v3/interface/ve/{ifnum}

ve attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/oper

ve attributes

Get List

GET

/axapi/v3/interface/ve/{ifnum}

ve-list

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/oper

ve attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/oper

ve attributes

Replace List

PUT

/axapi/v3/interface/ve/{ifnum}

ve-list

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/oper

ve attributes

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

ifnum

Description Virtual ethernet interface number

Type: number

Range: 2-4094

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

icmp-rate-limit-current

Description

Type: number

icmp-rate-over-limit-drop

Description

Type: number

icmp6-rate-limit-current

Description

Type: number

icmp6-rate-over-limit-drop

Description

Type: number

igmp-query-sent

Description

Type: number

ip_unnumbered_enabled

Description

Type: number

ip_unnumbered_mac_learned

Description

Type: number

ip_unnumbered_oper

Description

Type: number

ip_unnumbered_peer_lla

Description

Type: string

Format: ipv6-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipv4_addr_count

Description

Type: number

ipv4_list

Type: List

ipv6-link-local

Description

Type: string

Format: ipv6-address

ipv6-link-local-prefix

Description

Type: string

ipv6-link-local-scope

Description

Type: string

ipv6-link-local-type

Description

Type: string

ipv6_addr_count

Description

Type: number

ipv6_list

Type: List

line_protocol

Description

Type: string

Supported Values: up, down

link_type

Description

Type: string

mac

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

mtu

Description

Type: number

state

Description

Type: string

Supported Values: up, disabled, down

user-trunk-id

Description

Type: number

oper_ipv4_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv4-address

mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

oper_ipv6_list

Specification	Value
Type	*list*
Block object keys	

addr

Description IP address

Type: string

Format: ipv6-address

is_anycast

Description

Type: number

prefix

Description IP subnet mask

Type: string

2.63.153 interface ve stats

Statistics for the object ve

ve Specification

Parameter	Value
Type	*Collection*
Collection Name	*ve-list*
Collection URI	/axapi/v3/interface/ve/{ifnum}
Element Name	ve
Element URI	/axapi/v3/interface/ve/{ifnum}/stats
Element Attributes	ve_attributes
Partition Visibility	None
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/interface/ve/{ifnum}

ve attributes

Create List

POST

/axapi/v3/interface/ve/{ifnum}

ve attributes

Get Object

GET

/axapi/v3/interface/ve/{ifnum}/stats

ve attributes

Get List

GET

/axapi/v3/interface/ve/{ifnum}

ve-list

Modify Object

POST

/axapi/v3/interface/ve/{ifnum}/stats

ve attributes

Replace Object

PUT

/axapi/v3/interface/ve/{ifnum}/stats

ve attributes

Replace List

PUT

/axapi/v3/interface/ve/{ifnum}

ve-list

Delete Object

DELETE

/axapi/v3/interface/ve/{ifnum}/stats

ve attributes

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

…

]

ve attributes

ifnum

Description Virtual ethernet interface number

Type: number

Range: 2-4094

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

load_interval

Description Load Interval

Type: number

Format: counter

num_broadcast_pkts

Description Received broadcasts

Type: number

Format: counter

num_broadcast_tx_pkts

Description Transmitted broadcasts

Type: number

Format: counter

num_multicast_pkts

Description Received multicasts

Type: number

Format: counter

num_multicast_tx_pkts

Description Transmitted multicasts

Type: number

Format: counter

num_pkts

Description Input packets

Type: number

Format: counter

num_total_bytes

Description Input bytes

Type: number

Format: counter

num_total_tx_bytes

Description Transmitted bytes

Type: number

Format: counter

num_tx_pkts

Description Transmitted packets

Type: number

Format: counter

num_unicast_pkts

Description Received unicasts

Type: number

Format: counter

num_unicast_tx_pkts

Description Transmitted unicasts

Type: number

Format: counter

rate_byte_rcvd

Description Byte received rate bits/sec

Type: number

Format: counter

rate_byte_sent

Description Byte sent rate bits/sec

Type: number

Format: counter

rate_pkt_rcvd

Description Packet received rate packets/sec

Type: number

Format: counter

rate_pkt_sent

Description Packet sent rate packets/sec

Type: number

Format: counter

2.64 ip

Objects:

2.64.1 ip

Global IP configuration subcommands

ip Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ip
Element URI	/axapi/v3/ip
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip

ip_attributes

ip attributes

access-list-list

Type: List

Reference Object: */axapi/v3/ip/access-list/{name}*

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

Reference Object: */axapi/v3/ip/address*

anomaly-drop

Description: anomaly-drop is a **JSON Block**. Please see below for *anomaly-drop*

Type: Object

Reference Object: */axapi/v3/ip/anomaly-drop*

app-protocol-port

Description: app-protocol-port is a **JSON Block**. Please see below for *app-protocol-port*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port*

as-path-list

Type: List

Reference Object: */axapi/v3/ip/as-path/{access-list}+{action}+{value}*

community-list

Description: community-list is a **JSON Block**. Please see below for *community-list*

Type: Object

Reference Object: */axapi/v3/ip/community-list*

default-gateway

Description: default-gateway is a **JSON Block**. Please see below for *default-gateway*

Type: Object

Reference Object: */axapi/v3/ip/default-gateway*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Reference Object: */axapi/v3/ip/dns*

extcommunity-list

Description: extcommunity-list is a **JSON Block**. Please see below for *extcommunity-list*

Type: Object

Reference Object: */axapi/v3/ip/extcommunity-list*

fib

Description: fib is a **JSON Block**. Please see below for *fib*

Type: Object

Reference Object: */axapi/v3/ip/fib*

fib-summary

Description: fib-summary is a **JSON Block**. Please see below for *fib-summary*

Type: Object

Reference Object: */axapi/v3/ip/fib-summary*

frag

Description: frag is a **JSON Block**. Please see below for *frag*

Type: Object

Reference Object: */axapi/v3/ip/frag*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Reference Object: */axapi/v3/ip/icmp*

large-community-list

Description: large-community-list is a **JSON Block**. Please see below for *large-community-list*

Type: Object

Reference Object: */axapi/v3/ip/large-community-list*

map-list-list

Type: List

Reference Object: */axapi/v3/ip/map-list/{name}*

mgmt-traffic-list

Type: List

Reference Object: */axapi/v3/ip/mgmt-traffic/{traffic-type}*

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

Reference Object: */axapi/v3/ip/nat*

nat-global

Description: nat-global is a **JSON Block**. Please see below for *nat-global*

Type: Object

Reference Object: */axapi/v3/ip/nat-global*

prefix-list-list

Type: List

Reference Object: */axapi/v3/ip/prefix-list/{name}*

reroute

Description: reroute is a **JSON Block**. Please see below for *reroute*

Type: Object

Reference Object: */axapi/v3/ip/reroute*

rib

Description: rib is a **JSON Block**. Please see below for *rib*

Type: Object

Reference Object: */axapi/v3/ip/rib*

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

Reference Object: */axapi/v3/ip/route*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Reference Object: */axapi/v3/ip/tcp*

telemetry

Description: telemetry is a **JSON Block**. Please see below for *telemetry*

Type: Object

Reference Object: */axapi/v3/ip/telemetry*

unnumbered

Description: unnumbered is a **JSON Block**. Please see below for *unnumbered*

Type: Object

Reference Object: */axapi/v3/ip/unnumbered*

fib-summary

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	Value
Type	*object*

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *tcp_syn-cookie*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_syn-cookie

Specification	Value
Type	*object*

sack-enable

Description Enable HW Syn-Cookie SACK support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description SYN cookie expire threshold (seconds (default is 4))

Type: number

Range: 1-100

Default: 4

mgmt-traffic-list

Specification	Value
Type	*list*
Block object keys	

source-interface

Description: source-interface is a **JSON Block**. Please see below for *mgmt-traffic-list_source-interface*

Type: Object

traffic-type

Description 'all': All; 'ftp': FTP; 'ntp': NTP; 'snmp-trap': SNMP Trap; 'ssh': SSH and SCP; 'syslog': SYSLOG; 'telnet': Telnet; 'tftp': TFTP; 'web': Web - HTTP and HTTPS;

Type: string

Supported Values: all, ftp, ntp, snmp-trap, ssh, syslog, telnet, tftp, web

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mgmt-traffic-list_source-interface

Specification	Value
Type	*object*

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

app-protocol-port

Specification	Value
Type	*object*

monitor

Description: monitor is a **JSON Block**. Please see below for *app-protocol-port_monitor*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/monitor*

tcp

Description: tcp is a **JSON Block**. Please see below for *app-protocol-port_tcp*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *app-protocol-port_udp*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp*

app-protocol-port_udp

Specification	Value
Type	*object*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *app-protocol-port_udp_passthrough*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *app-protocol-port_udp_port*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port*

app-protocol-port_udp_passthrough

Specification	Value
Type	*object*

disable

Description Disable global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_udp_port

Specification	Value
Type	*object*

add-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}*

disable-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}*

app-protocol-port_udp_port_add-list

Specification	Value
Type	*list*
Block object keys	

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_udp_port_add-list_app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-protocol-port_udp_port_add-list_app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_udp_port_add-list_app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-protocol-port_udp_port_add-list_app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-protocol-port_udp_port_add-list_app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

app-protocol-port_udp_port_disable-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-protocol-port_udp_port_disable-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_udp_port_disable-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-protocol-port_udp_port_disable-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-protocol-port_udp_port_disable-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

app-protocol-port_monitor

Specification	Value
Type	*object*

disable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp

Specification	Value
Type	*object*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *app-protocol-port_tcp_passthrough*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *app-protocol-port_tcp_port*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port*

app-protocol-port_tcp_passthrough

Specification	Value
Type	*object*

disable

Description Disable passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp_port

Specification	Value
Type	*object*

add-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}*

disable-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}*

app-protocol-port_tcp_port_add-list

Specification	Value
Type	*list*
Block object keys	

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp_port_add-list_app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-protocol-port_tcp_port_add-list_app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp_port_add-list_app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-protocol-port_tcp_port_add-list_app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-protocol-port_tcp_port_add-list_app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

app-protocol-port_tcp_port_disable-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-protocol-port_tcp_port_disable-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-protocol-port_tcp_port_disable-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-protocol-port_tcp_port_disable-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-protocol-port_tcp_port_disable-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

rib

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list

Specification	Value
Type	*object*

expanded-list

Type: List

Reference Object: */axapi/v3/ip/extcommunity-list/expanded/{expanded}*

expanded-num-list

Type: List

Reference Object: */axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Reference Object: */axapi/v3/ip/extcommunity-list/standard/{standard}*

standard-num-list

Type: List

Reference Object: */axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}*

extcommunity-list_expanded-num-list

Specification	Value
Type	*list*
Block object keys	

ext-list-num

Description Extended Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list_expanded-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

extcommunity-list_expanded-list

Specification	Value
Type	*list*
Block object keys	

expanded

Description Add an expanded extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list_expanded-list_rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

extcommunity-list_standard-num-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Extended Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list_standard-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

extcommunity-list_standard-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity-list_standard-list_rules-list

Specification	Value
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

icmp

Specification	Value
Type	*object*

redirect

Description Disable outbound ICMP redirect messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unreachable

Description Disable outbound ICMP unreachable messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

anomaly-drop

Specification	Value
Type	*object*

bad-content

Description bad content threshold (threshold value)

Type: number

Range: 1-127

drop-all

Description drop all IP anomaly packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frag

Description drop all fragmented packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-option

Description drop packets with IP options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ext-header

Description: ipv6-ext-header is a **JSON Block**. Please see below for *anomaly-drop_ipv6-ext-header*

Type: Object

land-attack

Description drop IP packets with the same source and destination addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-sequence

Description out of sequence packet threshold (threshold value)

Type: number

Range: 1-127

packet-deformity

Description: packet-deformity is a **JSON Block**. Please see below for *anomaly-drop_packet-deformity*

Type: Object

ping-of-death

Description drop oversize ICMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

security-attack

Description: security-attack is a **JSON Block**. Please see below for *anomaly-drop_security-attack*

Type: Object

tcp-no-flag

Description drop TCP packets with no flag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-fin

Description drop TCP packets with both syn and fin flags set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description drop fragmented TCP packets with syn flag set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zero-window

Description zero window size threshold (threshold value)

Type: number

Range: 1-127

anomaly-drop_security-attack

Specification	Value
Type	*object*

security-attack-layer-3

Description drop packets with layer 3 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

security-attack-layer-4

Description drop packets with layer 4 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

anomaly-drop_packet-deformity

Specification	Value
Type	*object*

packet-deformity-layer-3

Description drop packets with layer 3 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-deformity-layer-4

Description drop packets with layer 4 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

anomaly-drop_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'land': Land Attack Drop; 'emp_frg': Empty Fragment Drop; 'emp_mic_frg': Micro Fragment Drop; 'opt': IPv4 Options Drop; 'frg': IPv4 Fragment Drop; 'bad_ip_hdrlen': Bad IP Header Len Drop; 'bad_ip_flg': Bad IP Flags Drop; 'bad_ip_ttl': Bad IP TTL Drop; 'no_ip_payload': No IP Payload drop; 'over_ip_payload': Oversize IP Payload Drop; 'bad_ip_payload_len': Bad IP Payload Len Drop; 'bad_ip_frg_offset': Bad IP Fragment Offset Drop; 'csum': Bad IP Checksum Drop; 'pod': ICMP Ping of Death Drop; 'bad_tcp_urg_offset': TCP Bad Urgent Offset Drop; 'tcp_sht_hdr': TCP Short Header Drop; 'tcp_bad_iplen': TCP Bad IP Length Drop; 'tcp_null_frg': TCP Null Flags Drop; 'tcp_null_scan': TCP Null Scan Drop; 'tcp_syn_fin': TCP Syn and Fin Drop; 'tcp_xmas': TCP XMAS Flags Drop; 'tcp_xmas_scan': TCP XMAS Scan Drop; 'tcp_syn_frg': TCP Syn Fragment Drop; 'tcp_frg_hdr': TCP Fragmented Header Drop; 'tcp_bad_csum': TCP Bad Checksum Drop; 'udp_srt_hdr': UDP Short Header Drop; 'udp_bad_len': UDP Bad Length Drop; 'udp_kerb_frg': UDP Kerberos Fragment Drop; 'udp_port_lb': UDP Port Loopback Drop; 'udp_bad_csum': UDP Bad Checksum Drop; 'runt_ip_hdr': Runt IP Header Drop;

'runt_tcp_udp_hdr': Runt TCP/UDP Header Drop; 'ipip_tnl_msmtch': IP-over-IP Tunnel Mismatch Drop; 'tcp_opt_err': TCP Option Error Drop; 'ipip_tnl_err': IP-over-IP Tunnel Error Drop; 'vxlan_err': VXLAN Tunnel Error Drop; 'nvgre_err': GRE Tunnel Error Drop; 'gre_pptp_err': GRE PPTP Error Drop;

Type: string

Supported Values: all, land, emp_frg, emp_mic_frg, opt, frg, bad_ip_hdrlen, bad_ip_flg, bad_ip_ttl, no_ip_payload, over_ip_payload, bad_ip_payload_len, bad_ip_frg_offset, csum, pod, bad_tcp_urg_offset, tcp_sht_hdr, tcp_bad_iplen, tcp_null_frg, tcp_null_scan, tcp_syn_fin, tcp_xmas, tcp_xmas_scan, tcp_syn_frg, tcp_frg_hdr, tcp_bad_csum, udp_srt_hdr, udp_bad_len, udp_kerb_frg, udp_port_lb, udp_bad_csum, runt_ip_hdr, runt_tcp_udp_hdr, ipip_tnl_msmtch, tcp_opt_err, ipip_tnl_err, vxlan_err, nvgre_err, gre_pptp_err, ipv6_eh_hbh, ipv6_eh_dest, ipv6_eh_routing, ipv6_eh_frag, ipv6_eh_ah, ipv6_eh_esp, ipv6_eh_mobility, ipv6_eh_none, ipv6_eh_other, ipv6_eh_malformed

anomaly-drop_ipv6-ext-header

Specification	Value
Type	*object*

dst-option-list

Type: List

hbh-option-list

Type: List

ipv6-eh-auth

Description Filter authentication extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-dest

Description Filter destination extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-esp

Description Filter ESP extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-frag

Description Filter fragmentation extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-hbh

Description Filter hop by hop extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-malformed

Description Filter malformed extension headers (check for order and occurrences)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-mobility

Description Filter mobility extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-nonext

Description Filter no-next-header extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-routing

Description Filter routing extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

routing-option-list

Type: List

unknown-ext-header-list

Type: List

anomaly-drop_ipv6-ext-header_routing-option-list

Specification	Value
Type	*list*
Block object keys	

routing-otype-from

Description Filter routing header option type (Option type value)

Type: number

routing-otype-to

Description Option type range end

Type: number

anomaly-drop_ipv6-ext-header_dst-option-list

Specification	Value
Type	*list*
Block object keys	

dst-otype-from

Description Filter destination header option type (Option type value)

Type: number

dst-otype-to

Description Option type range end

Type: number

anomaly-drop_ipv6-ext-header_hbh-option-list

Specification	Value
Type	*list*
Block object keys	

hbh-otype-from

Description Filter hop by hop option type (Option type value)

Type: number

hbh-otype-to

Description Option type range end

Type: number

anomaly-drop_ipv6-ext-header_unknown-ext-header-list

Specification	Value
Type	*list*
Block object keys	

eh-type-from

Description Filter unknown extension header (eh) type (Extension header type value)

Type: number

eh-type-to

Description Extension header type range end

Type: number

telemetry

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list

Specification	Value
Type	*object*

expanded-list

Type: List

Reference Object: */axapi/v3/ip/community-list/expanded/{expanded}*

expanded-num-list

Type: List

Reference Object: */axapi/v3/ip/community-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Reference Object: */axapi/v3/ip/community-list/standard/{standard}*

standard-num-list

Type: List

Reference Object: */axapi/v3/ip/community-list/standard-num/{std-list-num}*

community-list_expanded-num-list

Specification	Value
Type	*list*
Block object keys	

ext-list-num

Description Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list_expanded-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

community-list_expanded-list

Specification	Value
Type	*list*
Block object keys	

expanded

Description Add an expanded community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list_expanded-list_rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

community-list_standard-num-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list_standard-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

community-list_standard-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community-list_standard-list_rules-list

Specification	Value
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

fib

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

default-gateway

Specification	Value
Type	*object*

gateway-ip

Description Default gateway address

Type: string

Format: ipv4-address

Reference Object: */axapi/v3/ip/address*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat

Specification	Value
Type	*object*

alg

Description: alg is a **JSON Block**. Please see below for *nat_alg*

Type: Object

Reference Object: */axapi/v3/ip/nat/alg*

icmp

Description: icmp is a **JSON Block**. Please see below for *nat_icmp*

Type: Object

Reference Object: */axapi/v3/ip/nat/icmp*

inside

Description: inside is a **JSON Block**. Please see below for *nat_inside*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside*

nat-global

Description: nat-global is a **JSON Block**. Please see below for *nat_nat-global*

Type: Object

Reference Object: */axapi/v3/ip/nat/nat-global*

pool-group-list

Type: List

Reference Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Reference Object: */axapi/v3/ip/nat/pool/{pool-name}*

range-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/range-list/{name}*

template

Description: template is a **JSON Block**. Please see below for *nat_template*

Type: Object

Reference Object: */axapi/v3/ip/nat/template*

translation

Description: translation is a **JSON Block**. Please see below for *nat_translation*

Type: Object

Reference Object: */axapi/v3/ip/nat/translation*

nat_range-list-list

Specification	Value
Type	*list*
Block object keys	

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

global-start-ipv6-addr

Description Global Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ipv6-addr

Description Local Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

name

Description Name for this Static List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-acl-id

Description Access list ID

Type: number

Range: 1-199

v4-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

v6-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v6-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v6-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

nat_alg

Specification	Value
Type	*object*

dns

Description: dns is a **JSON Block**. Please see below for *nat_alg_dns*

Type: Object

Reference Object: */axapi/v3/ip/nat/alg/dns*

pptp

Description: pptp is a **JSON Block**. Please see below for *nat_alg_pptp*

Type: Object

Reference Object: */axapi/v3/ip/nat/alg/pptp*

nat_alg_pptp

Specification	Value
Type	*object*

pptp

Description 'disable': Disable PPTP NAT ALG; 'enable': Enable PPTP NAT ALG;

Type: string

Supported Values: disable, enable

Default: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_alg_pptp_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current-smp-sessions': some help string; 'current-gre-sessions': some help string; 'smp-session-creation-failure': some help string; 'truncated-pns-message': some help string; 'truncated-pac-message': some help string; 'mismatched-pns-call-id': some help string; 'mismatched-pac-call-id': some help string; 'retransmitted-pns-message': some help string; 'retransmitted-pac-message': some help string; 'truncated-gre-packet': some help string; 'unknown-gre-version': some help string; 'no-matching-gre-session': some help string;

Type: string

Supported Values: all, current-smp-sessions, current-gre-sessions, smp-session-creation-failure, truncated-pns-message, truncated-pac-message, mismatched-pns-call-id, mismatched-pac-call-id, retransmitted-pns-message, retransmitted-pac-message, truncated-gre-packet, unknown-gre-version, no-matching-gre-session

nat_alg_dns

Specification	Value
Type	*object*

dns-alg

Description 'disable': Disable DNS NAT ALG; 'enable': Enable DNS NAT ALG;

Type: string

Supported Values: disable, enable

Default: enable

query-id-switch

Description Use DNS query ID to create session (UDP session only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_pool-group-list

Specification	Value
Type	*list*
Block object keys	

member-list

Type: List

Reference Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

nat_pool-group-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Failed': some-help-string;

Type: string

Supported Values: all, Failed

nat_pool-group-list_member-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_nat-global

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_nat-global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cross_cpu_helper_created': Cross CPU Helper Created; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper Standby; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found;

Type: string

Supported Values: all, cross_cpu_helper_created, cross_cpu_helper_free, cross_cpu_sent, cross_cpu_rcv, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_cpu_mismatch, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_deleted, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found

nat_template

Specification	Value
Type	*object*

logging-list

Type: List

Reference Object: */axapi/v3/ip/nat/template/logging/{name}*

nat_template_logging-list

Specification	Value
Type	*list*
Block object keys	

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron':

9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-rip-rport

Description Include the IP and port of real server in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *nat_template_logging-list_log*

Type: Object

name

Description NAT logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

severity

Description: severity is a **JSON Block**. Please see below for *nat_template_logging-list_severity*

Type: Object

source-port

Description: source-port is a **JSON Block**. Please see below for *nat_template_logging-list_source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_template_logging-list_severity

Specification	Value
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

nat_template_logging-list_log

Specification	Value
Type	*object*

port-mappings

Description 'creation': Log creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable

nat_template_logging-list_source-port

Specification	Value
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

nat_translation

Specification	Value
Type	*object*

icmp-timeout

Description: icmp-timeout is a **JSON Block**. Please see below for *nat_translation_icmp-timeout*

Type: Object

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-timeout-list

Type: List

Reference Object: */axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}*

tcp-timeout

Description TCP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

udp-timeout

Description UDP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_translation_service-timeout-list

Specification	Value
Type	*list*
Block object keys	

port

Description Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-type

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_translation_icmp-timeout

Specification	Value
Type	*object*

icmp-timeout

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

Default: fast

icmp-timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

nat_icmp

Specification	Value
Type	*object*

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside

Specification	Value
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *nat_inside_source*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source*

nat_inside_source

Specification	Value
Type	*object*

class-list

Description: class-list is a **JSON Block**. Please see below for *nat_inside_source_class-list*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source/class-list*

list

Description: list is a **JSON Block**. Please see below for *nat_inside_source_list*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source/list*

static-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}*

nat_inside_source_static-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

nat_inside_source_list

Specification	Value
Type	*object*

acl-id-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

nat_inside_source_list_acl-id-list-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside_source_list_acl-name-list-list

Specification	Value
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside_source_class-list

Specification	Value
Type	*object*

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_pool-list

Specification	Value
Type	*list*
Block object keys	

chunk-sharing

Description Share NAT pool chunk across CPUs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface

Type: number

Format: interface

gateway

Description Configure gateway IP

Type: string

Format: ipv4-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

Mutual Exclusion: start-address and use-if-ip are mutually exclusive

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip and start-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

prefix-list-list

Specification	Value
Type	*list*
Block object keys	

name

Description Name of a prefix list

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-list-list_rules

Specification	Value
Type	*list*
Block object keys	

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

any

Description Any prefix match. Same as "0.0.0.0/0 le 32"

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Prefix-list specific description (Up to 80 characters describing this prefix-list)

Type: string

Maximum Length: 80 characters

Maximum Length: 1 characters

ge

Description Minimum prefix length to be matched

Type: number

Range: 0-32

ipaddr

Description IP prefix, e.g., 35.0.0.0/8

Type: string

Format: ipv4-cidr

le

Description Maximum prefix length to be matched

Type: number

Range: 0-32

seq

Description Sequence number of an entry

Type: number

Range: 1-4294967295

frag

Specification	Value
Type	*object*

buff

Description Max buff used for fragmentation (Buffer Value(10000-3000000))

Type: number

Range: 10000-3000000

cpu-threshold

Description: cpu-threshold is a **JSON Block**. Please see below for *frag_cpu-threshold*

Type: Object

max-packets-per-reassembly

Description Max number of fragmented packets allowed per reassembly(0 is unlimited) (default 0)

Type: number

Range: 2-16

max-reassembly-sessions

Description Max number of pending reassembly sessions allowed (default 100000)

Type: number

Range: 1-200000

sampling-enable

Type: List

timeout

Description Fragmentation timeout (in milliseconds 4 - 65535 (default is 60000))

Type: number

Range: 4-65535

Default: 60000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

frag_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped; 'first-gtp-packet-too-small': First GTP Fragment Too Small Drop;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

frag_cpu-threshold

Specification	Value
Type	*object*

high

Description When CPU usage reaches this value, it will stop processing fragments (default: 75%)

Type: number

Range: 0-100

Default: 75

low

Description When CPU usage remains under this value, it will resume processing fragments (default: 60%)

Type: number

Range: 0-100

Default: 60

dns

Specification	Value
Type	*object*

primary

Description: primary is a **JSON Block**. Please see below for *dns_primary*

Type: Object

Reference Object: */axapi/v3/ip/dns/primary*

secondary

Description: secondary is a **JSON Block**. Please see below for *dns_secondary*

Type: Object

Reference Object: */axapi/v3/ip/dns/secondary*

suffix

Description: suffix is a **JSON Block**. Please see below for *dns_suffix*

Type: Object

Reference Object: */axapi/v3/ip/dns/suffix*

dns_suffix

Specification	Value
Type	*object*

domain-name

Description DNS suffix

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_primary

Specification	Value
Type	*object*

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_secondary

Specification	Value
Type	*object*

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-community-list

Specification	Value
Type	*object*

expanded-list

Type: List

Reference Object: */axapi/v3/ip/large-community-list/expanded/{expanded}*

expanded-num-list

Type: List

Reference Object: */axapi/v3/ip/large-community-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Reference Object: */axapi/v3/ip/large-community-list/standard/{standard}*

standard-num-list

Type: List

Reference Object: */axapi/v3/ip/large-community-list/standard-num/{std-list-num}*

large-community-list_expanded-num-list

Specification	Value
Type	*list*
Block object keys	

ext-list-num

Description Large community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-community-list_expanded-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

ext-list-lcom-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

large-community-list_expanded-list

Specification	Value
Type	*list*
Block object keys	

expanded

Description Add an expanded large community-list entry (Large community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-community-list_expanded-list_rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

expanded-lcom-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

large-community-list_standard-num-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Large Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-community-list_standard-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

std-list-lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

large-community-list_standard-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard large community-list entry (Large community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

large-community-list_standard-list_rules-list

Specification	Value
Type	*list*
Block object keys	

standard-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

standard-lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

access-list-list

Specification	Value
Type	*list*
Block object keys	

name

Description IP Access List Name. Does not support name as digits or start with digit.

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

rules

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list-list_rules

Specification	Value
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code, icmp-code, and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type, icmp-type, and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-any,dst-host, dst-subnet, and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eq,dst-gt, dst-lt, and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gt,dst-eq, dst-lt, and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: dst-host,dst-any, dst-subnet, and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-lt,dst-eq, dst-gt, and dst-range are mutually exclusive

dst-mask

Description Destination Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

dst-object-group

Description Destination network object group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-group,dst-any, dst-host, and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-range,dst-eq, dst-gt, and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv4-address

Mutual Exclusion: dst-subnet,dst-any, dst-host, and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description Specify geo-location name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmp,tcp, udp, ip, and service-obj-group are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code, any-code, and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type, any-type, and special-type are mutually exclusive

ip

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ip,icmp, tcp, udp, and service-obj-group are mutually exclusive

remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-num

Description Sequence Number

Type: number

Range: 1-8192

service-obj-group

Description Service object group (Source object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-group,icmp, tcp, udp, and ip are mutually exclusive

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code, any-code, and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type, icmp-type, and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-any,src-host, src-subnet, and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eq,src-gt, src-lt, and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gt,src-eq, src-lt, and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: src-host,src-any, src-subnet, and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-lt,src-eq, src-gt, and src-range are mutually exclusive

src-mask

Description Source Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

src-object-group

Description Network object group (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-group,src-any, src-host, and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-range,src-eq, src-gt, and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv4-address

Mutual Exclusion: src-subnet,src-any, src-host, and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcp,icmp, udp, ip, and service-obj-group are mutually exclusive

transparent-session-only

Description Only log transparent sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udp,icmp, tcp, ip, and service-obj-group are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

map-list-list

Specification	Value
Type	*list*
Block object keys	

file

Description Create/Edit a IP Map List stored as a file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mapping-list

Type: List

name

Description Specify name of the IP Map List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map-list-list_mapping-list

Specification	Value
Type	*list*
Block object keys	

count

Description Number of addresses to be translated in this range

Type: number

Range: 1-16777216

global-start-ip

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ip

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

address

Specification	Value
Type	*object*

ip-addr

Description IP address

Type: string

Format: ipv4-address

ip-mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unnumbered

Specification	Value
Type	*object*

use-source-ip

Description: use-source-ip is a **JSON Block**. Please see below for *unnumbered_use-source-ip*

Type: Object

Reference Object: */axapi/v3/ip/unnumbered/use-source-ip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unnumbered_use-source-ip

Specification	Value
Type	*object*

update-source-ip

Description IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

as-path-list

Specification	Value
Type	*list*
Block object keys	

access-list

Description Specify an access list name (Regular expression access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description A regular-expression to match the BGP AS paths

Type: string

Format: string-rlx

route

Specification	Value
Type	*object*

rib-list

Type: List

Reference Object: */axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}*

source

Description: source is a **JSON Block**. Please see below for *route_source*

Type: Object

Reference Object: */axapi/v3/ip/route/source*

static

Description: static is a **JSON Block**. Please see below for *route_static*

Type: Object

Reference Object: */axapi/v3/ip/route/static*

route_rib-list

Specification	Value
Type	*list*
Block object keys	

ip-dest-addr

Description Destination prefix

Type: string

Format: ipv4-address

ip-mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask-brief

ip-nexthop-ipv4

Type: List

ip-nexthop-lif

Type: List

ip-nexthop-partition

Type: List

ip-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_rib-list_ip-nexthop-lif

Specification	Value
Type	*list*
Block object keys	

description-nexthop-lif

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lif

Description LIF Interface (Logical tunnel interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

route_rib-list_ip-nexthop-ipv4

Specification	Value
Type	*list*
Block object keys	

description-nexthop-ip

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-ip

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop

Description Forwarding router's address

Type: string

Format: ipv4-address

route_rib-list_ip-nexthop-tunnel

Specification	Value
Type	*list*
Block object keys	

description-nexthop-tunnel

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop-tunnel

Description Forwarding router's address

Type: string

Format: ipv4-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

route_rib-list_ip-nexthop-partition

Specification	Value
Type	*list*
Block object keys	

description-nexthop-partition

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

description-partition-vrid

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition-name

Description Name of network partition

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

vrid-num-in-partition

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

route_source

Specification	Value
Type	*object*

lif-list

Type: List

Reference Object: */axapi/v3/ip/route/source/lif/{ifname}+{nexthop-ip}*

ve-list

Type: List

Reference Object: */axapi/v3/ip/route/source/ve/{ve-num}+{nexthop-ip}*

route_source_lif-list

Specification	Value
Type	*list*
Block object keys	

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_source_ve-list

Specification	Value
Type	*list*
Block object keys	

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description

Type: number

Range: 1-4094

route_static

Specification	Value
Type	*object*

bfd-list

Type: List

Reference Object: */axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}*

route_static_bfd-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ip

Description Local IP address

Type: string

Format: ipv4-address

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-global

Specification	Value
Type	*object*

reset-idle-tcp-conn

Description Reset Idle TCP Connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reroute

Specification	Value
Type	*object*

suppress-protocols

Description: suppress-protocols is a **JSON Block**. Please see below for *reroute_suppress-protocols*

Type: Object

Reference Object: */axapi/v3/ip/reroute/suppress-protocols*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reroute_suppress-protocols

Specification	Value
Type	*object*

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.2 ip access-list

Configure Access List

access-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*access-list-list*
Collection URI	/axapi/v3/ip/access-list
Element Name	access-list
Element URI	/axapi/v3/ip/access-list/{name}
Element Attributes	access-list_attributes
Partition Visibility	shared
Schema	`access-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/access-list

access-list attributes

Create List

POST

/axapi/v3/ip/access-list

access-list attributes

Get Object

GET

/axapi/v3/ip/access-list/{name}

access-list attributes

Get List

GET

/axapi/v3/ip/access-list

access-list-list

Modify Object

POST

/axapi/v3/ip/access-list/{name}

access-list attributes

Replace Object

PUT

/axapi/v3/ip/access-list/{name}

access-list attributes

Replace List

PUT

/axapi/v3/ip/access-list

access-list-list

Delete Object

DELETE

/axapi/v3/ip/access-list/{name}

access-list attributes

access-list-list

access-list-list is **JSON List** of *access-list attributes*

```
access-list-list : [
        { access-list attributes },
        { access-list attributes },
        ...
    ]
```

access-list attributes

name

Description IP Access List Name. Does not support name as digits or start with digit.

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

rules

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	Value
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code, icmp-code, and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type, icmp-type, and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-any,dst-host, dst-subnet, and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eq,dst-gt, dst-lt, and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gt,dst-eq, dst-lt, and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: dst-host,dst-any, dst-subnet, and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-lt,dst-eq, dst-gt, and dst-range are mutually exclusive

dst-mask

Description Destination Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

dst-object-group

Description Destination network object group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-group,dst-any, dst-host, and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-range,dst-eq, dst-gt, and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv4-address

Mutual Exclusion: dst-subnet,dst-any, dst-host, and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description Specify geo-location name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmp,tcp, udp, ip, and service-obj-group are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code, any-code, and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type, any-type, and special-type are mutually exclusive

ip

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ip,icmp, tcp, udp, and service-obj-group are mutually exclusive

remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-num

Description Sequence Number

Type: number

Range: 1-8192

service-obj-group

Description Service object group (Source object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-group,icmp, tcp, udp, and ip are mutually exclusive

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code, any-code, and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type, icmp-type, and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-any,src-host, src-subnet, and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eq,src-gt, src-lt, and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gt,src-eq, src-lt, and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv4-address

Mutual Exclusion: src-host,src-any, src-subnet, and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-lt,src-eq, src-gt, and src-range are mutually exclusive

src-mask

Description Source Mask 0=apply 255=ignore

Type: string

Format: ipv4-rev-netmask

src-object-group

Description Network object group (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-group,src-any, src-host, and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-range,src-eq, src-gt, and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv4-address

Mutual Exclusion: src-subnet,src-any, src-host, and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcp,icmp, udp, ip, and service-obj-group are mutually exclusive

transparent-session-only

Description Only log transparent sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udp,icmp, tcp, ip, and service-obj-group are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

2.64.3 ip address

Transparent mode IP Address

address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	address
Element URI	/axapi/v3/ip/address
Element Attributes	address_attributes
Partition Visibility	shared
Schema	`address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/address

address attributes

```
POST /axapi/v3/ip/address
Payload:
{
    "address": {
        "ip-addr": "3.3.3.3",
        "ip-mask": "255.255.0.0"
    }
}
```

Get Object

GET

/axapi/v3/ip/address

address attributes

```
GET /axapi/v3/ip/address
Reponse:
{
    "address": {
        "ip-addr": "3.3.3.3",
        "ip-mask": "255.255.0.0",
        "uuid": "e94ee8fa-b5bf-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/address"
    }
}
```

Modify Object

POST

/axapi/v3/ip/address

address attributes

Replace Object

PUT

/axapi/v3/ip/address

address attributes

```
PUT /axapi/v3/ip/address
Payload:
{
    "address": {
        "ip-addr": "3.3.3.3",
        "ip-mask": "255.255.0.0"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/address

address attributes

```
DELETE /axapi/v3/ip/address
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

address attributes

ip-addr

Description IP address

Type: string

Format: ipv4-address

ip-mask

Description IP subnet mask

Type: string

Format: ipv4-netmask

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.4 ip anomaly-drop

Set IP anomaly drop policy

anomaly-drop Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	anomaly-drop
Element URI	/axapi/v3/ip/anomaly-drop
Element Attributes	anomaly-drop_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ip/anomaly-drop/stats
Schema	`anomaly-drop schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

```
POST /axapi/v3/ip/anomaly-drop
Payload:
{
    "anomaly-drop": {
        "packet-deformity": {
            "packet-deformity-layer-3": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

```
GET /axapi/v3/ip/anomaly-drop
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "anomaly-drop": {
        "packet-deformity": {
            "packet-deformity-layer-3": 1,
            "packet-deformity-layer-4": 0
        },
        "security-attack": {
            "security-attack-layer-3": 0,
            "security-attack-layer-4": 0
        },
        "drop-all": 0,
        "frag": 0,
        "ip-option": 0,
        "land-attack": 0,
        "ping-of-death": 0,
        "tcp-no-flag": 0,
        "tcp-syn-fin": 0,
        "tcp-syn-frag": 0,
        "ipv6-ext-header": {
            "ipv6-eh-frag": 0,
            "ipv6-eh-auth": 0,
            "ipv6-eh-esp": 0,
            "ipv6-eh-mobility": 0,
            "ipv6-eh-nonext": 0,
            "ipv6-eh-malformed": 0,
            "ipv6-eh-hbh": 0,
            "ipv6-eh-dest": 0,
            "ipv6-eh-routing": 0
        },
        "uuid": "d0dcee7e-b5bb-11ef-ab13-ae71681635d0",
        "a10-url": "/axapi/v3/ip/anomaly-drop"
    }
}
```

Modify Object

POST

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

Replace Object

PUT

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

```
PUT /axapi/v3/ip/anomaly-drop
Payload:
{
    "anomaly-drop": {
        "packet-deformity": {
            "packet-deformity-layer-3": 0
```

(continues on next page)

(continued from previous page)

```
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/anomaly-drop

anomaly-drop attributes

```
DELETE /axapi/v3/ip/anomaly-drop
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

anomaly-drop attributes

bad-content

Description bad content threshold (threshold value)

Type: number

Range: 1-127

drop-all

Description drop all IP anomaly packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

frag

Description drop all fragmented packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-option

Description drop packets with IP options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ext-header

Description: ipv6-ext-header is a **JSON Block**. Please see below for *ipv6-ext-header*

Type: Object

land-attack

Description drop IP packets with the same source and destination addresses

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-sequence

Description out of sequence packet threshold (threshold value)

Type: number

Range: 1-127

packet-deformity

Description: packet-deformity is a **JSON Block**. Please see below for *packet-deformity*

Type: Object

ping-of-death

Description drop oversize ICMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

security-attack

Description: security-attack is a **JSON Block**. Please see below for *security-attack*

Type: Object

tcp-no-flag

Description drop TCP packets with no flag

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-fin

Description drop TCP packets with both syn and fin flags set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-syn-frag

Description drop fragmented TCP packets with syn flag set

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zero-window

Description zero window size threshold (threshold value)

Type: number

Range: 1-127

security-attack

Specification	Value
Type	*object*

security-attack-layer-3

Description drop packets with layer 3 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

security-attack-layer-4

Description drop packets with layer 4 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-deformity

Specification	Value
Type	*object*

packet-deformity-layer-3

Description drop packets with layer 3 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-deformity-layer-4

Description drop packets with layer 4 anomaly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'land': Land Attack Drop; 'emp_frg': Empty Fragment Drop; 'emp_mic_frg': Micro Fragment Drop; 'opt': IPv4 Options Drop; 'frg': IPv4 Fragment Drop; 'bad_ip_hdrlen': Bad IP Header Len Drop; 'bad_ip_flg': Bad IP Flags Drop; 'bad_ip_ttl': Bad IP TTL Drop; 'no_ip_payload': No IP Payload drop; 'over_ip_payload': Oversize IP Payload Drop; 'bad_ip_payload_len': Bad IP Payload Len Drop; 'bad_ip_frg_offset': Bad IP Fragment Offset Drop; 'csum': Bad IP Checksum Drop; 'pod': ICMP Ping of Death Drop; 'bad_tcp_urg_offset': TCP Bad Urgent Offset Drop; 'tcp_sht_hdr': TCP Short Header Drop; 'tcp_bad_iplen': TCP Bad IP Length Drop; 'tcp_null_frg': TCP Null Flags Drop; 'tcp_null_scan': TCP Null Scan Drop; 'tcp_syn_fin': TCP Syn and Fin Drop; 'tcp_xmas': TCP XMAS Flags Drop; 'tcp_xmas_scan': TCP XMAS Scan Drop; 'tcp_syn_frg': TCP Syn Fragment Drop; 'tcp_frg_hdr': TCP Fragmented Header Drop; 'tcp_bad_csum': TCP Bad Checksum Drop; 'udp_srt_hdr': UDP Short Header Drop; 'udp_bad_len': UDP Bad Length Drop; 'udp_kerb_frg': UDP Kerberos Fragment Drop; 'udp_port_lb': UDP Port Loopback Drop; 'udp_bad_csum': UDP Bad Checksum Drop; 'runt_ip_hdr': Runt IP Header Drop; 'runt_tcp_udp_hdr': Runt TCP/UDP Header Drop; 'ipip_tnl_msmtch': IP-over-IP Tunnel Mismatch Drop; 'tcp_opt_err': TCP Option Error Drop; 'ipip_tnl_err': IP-over-IP Tunnel Error Drop; 'vxlan_err': VXLAN Tunnel Error Drop; 'nvgre_err': GRE Tunnel Error Drop; 'gre_pptp_err': GRE PPTP Error Drop;

Type: string

Supported Values: all, land, emp_frg, emp_mic_frg, opt, frg, bad_ip_hdrlen, bad_ip_flg, bad_ip_ttl, no_ip_payload, over_ip_payload, bad_ip_payload_len, bad_ip_frg_offset, csum, pod, bad_tcp_urg_offset, tcp_sht_hdr, tcp_bad_iplen, tcp_null_frg, tcp_null_scan, tcp_syn_fin, tcp_xmas, tcp_xmas_scan, tcp_syn_frg, tcp_frg_hdr, tcp_bad_csum, udp_srt_hdr, udp_bad_len, udp_kerb_frg, udp_port_lb, udp_bad_csum, runt_ip_hdr, runt_tcp_udp_hdr, ipip_tnl_msmtch, tcp_opt_err, ipip_tnl_err, vxlan_err, nvgre_err, gre_pptp_err, ipv6_eh_hbh, ipv6_eh_dest, ipv6_eh_routing, ipv6_eh_frag, ipv6_eh_ah, ipv6_eh_esp, ipv6_eh_mobility, ipv6_eh_none, ipv6_eh_other, ipv6_eh_malformed

ipv6-ext-header

Specification	Value
Type	*object*

dst-option-list

Type: List

hbh-option-list

Type: List

ipv6-eh-auth

Description Filter authentication extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-dest

Description Filter destination extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-esp

Description Filter ESP extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-frag

Description Filter fragmentation extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-hbh

Description Filter hop by hop extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-malformed

Description Filter malformed extension headers (check for order and occurrences)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-mobility

Description Filter mobility extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-nonext

Description Filter no-next-header extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-eh-routing

Description Filter routing extension header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

routing-option-list

Type: List

unknown-ext-header-list

Type: List

ipv6-ext-header_routing-option-list

Specification	Value
Type	*list*
Block object keys	

routing-otype-from

Description Filter routing header option type (Option type value)

Type: number

routing-otype-to

Description Option type range end

Type: number

ipv6-ext-header_dst-option-list

Specification	Value
Type	*list*
Block object keys	

dst-otype-from

Description Filter destination header option type (Option type value)

Type: number

dst-otype-to

Description Option type range end

Type: number

ipv6-ext-header_hbh-option-list

Specification	Value
Type	*list*
Block object keys	

hbh-otype-from

Description Filter hop by hop option type (Option type value)

Type: number

hbh-otype-to

Description Option type range end

Type: number

ipv6-ext-header_unknown-ext-header-list

Specification	Value
Type	*list*
Block object keys	

eh-type-from

Description Filter unknown extension header (eh) type (Extension header type value)

Type: number

eh-type-to

Description Extension header type range end

Type: number

2.64.5 ip anomaly-drop stats

Statistics for the object anomaly-drop

anomaly-drop Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	anomaly-drop
Element URI	/axapi/v3/ip/anomaly-drop/stats
Element Attributes	anomaly-drop_attributes
Partition Visibility	None
Schema	`anomaly-drop schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/anomaly-drop/stats

anomaly-drop attributes

Get Object

GET

/axapi/v3/ip/anomaly-drop/stats

anomaly-drop attributes

Modify Object

POST

/axapi/v3/ip/anomaly-drop/stats

anomaly-drop attributes

Replace Object

PUT

/axapi/v3/ip/anomaly-drop/stats

anomaly-drop attributes

Delete Object

DELETE

/axapi/v3/ip/anomaly-drop/stats

anomaly-drop attributes

anomaly-drop attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad_ip_flg

Description Bad IP Flags Drop

Type: number

Format: counter

bad_ip_frg_offset

Description Bad IP Fragment Offset Drop

Type: number

Format: counter

bad_ip_hdrlen

Description Bad IP Header Len Drop

Type: number

Format: counter

bad_ip_payload_len

Description Bad IP Payload Len Drop

Type: number

Format: counter

bad_ip_ttl

Description Bad IP TTL Drop

Type: number

Format: counter

bad_tcp_urg_offset

Description TCP Bad Urgent Offset Drop

Type: number

Format: counter

csum

Description Bad IP Checksum Drop

Type: number

Format: counter

emp_frg

Description Empty Fragment Drop

Type: number

Format: counter

emp_mic_frg

Description Micro Fragment Drop

Type: number

Format: counter

frg

Description IPv4 Fragment Drop

Type: number

Format: counter

gre_pptp_err

Description GRE PPTP Error Drop

Type: number

Format: counter

ipip_tnl_err

Description IP-over-IP Tunnel Error Drop

Type: number

Format: counter

ipip_tnl_msmtch

Description IP-over-IP Tunnel Mismatch Drop

Type: number

Format: counter

ipv6_eh_ah

Description IPv6 Authentication Header Drop

Type: number

Format: counter

ipv6_eh_dest

Description IPv6 Destination Header Drop

Type: number

Format: counter

ipv6_eh_esp

Description IPv6 ESP Header Drop

Type: number

Format: counter

ipv6_eh_frag

Description IPv6 Fragmentation Header Drop

Type: number

Format: counter

ipv6_eh_hbh

Description IPv6 Hop by Hop Header Drop

Type: number

Format: counter

ipv6_eh_malformed

Description IPv6 Malformed Extension Header Drop

Type: number

Format: counter

ipv6_eh_mobility

Description IPv6 Mobility Header Drop

Type: number

Format: counter

ipv6_eh_none

Description IPv6 No Next Header Drop

Type: number

Format: counter

ipv6_eh_other

Description IPv6 Unknown Extension Header Drop

Type: number

Format: counter

ipv6_eh_routing

Description IPv6 Routing Header Drop

Type: number

Format: counter

land

Description Land Attack Drop

Type: number

Format: counter

no_ip_payload

Description No IP Payload drop

Type: number

Format: counter

nvgre_err

Description GRE Tunnel Error Drop

Type: number

Format: counter

opt

Description IPv4 Options Drop

Type: number

Format: counter

over_ip_payload

Description Oversize IP Payload Drop

Type: number

Format: counter

pod

Description ICMP Ping of Death Drop

Type: number

Format: counter

runt_ip_hdr

Description Runt IP Header Drop

Type: number

Format: counter

runt_tcp_udp_hdr

Description Runt TCP/UDP Header Drop

Type: number

Format: counter

tcp_bad_csum

Description TCP Bad Checksum Drop

Type: number

Format: counter

tcp_bad_iplen

Description TCP Bad IP Length Drop

Type: number

Format: counter

tcp_frg_hdr

Description TCP Fragmented Header Drop

Type: number

Format: counter

tcp_null_frg

Description TCP Null Flags Drop

Type: number

Format: counter

tcp_null_scan

Description TCP Null Scan Drop

Type: number

Format: counter

tcp_opt_err

Description TCP Option Error Drop

Type: number

Format: counter

tcp_sht_hdr

Description TCP Short Header Drop

Type: number

Format: counter

tcp_syn_fin

Description TCP Syn and Fin Drop

Type: number

Format: counter

tcp_syn_frg

Description TCP Syn Fragment Drop

Type: number

Format: counter

tcp_xmas

Description TCP XMAS Flags Drop

Type: number

Format: counter

tcp_xmas_scan

Description TCP XMAS Scan Drop

Type: number

Format: counter

udp_bad_csum

Description UDP Bad Checksum Drop

Type: number

Format: counter

udp_bad_len

Description UDP Bad Length Drop

Type: number

Format: counter

udp_kerb_frg

Description UDP Kerberos Fragment Drop

Type: number

Format: counter

udp_port_lb

Description UDP Port Loopback Drop

Type: number

Format: counter

udp_srt_hdr

Description UDP Short Header Drop

Type: number

Format: counter

vxlan_err

Description VXLAN Tunnel Error Drop

Type: number

Format: counter

2.64.6 ip app-protocol-port

Application protocol port filtering

app-protocol-port Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	app-protocol-port
Element URI	/axapi/v3/ip/app-protocol-port
Element Attributes	app-protocol-port_attributes
Partition Visibility	shared
Schema	`app-protocol-port schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port

app-protocol-port_attributes

app-protocol-port attributes

monitor

Description: monitor is a **JSON Block**. Please see below for *monitor*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/monitor*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp*

udp

Specification	Value
Type	*object*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *udp_passthrough*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *udp_port*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port*

udp_passthrough

Specification	Value
Type	*object*

disable

Description Disable global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port

Specification	Value
Type	*object*

add-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}*

disable-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}*

udp_port_add-list

Specification	Value
Type	*list*
Block object keys	

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port_add-list_app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *udp_port_add-list_app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port_add-list_app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

udp_port_add-list_app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

udp_port_add-list_app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

udp_port_disable-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *udp_port_disable-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_port_disable-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

udp_port_disable-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

udp_port_disable-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

monitor

Specification	Value
Type	*object*

disable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	Value
Type	*object*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *tcp_passthrough*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *tcp_port*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port*

tcp_passthrough

Specification	Value
Type	*object*

disable

Description Disable passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port

Specification	Value
Type	*object*

add-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}*

disable-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}*

tcp_port_add-list

Specification	Value
Type	*list*
Block object keys	

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port_add-list_app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *tcp_port_add-list_app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port_add-list_app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tcp_port_add-list_app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

tcp_port_add-list_app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

tcp_port_disable-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *tcp_port_disable-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_port_disable-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

tcp_port_disable-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

tcp_port_disable-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.7 ip app-protocol-port monitor

Monitors application ports

monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	monitor
Element URI	/axapi/v3/ip/app-protocol-port/monitor
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

```
POST /axapi/v3/ip/app-protocol-port/monitor
Payload:
{
    "monitor": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

```
GET /axapi/v3/ip/app-protocol-port/monitor
Reponse:
{
    "monitor": {
        "enable": 1,
        "disable": 0,
        "uuid": "ea82d186-b5c0-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/monitor"
    }
}
```

Modify Object

POST

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

```
PUT /axapi/v3/ip/app-protocol-port/monitor
Payload:
{
    "monitor": {
        "enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/monitor

monitor attributes

monitor attributes

disable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.8 ip app-protocol-port tcp

TCP Application Ports

tcp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	tcp
Element URI	/axapi/v3/ip/app-protocol-port/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp

tcp_attributes

tcp attributes

passthrough

Description: passthrough is a **JSON Block**. Please see below for *passthrough*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *port*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port*

passthrough

Specification	Value
Type	*object*

disable

Description Disable passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port

Specification	Value
Type	*object*

add-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}*

disable-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}*

port_add-list

Specification	Value
Type	*list*
Block object keys	

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_add-list_app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *port_add-list_app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_add-list_app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

port_add-list_app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

port_add-list_app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

port_disable-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *port_disable-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_disable-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

port_disable-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

port_disable-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.9 ip app-protocol-port tcp passthrough

Controls TCP ports filtering on all interfaces, Default mode is enabled

passthrough Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	passthrough
Element URI	/axapi/v3/ip/app-protocol-port/tcp/passthrough
Element Attributes	passthrough_attributes
Partition Visibility	shared
Schema	`passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

```
POST /axapi/v3/ip/app-protocol-port/tcp/passthrough
Payload:
{
    "passthrough": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

```
GET /axapi/v3/ip/app-protocol-port/tcp/passthrough
Reponse:
{
    "passthrough": {
        "enable": 1,
        "disable": 0,
        "uuid": "26b79146-b5c1-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/tcp/passthrough"
    }
}
```

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

```
PUT /axapi/v3/ip/app-protocol-port/tcp/passthrough
Payload:
{
    "passthrough": {
        "enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/passthrough

passthrough attributes

passthrough attributes

disable

Description Disable passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables passthrough mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.10 ip app-protocol-port tcp port

Application Ports

port Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	port
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port
Element Attributes	port_attributes
Partition Visibility	shared
Schema	`port schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port

port_attributes

port attributes

add-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}*

disable-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}*

add-list

Specification	Value
Type	*list*
Block object keys	

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-list_app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *add-list_app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-list_app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

add-list_app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

add-list_app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

disable-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *disable-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

disable-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

disable-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.11 ip app-protocol-port tcp port add

Add application port

add Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port*
Collection Name	*add-list*
Collection URI	/axapi/v3/ip/app-protocol-port/tcp/port/add
Element Name	add
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}
Element Attributes	add_attributes
Partition Visibility	shared
Schema	`add schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add

add attributes

```
POST /axapi/v3/ip/app-protocol-port/tcp/port/add/
Payload:
{
    "add": {
        "port": 0
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Create List

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add

add attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}

add attributes

```
GET /axapi/v3/ip/app-protocol-port/tcp/port/add/0
Reponse:
{
    "add": {
        "port": 0,
        "uuid": "61f9da5c-b5c1-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/tcp/port/add/0"
    }
}
```

Get List

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add

add-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}

add attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}

add attributes

```
PUT /axapi/v3/ip/app-protocol-port/tcp/port/add/0
Payload:
{
    "add": {
        "port": 0
    }
}
```

Replace List

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add

add-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}

add attributes

```
DELETE /axapi/v3/ip/app-protocol-port/tcp/port/add/0
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

add-list

add-list is **JSON List** of *add attributes*

add-list : [

{ *add attributes* },

{ *add attributes* },

...

]

add attributes

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.12 ip app-protocol-port tcp port add app-name

Application protocol name

app-name Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*app-name-list*
Collection URI	/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name
Element Name	app-name
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}
Element Attributes	app-name_attributes
Partition Visibility	shared
Schema	`app-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name

app-name attributes

Create List

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name

app-name attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}

app-name attributes

Get List

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name

app-name-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}

app-name attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}

app-name attributes

Replace List

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name

app-name-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}

app-name attributes

app-name-list

app-name-list is **JSON List** of *app-name attributes*

app-name-list : [

{ *app-name attributes* },

{ *app-name attributes* },

…

]

app-name attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.13 ip app-protocol-port tcp port add app-name interface

Bind a port to an interface

interface Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface
Element Attributes	interface_attributes
Partition Visibility	shared
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/add/{port}/app-name/{name}/interface

interface attributes

interface attributes

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.14 ip app-protocol-port tcp port disable

Disable application port

disable Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port*
Collection Name	*disable-list*
Collection URI	/axapi/v3/ip/app-protocol-port/tcp/port/disable
Element Name	disable
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}
Element Attributes	disable_attributes
Partition Visibility	shared
Schema	`disable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable

disable attributes

```
POST /axapi/v3/ip/app-protocol-port/tcp/port/disable/
Payload:
{
    "disable": {
        "port": 80
    }
}
```

Create List

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable

disable attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}

disable attributes

```
GET /axapi/v3/ip/app-protocol-port/tcp/port/disable/80
Reponse:
{
    "disable": {
        "port": 80,
        "uuid": "c5e69d2a-b5c1-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/tcp/port/disable/80"
    }
}
```

Get List

GET

/axapi/v3/ip/app-protocol-port/tcp/port/disable

disable-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}

disable attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}

disable attributes

```
PUT /axapi/v3/ip/app-protocol-port/tcp/port/disable/80
Payload:
{
    "disable": {
        "port": 80
    }
}
```

Replace List

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/disable

disable-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}

disable attributes

```
DELETE /axapi/v3/ip/app-protocol-port/tcp/port/disable/80
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

disable-list

disable-list is **JSON List** of *disable attributes*

disable-list : [

{ *disable attributes* },

{ *disable attributes* },

...

]

disable attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.15 ip app-protocol-port tcp port disable interface

Disable a port from an interface

interface Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface
Element Attributes	interface_attributes
Partition Visibility	shared
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

```
POST /axapi/v3/ip/app-protocol-port/tcp/port/disable/80/interface
Payload:
{
    "interface": {
        "management": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

```
GET /axapi/v3/ip/app-protocol-port/tcp/port/disable/80/interface
Reponse:
{
    "interface": {
        "management": 1,
        "uuid": "ea2dca8c-b5c1-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/tcp/port/disable/80/interface"
    }
}
```

Modify Object

POST

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

```
PUT /axapi/v3/ip/app-protocol-port/tcp/port/disable/80/interface
Payload:
{
    "interface": {
        "management": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/tcp/port/disable/{port}/interface

interface attributes

interface attributes

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.16 ip app-protocol-port udp

UDP application ports

udp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	udp
Element URI	/axapi/v3/ip/app-protocol-port/udp
Element Attributes	udp_attributes
Partition Visibility	shared
Schema	`udp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp

udp_attributes

udp attributes

passthrough

Description: passthrough is a **JSON Block**. Please see below for *passthrough*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/passthrough*

port

Description: port is a **JSON Block**. Please see below for *port*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port*

passthrough

Specification	Value
Type	*object*

disable

Description Disable global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port

Specification	Value
Type	*object*

add-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}*

disable-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}*

port_add-list

Specification	Value
Type	*list*
Block object keys	

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_add-list_app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *port_add-list_app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_add-list_app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

port_add-list_app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

port_add-list_app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

port_disable-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *port_disable-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port_disable-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

port_disable-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

port_disable-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.17 ip app-protocol-port udp passthrough

Controls UDP ports filtering on all interfaces, Default mode is enabled

passthrough Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	passthrough
Element URI	/axapi/v3/ip/app-protocol-port/udp/passthrough
Element Attributes	passthrough_attributes
Partition Visibility	shared
Schema	`passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

```
POST /axapi/v3/ip/app-protocol-port/udp/passthrough
Payload:
{
    "passthrough": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

```
GET /axapi/v3/ip/app-protocol-port/udp/passthrough
Reponse:
{
    "passthrough": {
        "enable": 1,
        "disable": 0,
        "uuid": "249a82dc-b5c2-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/udp/passthrough"
    }
}
```

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

```
PUT /axapi/v3/ip/app-protocol-port/udp/passthrough
Payload:
{
    "passthrough": {
        "enable": 0
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/passthrough

passthrough attributes

passthrough attributes

disable

Description Disable global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enables global port processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.18 ip app-protocol-port udp port

Application ports

port Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	port
Element URI	/axapi/v3/ip/app-protocol-port/udp/port
Element Attributes	port_attributes
Partition Visibility	shared
Schema	`port schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port

port_attributes

port attributes

add-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}*

disable-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}*

add-list

Specification	Value
Type	*list*
Block object keys	

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-list_app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *add-list_app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-list_app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

add-list_app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

add-list_app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

disable-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *disable-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

disable-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

disable-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.19 ip app-protocol-port udp port add

Add application port

add Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port*
Collection Name	*add-list*
Collection URI	/axapi/v3/ip/app-protocol-port/udp/port/add
Element Name	add
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/add/{port}
Element Attributes	add_attributes
Partition Visibility	shared
Schema	`add schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add

add attributes

```
POST /axapi/v3/ip/app-protocol-port/udp/port/add/
Payload:
{
    "add": {
        "port": 0
    }
}
```

Create List

POST

/axapi/v3/ip/app-protocol-port/udp/port/add

add attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}

add attributes

```
GET /axapi/v3/ip/app-protocol-port/udp/port/add/0
Reponse:
{
    "add": {
```

(continues on next page)

(continued from previous page)

```
        "port": 0,
        "uuid": "5dbeb61e-b5c2-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/udp/port/add/0"
    }
}
```

Get List

GET

/axapi/v3/ip/app-protocol-port/udp/port/add

add-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}

add attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}

add attributes

```
PUT /axapi/v3/ip/app-protocol-port/udp/port/add/0
Payload:
{
    "add": {
        "port": 0
    }
}
```

Replace List

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add

add-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}

add attributes

```
DELETE /axapi/v3/ip/app-protocol-port/udp/port/add/0
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

add-list

add-list is **JSON List** of *add attributes*

add-list : [

{ *add attributes* },

{ *add attributes* },

...

]

add attributes

app-name-list

Type: List

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-name-list

Specification	Value
Type	*list*
Block object keys	

interface

Description: interface is a **JSON Block**. Please see below for *app-name-list_interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-name-list_interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

app-name-list_interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

app-name-list_interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.20 ip app-protocol-port udp port add app-name

Application protocol name

app-name Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*app-name-list*
Collection URI	/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name
Element Name	app-name
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}
Element Attributes	app-name_attributes
Partition Visibility	shared
Schema	`app-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name

app-name attributes

Create List

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name

app-name attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}

app-name attributes

Get List

GET

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name

app-name-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}

app-name attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}

app-name attributes

Replace List

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name

app-name-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}

app-name attributes

app-name-list

app-name-list is **JSON List** of *app-name attributes*

app-name-list : [

{ *app-name attributes* },

{ *app-name attributes* },

...

]

app-name attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface*

name

Description Application Protocol Port Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.21 ip app-protocol-port udp port add app-name interface

Bind a port to an interface

interface Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface
Element Attributes	interface_attributes
Partition Visibility	shared
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/add/{port}/app-name/{name}/interface

interface attributes

interface attributes

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.22 ip app-protocol-port udp port disable

Disable application port

disable Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port*
Collection Name	*disable-list*
Collection URI	/axapi/v3/ip/app-protocol-port/udp/port/disable
Element Name	disable
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}
Element Attributes	disable_attributes
Partition Visibility	shared
Schema	`disable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable

disable attributes

```
POST /axapi/v3/ip/app-protocol-port/udp/port/disable/
Payload:
{
    "disable": {
        "port": 53
    }
}
```

Create List

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable

disable attributes

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}

disable attributes

```
GET /axapi/v3/ip/app-protocol-port/udp/port/disable/53
Reponse:
{
    "disable": {
        "port": 53,
        "uuid": "c54ec5da-b5c2-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/udp/port/disable/53"
    }
}
```

Get List

GET

/axapi/v3/ip/app-protocol-port/udp/port/disable

disable-list

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}

disable attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}

disable attributes

```
PUT /axapi/v3/ip/app-protocol-port/udp/port/disable/53
Payload:
{
    "disable": {
        "port": 53
    }
}
```

Replace List

PUT

/axapi/v3/ip/app-protocol-port/udp/port/disable

disable-list

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}

disable attributes

```
DELETE /axapi/v3/ip/app-protocol-port/udp/port/disable/53
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

disable-list

disable-list is **JSON List** of *disable attributes*

disable-list : [

{ *disable attributes* },

{ *disable attributes* },

...

]

disable attributes

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Reference Object: */axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface*

port

Description Port Number

Type: number

Range: 0-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	Value
Type	*object*

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.23 ip app-protocol-port udp port disable interface

Disable a port from an interface

interface Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface
Element Attributes	interface_attributes
Partition Visibility	shared
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

```
POST /axapi/v3/ip/app-protocol-port/udp/port/disable/53/interface
Payload:
{
    "interface": {
        "management": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

```
GET /axapi/v3/ip/app-protocol-port/udp/port/disable/53/interface
Reponse:
{
    "interface": {
        "management": 1,
        "uuid": "e846625a-b5c2-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/app-protocol-port/udp/port/disable/53/interface"
    }
}
```

Modify Object

POST

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

Replace Object

PUT

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

```
PUT /axapi/v3/ip/app-protocol-port/udp/port/disable/53/interface
Payload:
{
    "interface": {
        "management": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/app-protocol-port/udp/port/disable/{port}/interface

interface attributes

interface attributes

eth-cfg

Type: List

management

Description Management Interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE port

Type: number

ve-start

Description VE port (VE Interface number)

Type: number

eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Ethernet Interface number)

Type: number

Format: interface

2.64.24 ip as-path

Configure an AS-path list for BGP

as-path Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*access-list, action, value*
Collection Name	*as-path-list*
Collection URI	/axapi/v3/ip/as-path
Element Name	as-path
Element URI	/axapi/v3/ip/as-path/{access-list}+{action}+{value}
Element Attributes	as-path_attributes
Partition Visibility	shared
Schema	`as-path schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/as-path

as-path attributes

```
POST /axapi/v3/ip/as-path/
Payload:
{
    "as-path": {
        "access-list": "a",
        "action": "deny",
        "value": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/as-path

as-path attributes

Get Object

GET

/axapi/v3/ip/as-path/{access-list}+{action}+{value}

as-path attributes

```
GET /axapi/v3/ip/as-path/a+deny+a
Reponse:
{
    "as-path": {
        "access-list": "a",
        "action": "deny",
        "value": "a",
        "uuid": "0e8eea7c-b5c3-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/as-path/a+deny+a"
    }
}
```

Get List

GET

/axapi/v3/ip/as-path

as-path-list

Modify Object

POST

/axapi/v3/ip/as-path/{access-list}+{action}+{value}

as-path attributes

Replace Object

PUT

/axapi/v3/ip/as-path/{access-list}+{action}+{value}

as-path attributes

```
PUT /axapi/v3/ip/as-path/a+deny+a
Payload:
{
    "as-path": {
        "access-list": "a",
        "action": "deny",
        "value": "a"
    }
}
```

Replace List

PUT

/axapi/v3/ip/as-path

as-path-list

Delete Object

DELETE

/axapi/v3/ip/as-path/{access-list}+{action}+{value}

as-path attributes

```
DELETE /axapi/v3/ip/as-path/a+deny+a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

as-path-list

as-path-list is **JSON List** of *as-path attributes*

as-path-list : [

{ *as-path attributes* },

{ *as-path attributes* },

...

]

as-path attributes

access-list

Description Specify an access list name (Regular expression access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description A regular-expression to match the BGP AS paths

Type: string

Format: string-rlx

2.64.25 ip community-list

Configure Community-list

community-list Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	community-list
Element URI	/axapi/v3/ip/community-list
Element Attributes	community-list_attributes
Partition Visibility	shared
Schema	`community-list schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/community-list

community-list_attributes

community-list attributes

expanded-list

Type: List

Reference Object: */axapi/v3/ip/community-list/expanded/{expanded}*

expanded-num-list

Type: List

Reference Object: */axapi/v3/ip/community-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Reference Object: */axapi/v3/ip/community-list/standard/{standard}*

standard-num-list

Type: List

Reference Object: */axapi/v3/ip/community-list/standard-num/{std-list-num}*

expanded-num-list

Specification	Value
Type	*list*
Block object keys	

ext-list-num

Description Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

expanded-list

Specification	Value
Type	*list*
Block object keys	

expanded

Description Add an expanded community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-list_rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

standard-num-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

standard-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-list_rules-list

Specification	Value
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

2.64.26 ip community-list expanded

Configure Expanded Community-list

expanded Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*expanded*
Collection Name	*expanded-list*
Collection URI	/axapi/v3/ip/community-list/expanded
Element Name	expanded
Element URI	/axapi/v3/ip/community-list/expanded/{expanded}
Element Attributes	expanded_attributes
Partition Visibility	shared
Schema	`expanded schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/community-list/expanded

expanded attributes

```
POST /axapi/v3/ip/community-list/expanded/
Payload:
{
    "expanded": {
```

(continues on next page)

(continued from previous page)

```
        "expanded": "a",
        "rules-list": [
            {
                "expanded-value": "a",
                "expanded-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/community-list/expanded

expanded attributes

Get Object

GET

/axapi/v3/ip/community-list/expanded/{expanded}

expanded attributes

```
GET /axapi/v3/ip/community-list/expanded/a
Reponse:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-action": "deny",
                "expanded-value": "a"
            }
        ],
        "uuid": "454d6ce6-b5c3-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/community-list/expanded/a"
    }
}
```

Get List

GET

/axapi/v3/ip/community-list/expanded

expanded-list

Modify Object

POST

/axapi/v3/ip/community-list/expanded/{expanded}

expanded attributes

Replace Object

PUT

/axapi/v3/ip/community-list/expanded/{expanded}

expanded attributes

```
PUT /axapi/v3/ip/community-list/expanded/a
Payload:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-value": "ab",
                "expanded-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/community-list/expanded

expanded-list

Delete Object

DELETE

/axapi/v3/ip/community-list/expanded/{expanded}

expanded attributes

```
DELETE /axapi/v3/ip/community-list/expanded/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

expanded-list

expanded-list is **JSON List** of *expanded attributes*

expanded-list : [

{ *expanded attributes* },

{ *expanded attributes* },

...

]

expanded attributes

expanded

Description Add an expanded community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.64.27 ip community-list expanded-num

Configure Expanded number Community-list

expanded-num Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ext-list-num*
Collection Name	*expanded-num-list*
Collection URI	/axapi/v3/ip/community-list/expanded-num
Element Name	expanded-num
Element URI	/axapi/v3/ip/community-list/expanded-num/{ext-list-num}
Element Attributes	expanded-num_attributes
Partition Visibility	shared
Schema	`expanded-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/community-list/expanded-num

expanded-num attributes

```
POST /axapi/v3/ip/community-list/expanded-num/
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-value": "a",
                "ext-list-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/community-list/expanded-num

expanded-num attributes

Get Object

GET

/axapi/v3/ip/community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
GET /axapi/v3/ip/community-list/expanded-num/100
Reponse:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-action": "deny",
                "ext-list-value": "a"
            }
        ],
        "uuid": "636be716-b5c3-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/community-list/expanded-num/100"
    }
}
```

Get List

GET

/axapi/v3/ip/community-list/expanded-num

expanded-num-list

Modify Object

POST

/axapi/v3/ip/community-list/expanded-num/{ext-list-num}

expanded-num attributes

Replace Object

PUT

/axapi/v3/ip/community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
PUT /axapi/v3/ip/community-list/expanded-num/100
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-value": "ab",
                "ext-list-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/community-list/expanded-num

expanded-num-list

Delete Object

DELETE

/axapi/v3/ip/community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
DELETE /axapi/v3/ip/community-list/expanded-num/100
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

expanded-num-list

expanded-num-list is **JSON List** of *expanded-num attributes*

expanded-num-list : [

{ *expanded-num attributes* },

{ *expanded-num attributes* },

...

]

expanded-num attributes

ext-list-num

Description Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.64.28 ip community-list standard

Configure Standard Community-list

standard Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*standard*
Collection Name	*standard-list*
Collection URI	/axapi/v3/ip/community-list/standard
Element Name	standard
Element URI	/axapi/v3/ip/community-list/standard/{standard}
Element Attributes	standard_attributes
Partition Visibility	shared
Schema	`standard schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/community-list/standard

standard attributes

```
POST /axapi/v3/ip/community-list/standard/
Payload:
{
    "standard": {
        "standard": "a",
```

(continues on next page)

(continued from previous page)

```
        "rules-list": [
            {
                "standard-action": "deny",
                "standard-comm-value": "11:22"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/community-list/standard

standard attributes

Get Object

GET

/axapi/v3/ip/community-list/standard/{standard}

standard attributes

```
GET /axapi/v3/ip/community-list/standard/a
Reponse:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "deny",
                "standard-comm-value": "11:22"
            }
        ],
        "uuid": "823c38da-b5c3-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/community-list/standard/a"
    }
}
```

Get List

GET

/axapi/v3/ip/community-list/standard

standard-list

Modify Object

POST

/axapi/v3/ip/community-list/standard/{standard}

standard attributes

Replace Object

PUT

/axapi/v3/ip/community-list/standard/{standard}

standard attributes

```
PUT /axapi/v3/ip/community-list/standard/a
Payload:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "permit",
                "standard-comm-value": "11:33"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/community-list/standard

standard-list

Delete Object

DELETE

/axapi/v3/ip/community-list/standard/{standard}

standard attributes

```
DELETE /axapi/v3/ip/community-list/standard/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

standard-list

standard-list is **JSON List** of *standard attributes*

standard-list : [

{ *standard attributes* },

{ *standard attributes* },

...

]

standard attributes

rules-list

Type: List

standard

Description Add a standard community-list entry (Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

2.64.29 ip community-list standard-num

Configure Standard number Community-list

standard-num Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*std-list-num*
Collection Name	*standard-num-list*
Collection URI	/axapi/v3/ip/community-list/standard-num
Element Name	standard-num
Element URI	/axapi/v3/ip/community-list/standard-num/{std-list-num}
Element Attributes	standard-num_attributes
Partition Visibility	shared
Schema	`standard-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/community-list/standard-num

standard-num attributes

```
POST /axapi/v3/ip/community-list/standard-num/
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "deny",
                "std-list-comm-value": "11:22"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/community-list/standard-num

standard-num attributes

Get Object

GET

/axapi/v3/ip/community-list/standard-num/{std-list-num}

standard-num attributes

```
GET /axapi/v3/ip/community-list/standard-num/1
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "deny",
                "std-list-comm-value": "11:22"
            }
        ],
        "uuid": "9f6d697e-b5c3-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/community-list/standard-num/1"
    }
}
```

Get List

GET

/axapi/v3/ip/community-list/standard-num

standard-num-list

Modify Object

POST

/axapi/v3/ip/community-list/standard-num/{std-list-num}

standard-num attributes

Replace Object

PUT

/axapi/v3/ip/community-list/standard-num/{std-list-num}

standard-num attributes

```
PUT /axapi/v3/ip/community-list/standard-num/1
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "permit",
                "std-list-comm-value": "11:33"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/community-list/standard-num

standard-num-list

Delete Object

DELETE

/axapi/v3/ip/community-list/standard-num/{std-list-num}

standard-num attributes

```
DELETE /axapi/v3/ip/community-list/standard-num/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

standard-num-list

standard-num-list is **JSON List** of *standard-num attributes*

standard-num-list : [

{ *standard-num attributes* },

{ *standard-num attributes* },

...

]

standard-num attributes

rules-list

Type: List

std-list-num

Description Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

2.64.30 ip default-gateway

Transparent mode gateway

default-gateway Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	default-gateway
Element URI	/axapi/v3/ip/default-gateway
Element Attributes	default-gateway_attributes
Partition Visibility	shared
Schema	`default-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/default-gateway

default-gateway attributes

```
POST /axapi/v3/ip/default-gateway
Payload:
{
    "default-gateway": {
        "gateway-ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/ip/default-gateway

default-gateway attributes

Modify Object

POST

/axapi/v3/ip/default-gateway

default-gateway attributes

Replace Object

PUT

/axapi/v3/ip/default-gateway

default-gateway attributes

Delete Object

DELETE

/axapi/v3/ip/default-gateway

default-gateway attributes

default-gateway attributes

gateway-ip

Description Default gateway address

Type: string

Format: ipv4-address

Reference Object: */axapi/v3/ip/address*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.31 ip dns

Set DNS server

dns Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	dns
Element URI	/axapi/v3/ip/dns
Element Attributes	dns_attributes
Partition Visibility	shared
Schema	`dns schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/dns

dns_attributes

dns attributes

primary

Description: primary is a **JSON Block**. Please see below for *primary*

Type: Object

Reference Object: */axapi/v3/ip/dns/primary*

secondary

Description: secondary is a **JSON Block**. Please see below for *secondary*

Type: Object

Reference Object: */axapi/v3/ip/dns/secondary*

suffix

Description: suffix is a **JSON Block**. Please see below for *suffix*

Type: Object

Reference Object: */axapi/v3/ip/dns/suffix*

suffix

Specification	Value
Type	*object*

domain-name

Description DNS suffix

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

primary

Specification	Value
Type	*object*

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secondary

Specification	Value
Type	*object*

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.32 ip dns primary

Primary DNS server

primary Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	primary
Element URI	/axapi/v3/ip/dns/primary
Element Attributes	primary_attributes
Partition Visibility	shared
Schema	`primary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/dns/primary

primary attributes

```
POST /axapi/v3/ip/dns/primary
Payload:
{
    "primary": {
        "ip-v4-addr": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/ip/dns/primary

primary attributes

```
GET /axapi/v3/ip/dns/primary
Reponse:
{
    "primary": {
        "ip-v4-addr": "3.3.3.3",
        "uuid": "474d84aa-b5bd-11ef-a5cd-ae71681635d0",
        "a10-url": "/axapi/v3/ip/dns/primary"
    }
}
```

Modify Object

POST

/axapi/v3/ip/dns/primary

primary attributes

Replace Object

PUT

/axapi/v3/ip/dns/primary

primary attributes

```
PUT /axapi/v3/ip/dns/primary
Payload:
{
    "primary": {
        "ip-v4-addr": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/dns/primary

primary attributes

```
DELETE /axapi/v3/ip/dns/primary
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

primary attributes

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.33 ip dns secondary

Secondary DNS server

secondary Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	secondary
Element URI	/axapi/v3/ip/dns/secondary
Element Attributes	secondary_attributes
Partition Visibility	shared
Schema	`secondary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/dns/secondary

secondary attributes

```
POST /axapi/v3/ip/dns/secondary
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "secondary": {
        "ip-v4-addr": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/ip/dns/secondary

secondary attributes

```
GET /axapi/v3/ip/dns/secondary
Reponse:
{
    "secondary": {
        "ip-v4-addr": "3.3.3.3",
        "uuid": "19a26564-b5c4-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/dns/secondary"
    }
}
```

Modify Object

POST

/axapi/v3/ip/dns/secondary

secondary attributes

Replace Object

PUT

/axapi/v3/ip/dns/secondary

secondary attributes

```
PUT /axapi/v3/ip/dns/secondary
Payload:
{
    "secondary": {
        "ip-v4-addr": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/dns/secondary

secondary attributes

```
DELETE /axapi/v3/ip/dns/secondary
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

secondary attributes

ip-v4-addr

Description DNS server address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-v4-addr and ip-v6-addr are mutually exclusive

ip-v6-addr

Description DNS server address

Type: string

Format: ipv6-address

Mutual Exclusion: ip-v6-addr and ip-v4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.34 ip dns suffix

DNS suffix

suffix Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	suffix
Element URI	/axapi/v3/ip/dns/suffix
Element Attributes	suffix_attributes
Partition Visibility	shared
Schema	`suffix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/dns/suffix

suffix attributes

```
POST /axapi/v3/ip/dns/suffix
Payload:
{
    "suffix": {
        "domain-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/ip/dns/suffix

suffix attributes

```
GET /axapi/v3/ip/dns/suffix
Reponse:
{
    "suffix": {
        "domain-name": "a",
        "uuid": "35ecd272-b5c4-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/dns/suffix"
    }
}
```

Modify Object

POST

/axapi/v3/ip/dns/suffix

suffix attributes

Replace Object

PUT

/axapi/v3/ip/dns/suffix

suffix attributes

```
PUT /axapi/v3/ip/dns/suffix
Payload:
{
    "suffix": {
        "domain-name": "a"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/dns/suffix

suffix attributes

```
DELETE /axapi/v3/ip/dns/suffix
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

suffix attributes

domain-name

Description DNS suffix

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.35 ip extcommunity-list

Configure Extcommunity-list

extcommunity-list Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	extcommunity-list
Element URI	/axapi/v3/ip/extcommunity-list
Element Attributes	extcommunity-list_attributes
Partition Visibility	shared
Schema	`extcommunity-list schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/extcommunity-list

extcommunity-list_attributes

extcommunity-list attributes

expanded-list

Type: List

Reference Object: */axapi/v3/ip/extcommunity-list/expanded/{expanded}*

expanded-num-list

Type: List

Reference Object: */axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Reference Object: */axapi/v3/ip/extcommunity-list/standard/{standard}*

standard-num-list

Type: List

Reference Object: */axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}*

expanded-num-list

Specification	Value
Type	*list*
Block object keys	

ext-list-num

Description Extended Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

expanded-list

Specification	Value
Type	*list*
Block object keys	

expanded

Description Add an expanded extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-list_rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

standard-num-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Extended Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

standard-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-list_rules-list

Specification	Value
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

2.64.36 ip extcommunity-list expanded

Configure Extended Community-list

expanded Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*expanded*
Collection Name	*expanded-list*
Collection URI	/axapi/v3/ip/extcommunity-list/expanded
Element Name	expanded
Element URI	/axapi/v3/ip/extcommunity-list/expanded/{expanded}
Element Attributes	expanded_attributes
Partition Visibility	shared
Schema	`expanded schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/extcommunity-list/expanded

expanded attributes

```
POST /axapi/v3/ip/extcommunity-list/expanded/
Payload:
{
    "expanded": {
```

(continues on next page)

(continued from previous page)

```
        "expanded": "a",
        "rules-list": [
            {
                "expanded-value": "a",
                "expanded-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/extcommunity-list/expanded

expanded attributes

Get Object

GET

/axapi/v3/ip/extcommunity-list/expanded/{expanded}

expanded attributes

```
GET /axapi/v3/ip/extcommunity-list/expanded/a
Reponse:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-action": "deny",
                "expanded-value": "a"
            }
        ],
        "uuid": "69ef1e5e-b5c4-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/extcommunity-list/expanded/a"
    }
}
```

Get List

GET

/axapi/v3/ip/extcommunity-list/expanded

expanded-list

Modify Object

POST

/axapi/v3/ip/extcommunity-list/expanded/{expanded}

expanded attributes

Replace Object

PUT

/axapi/v3/ip/extcommunity-list/expanded/{expanded}

expanded attributes

```
PUT /axapi/v3/ip/extcommunity-list/expanded/a
Payload:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-value": "ab",
                "expanded-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/extcommunity-list/expanded

expanded-list

Delete Object

DELETE

/axapi/v3/ip/extcommunity-list/expanded/{expanded}

expanded attributes

```
DELETE /axapi/v3/ip/extcommunity-list/expanded/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

expanded-list

expanded-list is **JSON List** of *expanded attributes*

expanded-list : [

{ *expanded attributes* },

{ *expanded attributes* },

...

]

expanded attributes

expanded

Description Add an expanded extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

expanded-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.64.37 ip extcommunity-list expanded-num

Configure Expanded number Community-list

expanded-num Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ext-list-num*
Collection Name	*expanded-num-list*
Collection URI	/axapi/v3/ip/extcommunity-list/expanded-num
Element Name	expanded-num
Element URI	/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}
Element Attributes	expanded-num_attributes
Partition Visibility	shared
Schema	`expanded-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/extcommunity-list/expanded-num

expanded-num attributes

```
POST /axapi/v3/ip/extcommunity-list/expanded-num/
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-value": "a",
                "ext-list-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/extcommunity-list/expanded-num

expanded-num attributes

Get Object

GET

/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}

expanded-num attributes

```
GET /axapi/v3/ip/extcommunity-list/expanded-num/100
Reponse:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-action": "deny",
                "ext-list-value": "a"
            }
        ],
        "uuid": "882e88fa-b5c4-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/extcommunity-list/expanded-num/100"
    }
}
```

Get List

GET

/axapi/v3/ip/extcommunity-list/expanded-num

expanded-num-list

Modify Object

POST

/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}

expanded-num attributes

Replace Object

PUT

/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}

expanded-num attributes

```
PUT /axapi/v3/ip/extcommunity-list/expanded-num/100
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-value": "ab",
                "ext-list-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/extcommunity-list/expanded-num

expanded-num-list

Delete Object

DELETE

/axapi/v3/ip/extcommunity-list/expanded-num/{ext-list-num}

expanded-num attributes

```
DELETE /axapi/v3/ip/extcommunity-list/expanded-num/100
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

expanded-num-list

expanded-num-list is **JSON List** of *expanded-num attributes*

expanded-num-list : [

{ *expanded-num attributes* },

{ *expanded-num attributes* },

...

]

expanded-num attributes

ext-list-num

Description Extended Community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

ext-list-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.64.38 ip extcommunity-list standard

Configure Standard Community-list

standard Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*standard*
Collection Name	*standard-list*
Collection URI	/axapi/v3/ip/extcommunity-list/standard
Element Name	standard
Element URI	/axapi/v3/ip/extcommunity-list/standard/{standard}
Element Attributes	standard_attributes
Partition Visibility	shared
Schema	`standard schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/extcommunity-list/standard

standard attributes

```
POST /axapi/v3/ip/extcommunity-list/standard/
Payload:
{
    "standard": {
        "standard": "a",
```

(continues on next page)

(continued from previous page)

```
        "rules-list": [
            {
                "standard-action": "deny",
                "standard-value": "rt 65535:1"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/extcommunity-list/standard

standard attributes

Get Object

GET

/axapi/v3/ip/extcommunity-list/standard/{standard}

standard attributes

```
GET /axapi/v3/ip/extcommunity-list/standard/a
Reponse:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "deny",
                "standard-value": "rt 65535:1"
            }
        ],
        "uuid": "a68e4e98-b5c4-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/extcommunity-list/standard/a"
    }
}
```

Get List

GET

/axapi/v3/ip/extcommunity-list/standard

standard-list

Modify Object

POST

/axapi/v3/ip/extcommunity-list/standard/{standard}

standard attributes

Replace Object

PUT

/axapi/v3/ip/extcommunity-list/standard/{standard}

standard attributes

```
PUT /axapi/v3/ip/extcommunity-list/standard/a
Payload:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-action": "permit",
                "standard-value": "rt 65535:1"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/extcommunity-list/standard

standard-list

Delete Object

DELETE

/axapi/v3/ip/extcommunity-list/standard/{standard}

standard attributes

```
DELETE /axapi/v3/ip/extcommunity-list/standard/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

standard-list

standard-list is **JSON List** of *standard attributes*

standard-list : [

{ *standard attributes* },

{ *standard attributes* },

...

]

standard attributes

rules-list

Type: List

standard

Description Add a standard extcommunity-list entry (Extended Community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

standard-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

standard-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

2.64.39 ip extcommunity-list standard-num

Configure Standard number Community-list

standard-num Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*std-list-num*
Collection Name	*standard-num-list*
Collection URI	/axapi/v3/ip/extcommunity-list/standard-num
Element Name	standard-num
Element URI	/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}
Element Attributes	standard-num_attributes
Partition Visibility	shared
Schema	`standard-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/extcommunity-list/standard-num

standard-num attributes

```
POST /axapi/v3/ip/extcommunity-list/standard-num/
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "deny",
                "std-list-value": "rt 11:22"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/extcommunity-list/standard-num

standard-num attributes

Get Object

GET

/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}

standard-num attributes

```
GET /axapi/v3/ip/extcommunity-list/standard-num/1
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "deny",
                "std-list-value": "rt 11:22"
            }
        ],
        "uuid": "c3c3e7de-b5c4-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/extcommunity-list/standard-num/1"
    }
}
```

Get List

GET

/axapi/v3/ip/extcommunity-list/standard-num

standard-num-list

Modify Object

POST

/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}

standard-num attributes

Replace Object

PUT

/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}

standard-num attributes

```
PUT /axapi/v3/ip/extcommunity-list/standard-num/1
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-action": "permit",
                "std-list-value": "rt 11:33"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/extcommunity-list/standard-num

standard-num-list

Delete Object

DELETE

/axapi/v3/ip/extcommunity-list/standard-num/{std-list-num}

standard-num attributes

```
DELETE /axapi/v3/ip/extcommunity-list/standard-num/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

standard-num-list

standard-num-list is **JSON List** of *standard-num attributes*

standard-num-list : [

{ *standard-num attributes* },

{ *standard-num attributes* },

...

]

standard-num attributes

rules-list

Type: List

std-list-num

Description Extended Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-action

Description 'deny': Specify community to reject; 'permit': Specify community to accept;

Type: string

Supported Values: deny, permit

std-list-value

Description rt Route Target extended community in aa:nn or IPaddr:nn format OR soo Site-of-Origin extended community in aa:nn or IPaddr:nn

Type: string

Format: string-rlx

2.64.40 ip fib oper

Operational Status for the object fib

fib Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fib
Element URI	/axapi/v3/ip/fib/oper
Element Attributes	fib_attributes
Partition Visibility	None
Schema	`fib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/fib/oper

fib attributes

Get Object

GET

/axapi/v3/ip/fib/oper

fib attributes

Modify Object

POST

/axapi/v3/ip/fib/oper

fib attributes

Replace Object

PUT

/axapi/v3/ip/fib/oper

fib attributes

Delete Object

DELETE

/axapi/v3/ip/fib/oper

fib attributes

fib attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

IPv4-fib

Type: List

Total_Paths

Description

Type: number

Total_Routes

Description

Type: number

oper_IPv4-fib

Specification	Value
Type	*list*
Block object keys	

Distance

Description

Type: number

Interface

Description

Type: string

Supported Values: Management, ethernet, trunk

Nexthop

Description

Type: string

Prefix

Description

Type: string

PrefixLen

Description

Type: number

2.64.41 ip fib-summary oper

Operational Status for the object fib-summary

fib-summary Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fib-summary
Element URI	/axapi/v3/ip/fib-summary/oper
Element Attributes	fib-summary_attributes
Partition Visibility	None
Schema	`fib-summary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/fib-summary/oper

fib-summary attributes

Get Object

GET

/axapi/v3/ip/fib-summary/oper

fib-summary attributes

Modify Object

POST

/axapi/v3/ip/fib-summary/oper

fib-summary attributes

Replace Object

PUT

/axapi/v3/ip/fib-summary/oper

fib-summary attributes

Delete Object

DELETE

/axapi/v3/ip/fib-summary/oper

fib-summary attributes

fib-summary attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

connected_routes

Description

Type: number

static_dynamic_paths

Description

Type: number

static_dynamic_routes

Description

Type: number

total_paths

Description

Type: number

total_routes

Description

Type: number

2.64.42 ip frag

IP fragmentation parameters

frag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ip/frag
Element Attributes	frag_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ip/frag/stats
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/frag

frag attributes

```
POST /axapi/v3/ip/frag
Payload:
{
    "frag": {
        "buff": 10000
    }
}
```

Get Object

GET

/axapi/v3/ip/frag

frag attributes

```
GET /axapi/v3/ip/frag
Reponse:
{
    "frag": {
        "buff": 10000,
        "timeout": 60000,
        "cpu-threshold": {
            "high": 75,
            "low": 60
        },
        "uuid": "d0dcf0cc-b5bb-11ef-ab13-ae71681635d0",
        "a10-url": "/axapi/v3/ip/frag"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/ip/frag

frag attributes

Replace Object

PUT

/axapi/v3/ip/frag

frag attributes

```
PUT /axapi/v3/ip/frag
Payload:
{
    "frag": {
        "buff": 10001
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/frag

frag attributes

```
DELETE /axapi/v3/ip/frag
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

frag attributes

buff

Description Max buff used for fragmentation (Buffer Value(10000-3000000))

Type: number

Range: 10000-3000000

cpu-threshold

Description: cpu-threshold is a **JSON Block**. Please see below for *cpu-threshold*

Type: Object

max-packets-per-reassembly

Description Max number of fragmented packets allowed per reassembly(0 is unlimited) (default 0)

Type: number

Range: 2-16

max-reassembly-sessions

Description Max number of pending reassembly sessions allowed (default 100000)

Type: number

Range: 1-200000

sampling-enable

Type: List

timeout

Description Fragmentation timeout (in milliseconds 4 - 65535 (default is 60000))

Type: number

Range: 4-65535

Default: 60000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation

Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped; 'first-gtp-packet-too-small': First GTP Fragment Too Small Drop;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

cpu-threshold

Specification	Value
Type	*object*

high

Description When CPU usage reaches this value, it will stop processing fragments (default: 75%)

Type: number

Range: 0-100

Default: 75

low

Description When CPU usage remains under this value, it will resume processing fragments (default: 60%)

Type: number

Range: 0-100

Default: 60

2.64.43 ip frag stats

Statistics for the object frag

frag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ip/frag/stats
Element Attributes	frag_attributes
Partition Visibility	None
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/frag/stats

frag attributes

Get Object

GET

/axapi/v3/ip/frag/stats

frag attributes

Modify Object

POST

/axapi/v3/ip/frag/stats

frag attributes

Replace Object

PUT

/axapi/v3/ip/frag/stats

frag attributes

Delete Object

DELETE

/axapi/v3/ip/frag/stats

frag attributes

frag attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad-ip-len

Description Bad IP Length

Type: number

Format: counter

cpu-threshold-drop

Description High CPU Drop

Type: number

Format: counter

duplicate-first-frag

Description Duplicate First Fragment

Type: number

Format: counter

duplicate-last-frag

Description Duplicate Last Fragment

Type: number

Format: counter

error-drop

Description Fragment Processing Drop

Type: number

Format: counter

exceeded-len

Description Payload Length Out of Bounds

Type: number

Format: counter

fast-aging-set

Description Fragmentation Fast Aging Set

Type: number

Format: counter

fast-aging-unset

Description Fragmentation Fast Aging Unset

Type: number

Format: counter

first-gtp-packet-too-small

Description First GTP Fragment Too Small Drop

Type: number

Format: counter

first-l4-too-small

Description First L4 Fragment Too Small Drop

Type: number

Format: counter

first-tcp-too-small

Description First TCP Fragment Too Small Drop

Type: number

Format: counter

fragment-queue-failure

Description Fragment Queue Failure

Type: number

Format: counter

fragment-queue-success

Description Fragment Queue Success

Type: number

Format: counter

high-cpu-threshold

Description High CPU Threshold Reached

Type: number

Format: counter

icmp-dropped

Description ICMP Dropped

Type: number

Format: counter

icmp-rcv

Description ICMP Received

Type: number

Format: counter

icmpv6-dropped

Description ICMPv6 Dropped

Type: number

Format: counter

icmpv6-rcv

Description ICMPv6 Received

Type: number

Format: counter

ipd-entry-drop

Description DDoS Protection Drop

Type: number

Format: counter

ipip-dropped

Description IP-in-IP Dropped

Type: number

Format: counter

ipip-rcv

Description IP-in-IP Received

Type: number

Format: counter

ipv6ip-dropped

Description IPv6-in-IP Dropped

Type: number

Format: counter

ipv6ip-rcv

Description IPv6-in-IP Received

Type: number

Format: counter

low-cpu-threshold

Description Low CPU Threshold Reached

Type: number

Format: counter

max-len-exceeded

Description Fragment Max Data Length Exceeded

Type: number

Format: counter

max-packets-exceeded

Description Too Many Packets Per Reassembly Drop

Type: number

Format: counter

no-session-memory

Description Out of Session Memory

Type: number

Format: counter

other-dropped

Description Other Dropped

Type: number

Format: counter

other-rcv

Description Other Received

Type: number

Format: counter

overlap-error

Description Overlapping Fragment Dropped

Type: number

Format: counter

policy-drop

Description MTU Exceeded Policy Drop

Type: number

Format: counter

reassembly-failure

Description Fragment Reassembly Failure

Type: number

Format: counter

reassembly-success

Description Fragment Reassembly Success

Type: number

Format: counter

sctp-dropped

Description SCTP Dropped

Type: number

Format: counter

sctp-rcv

Description SCTP Received

Type: number

Format: counter

session-expired

Description Session Expired

Type: number

Format: counter

session-inserted

Description Session Inserted

Type: number

Format: counter

session-packets-exceeded

Description Session Max Packets Exceeded

Type: number

Format: counter

tcp-dropped

Description TCP Dropped

Type: number

Format: counter

tcp-rcv

Description TCP Received

Type: number

Format: counter

too-small

Description Fragment Too Small Drop

Type: number

Format: counter

total-fragments-exceeded

Description Total Queued Fragments Exceeded

Type: number

Format: counter

total-sessions-exceeded

Description Total Sessions Exceeded Drop

Type: number

Format: counter

udp-dropped

Description UDP Dropped

Type: number

Format: counter

udp-rcv

Description UDP Received

Type: number

Format: counter

unaligned-len

Description Payload Length Unaligned

Type: number

Format: counter

2.64.44 ip icmp

Global ICMP commands

icmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/ip/icmp
Element Attributes	icmp_attributes
Partition Visibility	shared
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/icmp

icmp attributes

```
POST /axapi/v3/ip/icmp
Payload:
{
    "icmp": {
        "redirect": 1
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/ip/icmp

icmp attributes

```
GET /axapi/v3/ip/icmp
Reponse:
{
    "icmp": {
        "redirect": 1,
        "unreachable": 0,
        "uuid": "4edafae2-b5c5-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/ip/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/ip/icmp

icmp attributes

```
PUT /axapi/v3/ip/icmp
Payload:
{
    "icmp": {
        "redirect": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/icmp

icmp attributes

icmp attributes

redirect

Description Disable outbound ICMP redirect messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unreachable

Description Disable outbound ICMP unreachable messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.45 ip large-community-list

Configure Large-community-list

large-community-list Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	large-community-list
Element URI	/axapi/v3/ip/large-community-list
Element Attributes	large-community-list_attributes
Partition Visibility	shared
Schema	`large-community-list schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/large-community-list

large-community-list_attributes

large-community-list attributes

expanded-list

Type: List

Reference Object: */axapi/v3/ip/large-community-list/expanded/{expanded}*

expanded-num-list

Type: List

Reference Object: */axapi/v3/ip/large-community-list/expanded-num/{ext-list-num}*

standard-list

Type: List

Reference Object: */axapi/v3/ip/large-community-list/standard/{standard}*

standard-num-list

Type: List

Reference Object: */axapi/v3/ip/large-community-list/standard-num/{std-list-num}*

expanded-num-list

Specification	Value
Type	*list*
Block object keys	

ext-list-num

Description Large community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

ext-list-lcom-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

expanded-list

Specification	Value
Type	*list*
Block object keys	

expanded

Description Add an expanded large community-list entry (Large community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

expanded-list_rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

expanded-lcom-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

standard-num-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

std-list-num

Description Large Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-num-list_rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

std-list-lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

standard-list

Specification	Value
Type	*list*
Block object keys	

rules-list

Type: List

standard

Description Add a standard large community-list entry (Large community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

standard-list_rules-list

Specification	Value
Type	*list*
Block object keys	

standard-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

standard-lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

2.64.46 ip large-community-list expanded

Configure Expanded Large Community-list

expanded Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*expanded*
Collection Name	*expanded-list*
Collection URI	/axapi/v3/ip/large-community-list/expanded
Element Name	expanded
Element URI	/axapi/v3/ip/large-community-list/expanded/{expanded}
Element Attributes	expanded_attributes
Partition Visibility	shared
Schema	`expanded schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/large-community-list/expanded

expanded attributes

```
POST /axapi/v3/ip/large-community-list/expanded/
Payload:
{
    "expanded": {
```

(continues on next page)

(continued from previous page)

```
        "expanded": "a",
        "rules-list": [
            {
                "expanded-lcom-value": "a",
                "expanded-lcom-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/large-community-list/expanded

expanded attributes

Get Object

GET

/axapi/v3/ip/large-community-list/expanded/{expanded}

expanded attributes

```
GET /axapi/v3/ip/large-community-list/expanded/a
Reponse:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-lcom-action": "deny",
                "expanded-lcom-value": "a"
            }
        ],
        "uuid": "668ebb60-b5c5-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/large-community-list/expanded/a"
    }
}
```

Get List

GET

/axapi/v3/ip/large-community-list/expanded

expanded-list

Modify Object

POST

/axapi/v3/ip/large-community-list/expanded/{expanded}

expanded attributes

Replace Object

PUT

/axapi/v3/ip/large-community-list/expanded/{expanded}

expanded attributes

```
PUT /axapi/v3/ip/large-community-list/expanded/a
Payload:
{
    "expanded": {
        "expanded": "a",
        "rules-list": [
            {
                "expanded-lcom-value": "ab",
                "expanded-lcom-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/large-community-list/expanded

expanded-list

Delete Object

DELETE

/axapi/v3/ip/large-community-list/expanded/{expanded}

expanded attributes

```
DELETE /axapi/v3/ip/large-community-list/expanded/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

expanded-list

expanded-list is **JSON List** of *expanded attributes*

expanded-list : [

{ *expanded attributes* },

{ *expanded attributes* },

...

]

expanded attributes

expanded

Description Add an expanded large community-list entry (Large community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

expanded-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

expanded-lcom-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.64.47 ip large-community-list expanded-num

Configure Expanded number Large Community-list

expanded-num Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ext-list-num*
Collection Name	*expanded-num-list*
Collection URI	/axapi/v3/ip/large-community-list/expanded-num
Element Name	expanded-num
Element URI	/axapi/v3/ip/large-community-list/expanded-num/{ext-list-num}
Element Attributes	expanded-num_attributes
Partition Visibility	shared
Schema	`expanded-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/large-community-list/expanded-num

expanded-num attributes

```
POST /axapi/v3/ip/large-community-list/expanded-num/
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-lcom-value": "a",
                "ext-list-lcom-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/large-community-list/expanded-num

expanded-num attributes

Get Object

GET

/axapi/v3/ip/large-community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
GET /axapi/v3/ip/large-community-list/expanded-num/100
Reponse:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-lcom-action": "deny",
                "ext-list-lcom-value": "a"
            }
        ],
        "uuid": "80820482-b5c5-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/large-community-list/expanded-num/100"
    }
}
```

Get List

GET

/axapi/v3/ip/large-community-list/expanded-num

expanded-num-list

Modify Object

POST

/axapi/v3/ip/large-community-list/expanded-num/{ext-list-num}

expanded-num attributes

Replace Object

PUT

/axapi/v3/ip/large-community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
PUT /axapi/v3/ip/large-community-list/expanded-num/100
Payload:
{
    "expanded-num": {
        "ext-list-num": 100,
        "rules-list": [
            {
                "ext-list-lcom-value": "ab",
                "ext-list-lcom-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/large-community-list/expanded-num

expanded-num-list

Delete Object

DELETE

/axapi/v3/ip/large-community-list/expanded-num/{ext-list-num}

expanded-num attributes

```
DELETE /axapi/v3/ip/large-community-list/expanded-num/100
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

expanded-num-list

expanded-num-list is **JSON List** of *expanded-num attributes*

expanded-num-list : [

{ *expanded-num attributes* },

{ *expanded-num attributes* },

...

]

expanded-num attributes

ext-list-num

Description Large community list number (expanded)

Type: number

Range: 100-199

rules-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

ext-list-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

ext-list-lcom-value

Description An ordered list as a regular-expression

Type: string

Format: string-rlx

2.64.48 ip large-community-list standard

Configure Standard Large Community-list

standard Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*standard*
Collection Name	*standard-list*
Collection URI	/axapi/v3/ip/large-community-list/standard
Element Name	standard
Element URI	/axapi/v3/ip/large-community-list/standard/{standard}
Element Attributes	standard_attributes
Partition Visibility	shared
Schema	`standard schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/large-community-list/standard

standard attributes

```
POST /axapi/v3/ip/large-community-list/standard/
Payload:
{
    "standard": {
```

(continues on next page)

(continued from previous page)

```
        "standard": "a",
        "rules-list": [
            {
                "standard-lcomm-value": "00:11:22",
                "standard-lcom-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/large-community-list/standard

standard attributes

Get Object

GET

/axapi/v3/ip/large-community-list/standard/{standard}

standard attributes

```
GET /axapi/v3/ip/large-community-list/standard/a
Reponse:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-lcom-action": "deny",
                "standard-lcomm-value": "00:11:22"
            }
        ],
        "uuid": "9afb5638-b5c5-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/large-community-list/standard/a"
    }
}
```

Get List

GET

/axapi/v3/ip/large-community-list/standard

standard-list

Modify Object

POST

/axapi/v3/ip/large-community-list/standard/{standard}

standard attributes

Replace Object

PUT

/axapi/v3/ip/large-community-list/standard/{standard}

standard attributes

```
PUT /axapi/v3/ip/large-community-list/standard/a
Payload:
{
    "standard": {
        "standard": "a",
        "rules-list": [
            {
                "standard-lcomm-value": "00:11:22",
                "standard-lcom-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/large-community-list/standard

standard-list

Delete Object

DELETE

/axapi/v3/ip/large-community-list/standard/{standard}

standard attributes

```
DELETE /axapi/v3/ip/large-community-list/standard/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

standard-list

standard-list is **JSON List** of *standard attributes*

standard-list : [

{ *standard attributes* },

{ *standard attributes* },

...

]

standard attributes

rules-list

Type: List

standard

Description Add a standard large community-list entry (Large community list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

standard-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

standard-lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

2.64.49 ip large-community-list standard-num

Configure Standard number Large Community-list

standard-num Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*std-list-num*
Collection Name	*standard-num-list*
Collection URI	/axapi/v3/ip/large-community-list/standard-num
Element Name	standard-num
Element URI	/axapi/v3/ip/large-community-list/standard-num/{std-list-num}
Element Attributes	standard-num_attributes
Partition Visibility	shared
Schema	`standard-num schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/large-community-list/standard-num

standard-num attributes

```
POST /axapi/v3/ip/large-community-list/standard-num/
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-lcomm-value": "01:01:01",
                "std-list-lcom-action": "deny"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/large-community-list/standard-num

standard-num attributes

Get Object

GET

/axapi/v3/ip/large-community-list/standard-num/{std-list-num}

standard-num attributes

```
GET /axapi/v3/ip/large-community-list/standard-num/1
Reponse:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-lcom-action": "deny",
                "std-list-lcomm-value": "01:01:01"
            }
        ],
        "uuid": "b390d4ca-b5c5-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/large-community-list/standard-num/1"
    }
}
```

Get List

GET

/axapi/v3/ip/large-community-list/standard-num

standard-num-list

Modify Object

POST

/axapi/v3/ip/large-community-list/standard-num/{std-list-num}

standard-num attributes

Replace Object

PUT

/axapi/v3/ip/large-community-list/standard-num/{std-list-num}

standard-num attributes

```
PUT /axapi/v3/ip/large-community-list/standard-num/1
Payload:
{
    "standard-num": {
        "std-list-num": 1,
        "rules-list": [
            {
                "std-list-lcomm-value": "02:02:02",
                "std-list-lcom-action": "permit"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/large-community-list/standard-num

standard-num-list

Delete Object

DELETE

/axapi/v3/ip/large-community-list/standard-num/{std-list-num}

standard-num attributes

```
DELETE /axapi/v3/ip/large-community-list/standard-num/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

standard-num-list

standard-num-list is **JSON List** of *standard-num attributes*

standard-num-list : [

{ *standard-num attributes* },

{ *standard-num attributes* },

...

]

standard-num attributes

rules-list

Type: List

std-list-num

Description Large Community list number (standard)

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-list

Specification	Value
Type	*list*
Block object keys	

std-list-lcom-action

Description 'deny': Specify large community to reject; 'permit': Specify large community to accept;

Type: string

Supported Values: deny, permit

std-list-lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

2.64.50 ip map-list

Configure IP Map List name

map-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*map-list-list*
Collection URI	/axapi/v3/ip/map-list
Element Name	map-list
Element URI	/axapi/v3/ip/map-list/{name}
Element Attributes	map-list_attributes
Partition Visibility	shared
Schema	`map-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/map-list

map-list attributes

```
POST /axapi/v3/ip/map-list/
Payload:
{
    "map-list": {
```

(continues on next page)

(continued from previous page)

```
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/map-list

map-list attributes

Get Object

GET

/axapi/v3/ip/map-list/{name}

map-list attributes

```
GET /axapi/v3/ip/map-list/a
Reponse:
{
    "map-list": {
        "name": "a",
        "file": 0,
        "uuid": "1e0b5d20-b5c6-11ef-b932-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ip/map-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip/map-list

map-list-list

Modify Object

POST

/axapi/v3/ip/map-list/{name}

map-list attributes

Replace Object

PUT

/axapi/v3/ip/map-list/{name}

map-list attributes

```
PUT /axapi/v3/ip/map-list/a
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "map-list": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip/map-list

map-list-list

Delete Object

DELETE

/axapi/v3/ip/map-list/{name}

map-list attributes

```
DELETE /axapi/v3/ip/map-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

map-list-list

map-list-list is **JSON List** of *map-list attributes*

map-list-list : [

{ *map-list attributes* },

{ *map-list attributes* },

...

]

map-list attributes

file

Description Create/Edit a IP Map List stored as a file

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mapping-list

Type: List

name

Description Specify name of the IP Map List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mapping-list

Specification	Value
Type	*list*
Block object keys	

count

Description Number of addresses to be translated in this range

Type: number

Range: 1-16777216

global-start-ip

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ip

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

2.64.51 ip mgmt-traffic

Management traffic IP parameters

mgmt-traffic Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*traffic-type*
Collection Name	*mgmt-traffic-list*
Collection URI	/axapi/v3/ip/mgmt-traffic
Element Name	mgmt-traffic
Element URI	/axapi/v3/ip/mgmt-traffic/{traffic-type}
Element Attributes	mgmt-traffic_attributes
Partition Visibility	shared
Schema	`mgmt-traffic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/mgmt-traffic

mgmt-traffic attributes

```
POST /axapi/v3/ip/mgmt-traffic/
Payload:
{
    "mgmt-traffic": {
        "traffic-type": "all",
        "source-interface": {
            "loopback": 1
        }
    }
}
```

Create List

POST

/axapi/v3/ip/mgmt-traffic

mgmt-traffic attributes

Get Object

GET

/axapi/v3/ip/mgmt-traffic/{traffic-type}

mgmt-traffic attributes

```
GET /axapi/v3/ip/mgmt-traffic/all
Reponse:
{
    "mgmt-traffic": {
        "traffic-type": "all",
        "source-interface": {
            "loopback": 1
        },
        "uuid": "4c32fc80-b5c6-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/mgmt-traffic/all"
    }
}
```

Get List

GET

/axapi/v3/ip/mgmt-traffic

mgmt-traffic-list

Modify Object

POST

/axapi/v3/ip/mgmt-traffic/{traffic-type}

mgmt-traffic attributes

Delete Object

DELETE

/axapi/v3/ip/mgmt-traffic/{traffic-type}

mgmt-traffic attributes

mgmt-traffic-list

mgmt-traffic-list is **JSON List** of *mgmt-traffic attributes*

mgmt-traffic-list : [

{ *mgmt-traffic attributes* },

{ *mgmt-traffic attributes* },

...

]

mgmt-traffic attributes

source-interface

Description: source-interface is a **JSON Block**. Please see below for *source-interface*

Type: Object

traffic-type

Description 'all': All; 'ftp': FTP; 'ntp': NTP; 'snmp-trap': SNMP Trap; 'ssh': SSH and SCP; 'syslog': SYSLOG; 'telnet': Telnet; 'tftp': TFTP; 'web': Web - HTTP and HTTPS;

Type: string

Supported Values: all, ftp, ntp, snmp-trap, ssh, syslog, telnet, tftp, web

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-interface

Specification	Value
Type	*object*

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.64.52 ip nat

Configure NAT

nat Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	nat
Element URI	/axapi/v3/ip/nat
Element Attributes	nat_attributes
Partition Visibility	shared
Schema	`nat schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat

nat_attributes

nat attributes

alg

Description: alg is a **JSON Block**. Please see below for *alg*

Type: Object

Reference Object: */axapi/v3/ip/nat/alg*

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Reference Object: */axapi/v3/ip/nat/icmp*

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside*

nat-global

Description: nat-global is a **JSON Block**. Please see below for *nat-global*

Type: Object

Reference Object: */axapi/v3/ip/nat/nat-global*

pool-group-list

Type: List

Reference Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Reference Object: */axapi/v3/ip/nat/pool/{pool-name}*

range-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/range-list/{name}*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Reference Object: */axapi/v3/ip/nat/template*

translation

Description: translation is a **JSON Block**. Please see below for *translation*

Type: Object

Reference Object: */axapi/v3/ip/nat/translation*

range-list-list

Specification	Value
Type	*list*
Block object keys	

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

global-start-ipv6-addr

Description Global Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ipv6-addr

Description Local Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

name

Description Name for this Static List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-acl-id

Description Access list ID

Type: number

Range: 1-199

v4-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

v6-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v6-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v6-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

alg

Specification	Value
Type	*object*

dns

Description: dns is a **JSON Block**. Please see below for *alg_dns*

Type: Object

Reference Object: */axapi/v3/ip/nat/alg/dns*

pptp

Description: pptp is a **JSON Block**. Please see below for *alg_pptp*

Type: Object

Reference Object: */axapi/v3/ip/nat/alg/pptp*

alg_pptp

Specification	Value
Type	*object*

pptp

Description 'disable': Disable PPTP NAT ALG; 'enable': Enable PPTP NAT ALG;

Type: string

Supported Values: disable, enable

Default: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

alg_pptp_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current-smp-sessions': some help string; 'current-gre-sessions': some help string; 'smp-session-creation-failure': some help string; 'truncated-pns-message': some help string; 'truncated-pac-message': some help string; 'mismatched-pns-call-id': some help string; 'mismatched-pac-call-id': some help string; 'retransmitted-pns-message': some help string; 'retransmitted-pac-message': some help string; 'truncated-gre-packet': some help string; 'unknown-gre-version': some help string; 'no-matching-gre-session': some help string;

Type: string

Supported Values: all, current-smp-sessions, current-gre-sessions, smp-session-creation-failure, truncated-pns-message, truncated-pac-message, mismatched-pns-call-id, mismatched-pac-call-id, retransmitted-pns-message, retransmitted-pac-message, truncated-gre-packet, unknown-gre-version, no-matching-gre-session

alg_dns

Specification	Value
Type	*object*

dns-alg

Description 'disable': Disable DNS NAT ALG; 'enable': Enable DNS NAT ALG;

Type: string

Supported Values: disable, enable

Default: enable

query-id-switch

Description Use DNS query ID to create session (UDP session only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-group-list

Specification	Value
Type	*list*
Block object keys	

member-list

Type: List

Reference Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

pool-group-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Failed': some-help-string;

Type: string

Supported Values: all, Failed

pool-group-list_member-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-global

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cross_cpu_helper_created': Cross CPU Helper Created; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper Standby; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found;

Type: string

Supported Values: all, cross_cpu_helper_created, cross_cpu_helper_free, cross_cpu_sent, cross_cpu_rcv, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_cpu_mismatch, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_deleted, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found

template

Specification	Value
Type	*object*

logging-list

Type: List

Reference Object: */axapi/v3/ip/nat/template/logging/{name}*

template_logging-list

Specification	Value
Type	*list*
Block object keys	

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-rip-rport

Description Include the IP and port of real server in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *template_logging-list_log*

Type: Object

name

Description NAT logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

severity

Description: severity is a **JSON Block**. Please see below for *template_logging-list_severity*

Type: Object

source-port

Description: source-port is a **JSON Block**. Please see below for *template_logging-list_source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_logging-list_severity

Specification	Value
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

template_logging-list_log

Specification	Value
Type	*object*

port-mappings

Description 'creation': Log creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable

template_logging-list_source-port

Specification	Value
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

translation

Specification	Value
Type	*object*

icmp-timeout

Description: icmp-timeout is a **JSON Block**. Please see below for *translation_icmp-timeout*

Type: Object

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-timeout-list

Type: List

Reference Object: */axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}*

tcp-timeout

Description TCP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

udp-timeout

Description UDP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_service-timeout-list

Specification	Value
Type	*list*
Block object keys	

port

Description Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-type

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

translation_icmp-timeout

Specification	Value
Type	*object*

icmp-timeout

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

Default: fast

icmp-timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

icmp

Specification	Value
Type	*object*

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside

Specification	Value
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *inside_source*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source*

inside_source

Specification	Value
Type	*object*

class-list

Description: class-list is a **JSON Block**. Please see below for *inside_source_class-list*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source/class-list*

list

Description: list is a **JSON Block**. Please see below for *inside_source_list*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source/list*

static-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}*

inside_source_static-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

inside_source_list

Specification	Value
Type	*object*

acl-id-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

inside_source_list_acl-id-list-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside_source_list_acl-name-list-list

Specification	Value
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside_source_class-list

Specification	Value
Type	*object*

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-list

Specification	Value
Type	*list*
Block object keys	

chunk-sharing

Description Share NAT pool chunk across CPUs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface

Type: number

Format: interface

gateway

Description Configure gateway IP

Type: string

Format: ipv4-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

Mutual Exclusion: start-address and use-if-ip are mutually exclusive

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip and start-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

2.64.53 ip nat alg

Change NAT ALG Settings

alg Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	alg
Element URI	/axapi/v3/ip/nat/alg
Element Attributes	alg_attributes
Partition Visibility	shared
Schema	`alg schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/alg

alg_attributes

alg attributes

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Reference Object: */axapi/v3/ip/nat/alg/dns*

pptp

Description: pptp is a **JSON Block**. Please see below for *pptp*

Type: Object

Reference Object: */axapi/v3/ip/nat/alg/pptp*

pptp

Specification	Value
Type	*object*

pptp

Description 'disable': Disable PPTP NAT ALG; 'enable': Enable PPTP NAT ALG;

Type: string

Supported Values: disable, enable

Default: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pptp_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current-smp-sessions': some help string; 'current-gre-sessions': some help string; 'smp-session-creation-failure': some help string; 'truncated-pns-message': some help string; 'truncated-pac-message': some help string; 'mismatched-pns-call-id': some help string; 'mismatched-pac-call-id': some help string; 'retransmitted-pns-message': some help string; 'retransmitted-pac-message': some help string; 'truncated-gre-packet': some help string; 'unknown-gre-version': some help string; 'no-matching-gre-session': some help string;

Type: string

Supported Values: all, current-smp-sessions, current-gre-sessions, smp-session-creation-failure, truncated-pns-message, truncated-pac-message, mismatched-pns-call-id, mismatched-pac-call-id, retransmitted-pns-message, retransmitted-pac-message, truncated-gre-packet, unknown-gre-version, no-matching-gre-session

dns

Specification	Value
Type	*object*

dns-alg

Description 'disable': Disable DNS NAT ALG; 'enable': Enable DNS NAT ALG;

Type: string

Supported Values: disable, enable

Default: enable

query-id-switch

Description Use DNS query ID to create session (UDP session only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.54 ip nat alg dns

DNS ALG Settings

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/ip/nat/alg/dns
Element Attributes	dns_attributes
Partition Visibility	shared
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/alg/dns

dns attributes

```
POST /axapi/v3/ip/nat/alg/dns
Payload:
{
    "dns": {
        "dns-alg": "enable",
        "query-id-switch": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/alg/dns

dns attributes

```
GET /axapi/v3/ip/nat/alg/dns
Reponse:
{
    "dns": {
        "dns-alg": "enable",
```

(continues on next page)

(continued from previous page)

```
        "query-id-switch": 1,
        "uuid": "870bf014-b5c6-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/alg/dns"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/alg/dns

dns attributes

Replace Object

PUT

/axapi/v3/ip/nat/alg/dns

dns attributes

```
PUT /axapi/v3/ip/nat/alg/dns
Payload:
{
    "dns": {
        "dns-alg": "enable",
        "query-id-switch": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/alg/dns

dns attributes

```
DELETE /axapi/v3/ip/nat/alg/dns
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns attributes

dns-alg

Description 'disable': Disable DNS NAT ALG; 'enable': Enable DNS NAT ALG;

Type: string

Supported Values: disable, enable

Default: enable

query-id-switch

Description Use DNS query ID to create session (UDP session only)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.55 ip nat alg pptp

PPTP ALG Settings

pptp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/ip/nat/alg/pptp
Element Attributes	pptp_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ip/nat/alg/pptp/stats
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/alg/pptp

pptp attributes

```
POST /axapi/v3/ip/nat/alg/pptp
Payload:
{
    "pptp": {
        "pptp": "disable"
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/alg/pptp

pptp attributes

```
GET /axapi/v3/ip/nat/alg/pptp
Reponse:
{
    "pptp": {
        "pptp": "disable",
        "uuid": "7567bcca-b5d6-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/alg/pptp"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/alg/pptp

pptp attributes

Replace Object

PUT

/axapi/v3/ip/nat/alg/pptp

pptp attributes

```
PUT /axapi/v3/ip/nat/alg/pptp
Payload:
{
    "pptp": {
        "sampling-enable": [
            {
                "counters1": "current-smp-sessions"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/alg/pptp

pptp attributes

```
DELETE /axapi/v3/ip/nat/alg/pptp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

pptp attributes

pptp

Description 'disable': Disable PPTP NAT ALG; 'enable': Enable PPTP NAT ALG;

Type: string

Supported Values: disable, enable

Default: enable

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current-smp-sessions': some help string; 'current-gre-sessions': some help string; 'smp-session-creation-failure': some help string; 'truncated-pns-message': some help string; 'truncated-pac-message': some help string; 'mismatched-pns-call-id': some help string; 'mismatched-pac-call-id': some help string; 'retransmitted-pns-message': some help string; 'retransmitted-pac-message': some help string; 'truncated-gre-packet': some help string; 'unknown-gre-version': some help string; 'no-matching-gre-session': some help string;

Type: string

Supported Values: all, current-smp-sessions, current-gre-sessions, smp-session-creation-failure, truncated-pns-message, truncated-pac-message, mismatched-pns-call-id, mismatched-pac-call-id, retransmitted-pns-message, retransmitted-pac-message, truncated-gre-packet, unknown-gre-version, no-matching-gre-session

2.64.56 ip nat alg pptp stats

Statistics for the object pptp

pptp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pptp
Element URI	/axapi/v3/ip/nat/alg/pptp/stats
Element Attributes	pptp_attributes
Partition Visibility	None
Schema	`pptp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/alg/pptp/stats

pptp attributes

Get Object

GET

/axapi/v3/ip/nat/alg/pptp/stats

pptp attributes

Modify Object

POST

/axapi/v3/ip/nat/alg/pptp/stats

pptp attributes

Replace Object

PUT

/axapi/v3/ip/nat/alg/pptp/stats

pptp attributes

Delete Object

DELETE

/axapi/v3/ip/nat/alg/pptp/stats

pptp attributes

pptp attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

current-gre-sessions

Description some help string

Type: number

Format: counter

current-smp-sessions

Description some help string

Type: number

Format: counter

mismatched-pac-call-id

Description some help string

Type: number

Format: counter

mismatched-pns-call-id

Description some help string

Type: number

Format: counter

no-matching-gre-session

Description some help string

Type: number

Format: counter

retransmitted-pac-message

Description some help string

Type: number

Format: counter

retransmitted-pns-message

Description some help string

Type: number

Format: counter

smp-session-creation-failure

Description some help string

Type: number

Format: counter

truncated-gre-packet

Description some help string

Type: number

Format: counter

truncated-pac-message

Description some help string

Type: number

Format: counter

truncated-pns-message

Description some help string

Type: number

Format: counter

unknown-gre-version

Description some help string

Type: number

Format: counter

2.64.57 ip nat-global

IP NAT global settings

nat-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	nat-global
Element URI	/axapi/v3/ip/nat-global
Element Attributes	nat-global_attributes
Partition Visibility	shared
Schema	`nat-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat-global

nat-global attributes

```
POST /axapi/v3/ip/nat-global
Payload:
{
    "nat-global": {
        "reset-idle-tcp-conn": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/nat-global

nat-global attributes

```
GET /axapi/v3/ip/nat-global
Reponse:
{
    "nat-global": {
        "reset-idle-tcp-conn": 1,
        "uuid": "92825680-b5d6-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat-global"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat-global

nat-global attributes

Replace Object

PUT

/axapi/v3/ip/nat-global

nat-global attributes

```
PUT /axapi/v3/ip/nat-global
Payload:
{
    "nat-global": {
        "reset-idle-tcp-conn": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat-global

nat-global attributes

```
DELETE /axapi/v3/ip/nat-global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

nat-global attributes

reset-idle-tcp-conn

Description Reset Idle TCP Connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.58 ip nat icmp

Configure NAT ICMP settings

icmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/ip/nat/icmp
Element Attributes	icmp_attributes
Partition Visibility	shared
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/icmp

icmp attributes

```
POST /axapi/v3/ip/nat/icmp
Payload:
{
    "icmp": {
        "always-source-nat-errors": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/icmp

icmp attributes

```
GET /axapi/v3/ip/nat/icmp
Reponse:
{
    "icmp": {
        "always-source-nat-errors": 1,
        "respond-to-ping": 0,
        "uuid": "aa9c509a-b5d6-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/ip/nat/icmp

icmp attributes

```
PUT /axapi/v3/ip/nat/icmp
Payload:
{
    "icmp": {
        "always-source-nat-errors": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/icmp

icmp attributes

icmp attributes

always-source-nat-errors

Description Source NAT intermediate routers' IPs for ICMP errors (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respond-to-ping

Description Respond to ICMP echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.59 ip nat inside

Inside configuration for NAT

inside Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	inside
Element URI	/axapi/v3/ip/nat/inside
Element Attributes	inside_attributes
Partition Visibility	shared
Schema	`inside schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/inside

inside_attributes

inside attributes

source

Description: source is a **JSON Block**. Please see below for *source*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source*

source

Specification	Value
Type	*object*

class-list

Description: class-list is a **JSON Block**. Please see below for *source_class-list*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source/class-list*

list

Description: list is a **JSON Block**. Please see below for *source_list*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source/list*

static-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}*

source_static-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

source_list

Specification	Value
Type	*object*

acl-id-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

source_list_acl-id-list-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source_list_acl-name-list-list

Specification	Value
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source_class-list

Specification	Value
Type	*object*

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.60 ip nat inside source

Source

source Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	source
Element URI	/axapi/v3/ip/nat/inside/source
Element Attributes	source_attributes
Partition Visibility	shared
Schema	`source schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/inside/source

source_attributes

source attributes

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source/class-list*

list

Description: list is a **JSON Block**. Please see below for *list*

Type: Object

Reference Object: */axapi/v3/ip/nat/inside/source/list*

static-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}*

static-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

list

Specification	Value
Type	*object*

acl-id-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

list_acl-id-list-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

list_acl-name-list-list

Specification	Value
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list

Specification	Value
Type	*object*

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.61 ip nat inside source class-list

Class List

class-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/ip/nat/inside/source/class-list
Element Attributes	class-list_attributes
Partition Visibility	shared
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

```
POST /axapi/v3/ip/nat/inside/source/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

Modify Object

POST

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

Delete Object

DELETE

/axapi/v3/ip/nat/inside/source/class-list

class-list attributes

class-list attributes

name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.62 ip nat inside source list

access-list-number

list Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	list
Element URI	/axapi/v3/ip/nat/inside/source/list
Element Attributes	list_attributes
Partition Visibility	shared
Schema	`list schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/inside/source/list

list_attributes

list attributes

acl-id-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}*

acl-name-list-list

Type: List

Reference Object: */axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}*

acl-id-list-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description Acl id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-name-list-list

Specification	Value
Type	*list*
Block object keys	

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.63 ip nat inside source list acl-id-list

Acl id

acl-id-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*acl-id*
Collection Name	*acl-id-list-list*
Collection URI	/axapi/v3/ip/nat/inside/source/list/acl-id-list
Element Name	acl-id-list
Element URI	/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}
Element Attributes	acl-id-list_attributes
Partition Visibility	shared
Schema	`acl-id-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/inside/source/list/acl-id-list

acl-id-list attributes

```
POST /axapi/v3/ip/nat/inside/source/list/acl-id-list/
Payload:
{
    "acl-id-list": {
        "acl-id": 1,
        "pool": "a",
        "msl": 1
    }
}
```

Create List

POST

/axapi/v3/ip/nat/inside/source/list/acl-id-list

acl-id-list attributes

Get Object

GET

/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}

acl-id-list attributes

```
GET /axapi/v3/ip/nat/inside/source/list/acl-id-list/1
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "acl-id-list": {
        "acl-id": 1,
        "pool": "a",
        "msl": 1,
        "uuid": "1e5f96e0-b5d7-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/inside/source/list/acl-id-list/1"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/inside/source/list/acl-id-list

acl-id-list-list

Modify Object

POST

/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}

acl-id-list attributes

Replace Object

PUT

/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}

acl-id-list attributes

```
PUT /axapi/v3/ip/nat/inside/source/list/acl-id-list/1
Payload:
{
    "acl-id-list": {
        "acl-id": 1,
        "pool": "a"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/inside/source/list/acl-id-list

acl-id-list-list

Delete Object

DELETE

/axapi/v3/ip/nat/inside/source/list/acl-id-list/{acl-id}

acl-id-list attributes

```
DELETE /axapi/v3/ip/nat/inside/source/list/acl-id-list/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

acl-id-list-list

acl-id-list-list is **JSON List** of *acl-id-list attributes*

acl-id-list-list : [

{ *acl-id-list attributes* },

{ *acl-id-list attributes* },

...

]

acl-id-list attributes

acl-id

Description Acl id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

pool

Description Pool or Pool Group (Pool or Pool Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.64 ip nat inside source list acl-name-list

Apply an access list

acl-name-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*acl-name-list-list*
Collection URI	/axapi/v3/ip/nat/inside/source/list/acl-name-list
Element Name	acl-name-list
Element URI	/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}
Element Attributes	acl-name-list_attributes
Partition Visibility	shared
Schema	`acl-name-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/inside/source/list/acl-name-list

acl-name-list attributes

```
POST /axapi/v3/ip/nat/inside/source/list/acl-name-list/
Payload:
{
    "acl-name-list": {
        "name": "a",
        "pool": "a",
        "msl": 1
    }
}
```

Create List

POST

/axapi/v3/ip/nat/inside/source/list/acl-name-list

acl-name-list attributes

Get Object

GET

/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}

acl-name-list attributes

```
GET /axapi/v3/ip/nat/inside/source/list/acl-name-list/a
Reponse:
{
    "acl-name-list": {
        "name": "a",
        "pool": "a",
        "msl": 1,
        "uuid": "506ce3fe-b5d7-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/inside/source/list/acl-name-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/inside/source/list/acl-name-list

acl-name-list-list

Modify Object

POST

/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}

acl-name-list attributes

Replace Object

PUT

/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}

acl-name-list attributes

```
PUT /axapi/v3/ip/nat/inside/source/list/acl-name-list/a
Payload:
{
    "acl-name-list": {
        "name": "a",
        "pool": "a",
        "msl": 2
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/inside/source/list/acl-name-list

acl-name-list-list

Delete Object

DELETE

/axapi/v3/ip/nat/inside/source/list/acl-name-list/{name}

acl-name-list attributes

```
DELETE /axapi/v3/ip/nat/inside/source/list/acl-name-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

acl-name-list-list

acl-name-list-list is **JSON List** of *acl-name-list attributes*

acl-name-list-list : [

{ *acl-name-list attributes* },

{ *acl-name-list attributes* },

...

]

acl-name-list attributes

msl

Description Maximum Session Life Value

Type: number

Range: 1-1800

name

Description Apply an access list

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

pool

Description Pool or Pool Group (Pool or Pool Group Nam)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.65 ip nat inside source static

Static Address Translations

static Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*src-address, nat-address*
Collection Name	*static-list*
Collection URI	/axapi/v3/ip/nat/inside/source/static
Element Name	static
Element URI	/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}
Element Attributes	static_attributes
Partition Visibility	shared
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/inside/source/static

static attributes

```
POST /axapi/v3/ip/nat/inside/source/static/
Payload:
{
    "static": {
        "nat-address": "3.3.3.4",
        "src-address": "3.3.3.3",
        "action": "enable"
    }
}
```

Create List

POST

/axapi/v3/ip/nat/inside/source/static

static attributes

Get Object

GET

/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}

static attributes

```
GET /axapi/v3/ip/nat/inside/source/static/3.3.3.3+3.3.3.4
Reponse:
{
    "static": {
        "src-address": "3.3.3.3",
        "nat-address": "3.3.3.4",
        "action": "enable",
        "uuid": "761bac20-b5d7-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/inside/source/static/3.3.3.3+3.3.3.4"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/inside/source/static

static-list

Modify Object

POST

/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}

static attributes

Replace Object

PUT

/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}

static attributes

```
PUT /axapi/v3/ip/nat/inside/source/static/3.3.3.3+3.3.3.4
Payload:
{
    "static": {
        "nat-address": "3.3.3.4",
        "src-address": "3.3.3.3",
        "action": "disable"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/inside/source/static

static-list

Delete Object

DELETE

/axapi/v3/ip/nat/inside/source/static/{src-address}+{nat-address}

static attributes

```
DELETE /axapi/v3/ip/nat/inside/source/static/3.3.3.3+3.3.3.4
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

action

Description 'enable': Enable static mapping (default); 'disable': Disable static mapping;

Type: string

Supported Values: enable, disable

Default: enable

nat-address

Description NAT Address

Type: string

Format: ipv4-address

src-address

Description Original Source Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

2.64.66 ip nat nat-global

Debug statistics for IP NAT

nat-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	nat-global
Element URI	/axapi/v3/ip/nat/nat-global
Element Attributes	nat-global_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ip/nat/nat-global/stats
Schema	`nat-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/nat-global

nat-global attributes

Get Object

GET

/axapi/v3/ip/nat/nat-global

nat-global attributes

Modify Object

POST

/axapi/v3/ip/nat/nat-global

nat-global attributes

Replace Object

PUT

/axapi/v3/ip/nat/nat-global

nat-global attributes

Delete Object

DELETE

/axapi/v3/ip/nat/nat-global

nat-global attributes

nat-global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cross_cpu_helper_created': Cross CPU Helper Created; 'cross_cpu_helper_free': Cross CPU Helper Free; 'cross_cpu_sent': Cross CPU Helper Packets Sent; 'cross_cpu_rcv': Cross CPU Helper Packets Received; 'cross_cpu_helper_nat_pool_standby': Cross CPU Helper Standby; 'cross_cpu_helper_cpu_mismatch': Cross CPU Helper CPU Mismatch; 'cross_cpu_bad_l3': Cross CPU Unsupported L3; 'cross_cpu_bad_l4': Cross CPU Unsupported L4; 'cross_cpu_no_session': Cross CPU No Session Found; 'cross_cpu_helper_deleted': Cross CPU Helper Deleted; 'cross_cpu_helper_free_retry_lookup': Cross CPU Helper Free Retry Lookup; 'cross_cpu_helper_free_not_found': Cross CPU Helper Free Not Found;

Type: string

Supported Values: all, cross_cpu_helper_created, cross_cpu_helper_free, cross_cpu_sent, cross_cpu_rcv, cross_cpu_helper_nat_pool_standby, cross_cpu_helper_cpu_mismatch, cross_cpu_bad_l3, cross_cpu_bad_l4, cross_cpu_no_session, cross_cpu_helper_deleted, cross_cpu_helper_free_retry_lookup, cross_cpu_helper_free_not_found

2.64.67 ip nat nat-global stats

Statistics for the object nat-global

nat-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	nat-global
Element URI	/axapi/v3/ip/nat/nat-global/stats
Element Attributes	nat-global_attributes
Partition Visibility	None
Schema	`nat-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/nat-global/stats

nat-global attributes

Get Object

GET

/axapi/v3/ip/nat/nat-global/stats

nat-global attributes

Modify Object

POST

/axapi/v3/ip/nat/nat-global/stats

nat-global attributes

Replace Object

PUT

/axapi/v3/ip/nat/nat-global/stats

nat-global attributes

Delete Object

DELETE

/axapi/v3/ip/nat/nat-global/stats

nat-global attributes

nat-global attributes

stats

Type: Object

2.64.68 ip nat pool

Configure IP pool name

pool Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*pool-list*
Collection URI	/axapi/v3/ip/nat/pool
Element Name	pool
Element URI	/axapi/v3/ip/nat/pool/{pool-name}
Element Attributes	pool_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ip/nat/pool/{pool-name}/stats
Operational Data URI	/axapi/v3/ip/nat/pool/{pool-name}/oper
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool

pool attributes

```
POST /axapi/v3/ip/nat/pool/
Payload:
{
    "pool": {
        "pool-name": "a",
        "netmask": "/24",
        "end-address": "3.3.3.3",
        "start-address": "3.3.3.3",
        "gateway": "3.3.3.4"
    }
}
```

Create List

POST

/axapi/v3/ip/nat/pool

pool attributes

Get Object

GET

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

```
GET /axapi/v3/ip/nat/pool/a
Reponse:
{
    "pool": {
        "pool-name": "a",
        "start-address": "3.3.3.3",
        "end-address": "3.3.3.3",
        "netmask": "/24",
        "gateway": "3.3.3.4",
        "ip-rr": 0,
        "port-overload": 0,
        "chunk-sharing": 0,
        "uuid": "ab1eacf6-b5d7-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/pool/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/pool

pool-list

Modify Object

POST

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

```
PUT /axapi/v3/ip/nat/pool/a
Payload:
{
    "pool": {
        "pool-name": "a",
        "netmask": "/24",
        "end-address": "3.3.3.3",
        "start-address": "3.3.3.3",
        "gateway": "3.3.3.4"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/pool

pool-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

```
DELETE /axapi/v3/ip/nat/pool/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

...

]

pool attributes

chunk-sharing

Description Share NAT pool chunk across CPUs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface

Type: number

Format: interface

gateway

Description Configure gateway IP

Type: string

Format: ipv4-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: string

Format: ipv4-netmask-brief

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv4-address

Mutual Exclusion: start-address and use-if-ip are mutually exclusive

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip and start-address are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Configure VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

2.64.69 ip nat pool-group

IP pool group name

pool-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*pool-group-name*
Collection Name	*pool-group-list*
Collection URI	/axapi/v3/ip/nat/pool-group
Element Name	pool-group
Element URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}
Element Attributes	pool-group_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}/stats
Schema	`pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool-group

pool-group attributes

```
POST /axapi/v3/ip/nat/pool-group/
Payload:
{
    "pool-group": {
        "pool-group-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/nat/pool-group

pool-group attributes

Get Object

GET

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

```
GET /axapi/v3/ip/nat/pool-group/a
Reponse:
{
    "pool-group": {
        "pool-group-name": "a",
        "uuid": "ef4488e2-b5d7-11ef-bb9d-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ip/nat/pool-group/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/pool-group

pool-group-list

Modify Object

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

```
PUT /axapi/v3/ip/nat/pool-group/a
Payload:
{
    "pool-group": {
        "pool-group-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/pool-group

pool-group-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

```
DELETE /axapi/v3/ip/nat/pool-group/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

pool-group-list

pool-group-list is **JSON List** of *pool-group attributes*

pool-group-list : [

{ *pool-group attributes* },

{ *pool-group attributes* },

...

]

pool-group attributes

member-list

Type: List

Reference Object: */axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Failed': some-help-string;

Type: string

Supported Values: all, Failed

member-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.70 ip nat pool-group member

Add a NAT pool to this pool-group

member Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*member-list*
Collection URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}/member
Element Name	member
Element URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}
Element Attributes	member_attributes
Partition Visibility	shared
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member

member attributes

Create List

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member

member attributes

Get Object

GET

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Get List

GET

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member

member-list

Modify Object

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace List

PUT

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member

member-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.71 ip nat pool-group stats

Statistics for the object pool-group

pool-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*pool-group-list*
Collection URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}
Element Name	pool-group
Element URI	/axapi/v3/ip/nat/pool-group/{pool-group-name}/stats
Element Attributes	pool-group_attributes
Partition Visibility	None
Schema	`pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

Create List

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group attributes

Get Object

GET

/axapi/v3/ip/nat/pool-group/{pool-group-name}/stats

pool-group attributes

Get List

GET

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group-list

Modify Object

POST

/axapi/v3/ip/nat/pool-group/{pool-group-name}/stats

pool-group attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool-group/{pool-group-name}/stats

pool-group attributes

Replace List

PUT

/axapi/v3/ip/nat/pool-group/{pool-group-name}

pool-group-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool-group/{pool-group-name}/stats

pool-group attributes

pool-group-list

pool-group-list is **JSON List** of *pool-group attributes*

pool-group-list : [

{ *pool-group attributes* },

{ *pool-group attributes* },

...

]

pool-group attributes

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

Failed

Description some-help-string

Type: number

Format: counter

2.64.72 ip nat pool oper

Operational Status for the object pool

pool Specification

Parameter	Value
Type	*Collection*
Collection Name	*pool-list*
Collection URI	/axapi/v3/ip/nat/pool/{pool-name}
Element Name	pool
Element URI	/axapi/v3/ip/nat/pool/{pool-name}/oper
Element Attributes	pool_attributes
Partition Visibility	None
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

Create List

POST

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

Get Object

GET

/axapi/v3/ip/nat/pool/{pool-name}/oper

pool attributes

Get List

GET

/axapi/v3/ip/nat/pool/{pool-name}

pool-list

Modify Object

POST

/axapi/v3/ip/nat/pool/{pool-name}/oper

pool attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool/{pool-name}/oper

pool attributes

Replace List

PUT

/axapi/v3/ip/nat/pool/{pool-name}

pool-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool/{pool-name}/oper

pool attributes

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

…

]

pool attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Specification	Value
Type	*object*

nat-pool-addr-list

Type: List

oper_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

Address

Description

Type: string

Failed

Description

Type: number

Port-Usage

Description

Type: number

Total-Freed

Description

Type: number

Total-Used

Description

Type: number

2.64.73 ip nat pool stats

Statistics for the object pool

pool Specification

Parameter	Value
Type	*Collection*
Collection Name	*pool-list*
Collection URI	/axapi/v3/ip/nat/pool/{pool-name}
Element Name	pool
Element URI	/axapi/v3/ip/nat/pool/{pool-name}/stats
Element Attributes	pool_attributes
Partition Visibility	None
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

Create List

POST

/axapi/v3/ip/nat/pool/{pool-name}

pool attributes

Get Object

GET

/axapi/v3/ip/nat/pool/{pool-name}/stats

pool attributes

Get List

GET

/axapi/v3/ip/nat/pool/{pool-name}

pool-list

Modify Object

POST

/axapi/v3/ip/nat/pool/{pool-name}/stats

pool attributes

Replace Object

PUT

/axapi/v3/ip/nat/pool/{pool-name}/stats

pool attributes

Replace List

PUT

/axapi/v3/ip/nat/pool/{pool-name}

pool-list

Delete Object

DELETE

/axapi/v3/ip/nat/pool/{pool-name}/stats

pool attributes

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

...

]

pool attributes

pool-name

Description Specify pool name or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

Failed

Description some help string

Type: number

Format: counter

Port-Usage

Description some help string

Type: number

Format: counter

Total-Freed

Description some help string

Type: number

Format: counter

Total-Used

Description some help string

Type: number

Format: counter

2.64.74 ip nat range-list

IP Source NAT Static range list

range-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*range-list-list*
Collection URI	/axapi/v3/ip/nat/range-list
Element Name	range-list
Element URI	/axapi/v3/ip/nat/range-list/{name}
Element Attributes	range-list_attributes
Partition Visibility	shared
Schema	`range-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/range-list

range-list attributes

```
POST /axapi/v3/ip/nat/range-list/
Payload:
{
    "range-list": {
        "name": "a",
        "global-netmaskv4": "255.255.255.0",
        "v4-count": 1,
        "local-netmaskv4": "255.255.255.0",
        "local-start-ipv4-addr": "3.3.3.3",
        "global-start-ipv4-addr": "4.4.4.4",
        "v4-vrid": 1,
        "v4-acl-id": 1
    }
}
```

Create List

POST

/axapi/v3/ip/nat/range-list

range-list attributes

Get Object

GET

/axapi/v3/ip/nat/range-list/{name}

range-list attributes

```
GET /axapi/v3/ip/nat/range-list/a
Reponse:
{
    "range-list": {
        "name": "a",
        "local-start-ipv4-addr": "3.3.3.3",
        "local-netmaskv4": "255.255.255.0",
        "global-start-ipv4-addr": "4.4.4.4",
        "global-netmaskv4": "255.255.255.0",
        "v4-count": 1,
        "v4-acl-id": 1,
        "v4-vrid": 1,
        "uuid": "4a5387e2-b5d8-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/range-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/range-list

range-list-list

Modify Object

POST

/axapi/v3/ip/nat/range-list/{name}

range-list attributes

Replace Object

PUT

/axapi/v3/ip/nat/range-list/{name}

range-list attributes

Replace List

PUT

/axapi/v3/ip/nat/range-list

range-list-list

Delete Object

DELETE

/axapi/v3/ip/nat/range-list/{name}

range-list attributes

```
DELETE /axapi/v3/ip/nat/range-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

range-list-list

range-list-list is **JSON List** of *range-list attributes*

range-list-list : [

{ *range-list attributes* },

{ *range-list attributes* },

...

]

range-list attributes

global-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

global-start-ipv4-addr

Description Global Start IPv4 Address of this list

Type: string

Format: ipv4-address

global-start-ipv6-addr

Description Global Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

local-netmaskv4

Description Mask for this Address range

Type: string

Format: ipv4-netmask

local-start-ipv4-addr

Description Local Start IPv4 Address of this list

Type: string

Format: ipv4-address

local-start-ipv6-addr

Description Local Start IPv6 Address of this list

Type: string

Format: ipv6-address-plen

name

Description Name for this Static List

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-acl-id

Description Access list ID

Type: number

Range: 1-199

v4-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v4-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v4-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

v6-acl-name

Description Access list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

v6-count

Description Number of addresses to be translated in this range

Type: number

Range: 1-200000

v6-vrid

Description VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

Reference Object: */axapi/v3/vrrp-a/vrid*

2.64.75 ip nat template

NAT behavior templates

template Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/ip/nat/template
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/nat/template

template_attributes

template attributes

logging-list

Type: List

Reference Object: */axapi/v3/ip/nat/template/logging/{name}*

logging-list

Specification	Value
Type	*list*
Block object keys	

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-rip-rport

Description Include the IP and port of real server in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *logging-list_log*

Type: Object

name

Description NAT logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

severity

Description: severity is a **JSON Block**. Please see below for *logging-list_severity*

Type: Object

source-port

Description: source-port is a **JSON Block**. Please see below for *logging-list_source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-list_severity

Specification	Value
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

logging-list_log

Specification	Value
Type	*object*

port-mappings

Description 'creation': Log creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable

logging-list_source-port

Specification	Value
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

2.64.76 ip nat template logging

NAT Logging Template

logging Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-list*
Collection URI	/axapi/v3/ip/nat/template/logging
Element Name	logging
Element URI	/axapi/v3/ip/nat/template/logging/{name}
Element Attributes	logging_attributes
Partition Visibility	shared
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/template/logging

logging attributes

```
POST /axapi/v3/ip/nat/template/logging/
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/nat/template/logging

logging attributes

Get Object

GET

/axapi/v3/ip/nat/template/logging/{name}

logging attributes

```
GET /axapi/v3/ip/nat/template/logging/a
Reponse:
{
    "logging": {
        "name": "a",
        "include-destination": 0,
        "include-rip-rport": 0,
        "facility": "local0",
        "severity": {
            "severity-string": "debug"
        },
        "source-port": {
            "source-port-num": 514
        },
        "uuid": "c58d594c-b5d8-11ef-bb9d-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ip/nat/template/logging/a"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/template/logging

logging-list

Modify Object

POST

/axapi/v3/ip/nat/template/logging/{name}

logging attributes

Replace Object

PUT

/axapi/v3/ip/nat/template/logging/{name}

logging attributes

```
PUT /axapi/v3/ip/nat/template/logging/a
Payload:
{
    "logging": {
        "name": "a",
```

(continues on next page)

(continued from previous page)

```
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/template/logging

logging-list

Delete Object

DELETE

/axapi/v3/ip/nat/template/logging/{name}

logging attributes

```
DELETE /axapi/v3/ip/nat/template/logging/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

logging-list

logging-list is **JSON List** of *logging attributes*

logging-list : [

{ *logging attributes* },

{ *logging attributes* },

...

]

logging attributes

facility

Description 'kernel': 0: Kernel; 'user': 1: User-level; 'mail': 2: Mail; 'daemon': 3: System daemons; 'security-authorization': 4: Security/authorization; 'syslog': 5: Syslog internal; 'line-printer': 6: Line printer; 'news': 7: Network news; 'uucp': 8: UUCP subsystem; 'cron': 9: Time-related; 'security-authorization-private': 10: Private security/authorization; 'ftp': 11: FTP; 'ntp': 12: NTP; 'audit': 13: Audit; 'alert': 14: Alert; 'clock': 15: Clock-related; 'local0': 16: Local use 0; 'local1': 17: Local use 1; 'local2': 18: Local use 2; 'local3': 19: Local use 3; 'local4': 20: Local use 4; 'local5': 21: Local use 5; 'local6': 22: Local use 6; 'local7': 23: Local use 7;

Type: string

Supported Values: kernel, user, mail, daemon, security-authorization, syslog, line-printer, news, uucp, cron, security-authorization-private, ftp, ntp, audit, alert, clock, local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

include-destination

Description Include the destination IP and port in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

include-rip-rport

Description Include the IP and port of real server in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

name

Description NAT logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Set NAT logging service-group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

severity

Description: severity is a **JSON Block**. Please see below for *severity*

Type: Object

source-port

Description: source-port is a **JSON Block**. Please see below for *source-port*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

severity

Specification	Value
Type	*object*

severity-string

Description 'emergency': 0: Emergency; 'alert': 1: Alert; 'critical': 2: Critical; 'error': 3: Error; 'warning': 4: Warning; 'notice': 5: Notice; 'informational': 6: Informational; 'debug': 7: Debug;

Type: string

Supported Values: emergency, alert, critical, error, warning, notice, informational, debug

Default: debug

Mutual Exclusion: severity-string and severity-val are mutually exclusive

severity-val

Description Logging severity level

Type: number

Range: 0-7

Default: 7

Mutual Exclusion: severity-val and severity-string are mutually exclusive

log

Specification	Value
Type	*object*

port-mappings

Description 'creation': Log creation of NAT mappgins; 'disable': Disable Log creation and deletion of NAT mappings;

Type: string

Supported Values: creation, disable

source-port

Specification	Value
Type	*object*

any

Description Use any source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and source-port-num are mutually exclusive

source-port-num

Description Set source port for sending NAT syslogs (default: 514)

Type: number

Range: 1-65535

Default: 514

Mutual Exclusion: source-port-num and any are mutually exclusive

2.64.77 ip nat translation

Change or Disable NAT translation values

translation Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	translation
Element URI	/axapi/v3/ip/nat/translation
Element Attributes	translation_attributes
Partition Visibility	shared
Schema	`translation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/translation

translation attributes

```
POST /axapi/v3/ip/nat/translation
Payload:
{
    "translation": {
        "service-timeout-list": [
            {
                "timeout-val": 2,
                "service-type": "tcp",
                "timeout-type": "age",
                "port": 1
            }
        ],
        "icmp-timeout": {
            "icmp-timeout-val": 2,
            "icmp-timeout": "age"
        }
    }
}
```

Get Object

GET

/axapi/v3/ip/nat/translation

translation attributes

```
GET /axapi/v3/ip/nat/translation
Reponse:
{
    "translation": {
        "icmp-timeout": {
            "icmp-timeout": "age",
            "icmp-timeout-val": 2
```

(continues on next page)

(continued from previous page)

```
        },
        "tcp-timeout": 300,
        "udp-timeout": 300,
        "ignore-tcp-msl": 0,
        "uuid": "3266a00c-b5d2-11ef-8c51-ae71681635d0",
        "service-timeout-list": [
            {
                "service-type": "tcp",
                "port": 1,
                "timeout-type": "age",
                "timeout-val": 2,
                "uuid": "127a0002-b5d9-11ef-bb9d-ae71681635d0",
                "a10-url": "/axapi/v3/ip/nat/translation/service-timeout/tcp+1"
            }
        ],
        "a10-url": "/axapi/v3/ip/nat/translation"
    }
}
```

Modify Object

POST

/axapi/v3/ip/nat/translation

translation attributes

Replace Object

PUT

/axapi/v3/ip/nat/translation

translation attributes

```
PUT /axapi/v3/ip/nat/translation
Payload:
{
    "translation": {
        "service-timeout-list": [
            {
                "service-type": "tcp",
                "timeout-type": "fast",
                "port": 1
            }
        ],
        "icmp-timeout": {
            "icmp-timeout-val": 3,
            "icmp-timeout": "age"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/nat/translation

translation attributes

```
DELETE /axapi/v3/ip/nat/translation
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

translation attributes

icmp-timeout

Description: icmp-timeout is a **JSON Block**. Please see below for *icmp-timeout*

Type: Object

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-timeout-list

Type: List

Reference Object: */axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}*

tcp-timeout

Description TCP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

udp-timeout

Description UDP protocol extended translations (Timeout in seconds (Interval of 60 seconds), default is 300 seconds (5 minutes))

Type: number

Range: 2-15000

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-timeout-list

Specification	Value
Type	*list*
Block object keys	

port

Description Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-type

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-timeout

Specification	Value
Type	*object*

icmp-timeout

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

Default: fast

icmp-timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

2.64.78 ip nat translation service-timeout

Specify any custom service timeout

service-timeout Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*service-type, port*
Collection Name	*service-timeout-list*
Collection URI	/axapi/v3/ip/nat/translation/service-timeout
Element Name	service-timeout
Element URI	/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}
Element Attributes	service-timeout_attributes
Partition Visibility	shared
Schema	`service-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/nat/translation/service-timeout

service-timeout attributes

```
POST /axapi/v3/ip/nat/translation/service-timeout/
Payload:
{
    "service-timeout": {
```

(continues on next page)

(continued from previous page)

```
        "timeout-val": 2,
        "service-type": "tcp",
        "timeout-type": "age",
        "port": 1
    }
}
```

Create List

POST

/axapi/v3/ip/nat/translation/service-timeout

service-timeout attributes

Get Object

GET

/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
GET /axapi/v3/ip/nat/translation/service-timeout/tcp+1
Reponse:
{
    "service-timeout": {
        "service-type": "tcp",
        "port": 1,
        "timeout-type": "age",
        "timeout-val": 2,
        "uuid": "42f92302-b5d9-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ip/nat/translation/service-timeout/tcp+1"
    }
}
```

Get List

GET

/axapi/v3/ip/nat/translation/service-timeout

service-timeout-list

Modify Object

POST

/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}

service-timeout attributes

Replace Object

PUT

/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
PUT /axapi/v3/ip/nat/translation/service-timeout/tcp+1
Payload:
{
    "service-timeout": {
        "timeout-val": 3,
        "service-type": "tcp",
        "timeout-type": "age",
        "port": 1
    }
}
```

Replace List

PUT

/axapi/v3/ip/nat/translation/service-timeout

service-timeout-list

Delete Object

DELETE

/axapi/v3/ip/nat/translation/service-timeout/{service-type}+{port}

service-timeout attributes

```
DELETE /axapi/v3/ip/nat/translation/service-timeout/tcp+1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

service-timeout-list

service-timeout-list is **JSON List** of *service-timeout attributes*

service-timeout-list : [

{ *service-timeout attributes* },

{ *service-timeout attributes* },

...

]

service-timeout attributes

port

Description Port Number

Type: number

Range: 1-65535

service-type

Description 'tcp': TCP Protocol; 'udp': UDP Protocol;

Type: string

Supported Values: tcp, udp

timeout-type

Description 'age': Expiration time; 'fast': Use Fast aging;

Type: string

Supported Values: age, fast

timeout-val

Description Timeout in seconds (Interval of 60 seconds)

Type: number

Range: 2-15000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.79 ip prefix-list

Configure Prefix-list

prefix-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*prefix-list-list*
Collection URI	/axapi/v3/ip/prefix-list
Element Name	prefix-list
Element URI	/axapi/v3/ip/prefix-list/{name}
Element Attributes	prefix-list_attributes
Partition Visibility	shared
Schema	`prefix-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/prefix-list

prefix-list attributes

```
POST /axapi/v3/ip/prefix-list/
Payload:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 1,
                "description": "a"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/prefix-list

prefix-list attributes

Get Object

GET

/axapi/v3/ip/prefix-list/{name}

prefix-list attributes

```
GET /axapi/v3/ip/prefix-list/a
Reponse:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 1,
                "description": "a"
            }
        ],
        "uuid": "a7e00212-b5c6-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/prefix-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip/prefix-list

prefix-list-list

Modify Object

POST

/axapi/v3/ip/prefix-list/{name}

prefix-list attributes

Replace Object

PUT

/axapi/v3/ip/prefix-list/{name}

prefix-list attributes

```
PUT /axapi/v3/ip/prefix-list/a
Payload:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 2,
                "description": "abc"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/prefix-list

prefix-list-list

Delete Object

DELETE

/axapi/v3/ip/prefix-list/{name}

prefix-list attributes

```
DELETE /axapi/v3/ip/prefix-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

prefix-list-list

prefix-list-list is **JSON List** of *prefix-list attributes*

prefix-list-list : [

{ *prefix-list attributes* },

{ *prefix-list attributes* },

...

]

prefix-list attributes

name

Description Name of a prefix list

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	Value
Type	*list*
Block object keys	

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

any

Description Any prefix match. Same as "0.0.0.0/0 le 32"

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Prefix-list specific description (Up to 80 characters describing this prefix-list)

Type: string

Maximum Length: 80 characters

Maximum Length: 1 characters

ge

Description Minimum prefix length to be matched

Type: number

Range: 0-32

ipaddr

Description IP prefix, e.g., 35.0.0.0/8

Type: string

Format: ipv4-cidr

le

Description Maximum prefix length to be matched

Type: number

Range: 0-32

seq

Description Sequence number of an entry

Type: number

Range: 1-4294967295

2.64.80 ip reroute

reroute sessions

reroute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reroute
Element URI	/axapi/v3/ip/reroute
Element Attributes	reroute_attributes
Partition Visibility	shared
Schema	`reroute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/reroute

reroute attributes

```
POST /axapi/v3/ip/reroute
Payload:
{
    "reroute": {
        "suppress-protocols": {
            "ospf": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/ip/reroute

reroute attributes

```
GET /axapi/v3/ip/reroute
Reponse:
{
    "reroute": {
        "uuid": "db6b6658-b5c6-11ef-b932-ae71681635d0",
        "suppress-protocols": {
            "ospf": 1,
            "ebgp": 0,
            "ibgp": 0,
            "static": 0,
            "isis": 0,
            "rip": 0,
            "connected": 0,
            "uuid": "db6b7ea4-b5c6-11ef-b932-ae71681635d0",
            "a10-url": "/axapi/v3/ip/reroute/suppress-protocols"
        },
        "a10-url": "/axapi/v3/ip/reroute"
    }
}
```

Modify Object

POST

/axapi/v3/ip/reroute

reroute attributes

Replace Object

PUT

/axapi/v3/ip/reroute

reroute attributes

Delete Object

DELETE

/axapi/v3/ip/reroute

reroute attributes

```
DELETE /axapi/v3/ip/reroute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

reroute attributes

suppress-protocols

Description: suppress-protocols is a **JSON Block**. Please see below for *suppress-protocols*

Type: Object

Reference Object: */axapi/v3/ip/reroute/suppress-protocols*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

suppress-protocols

Specification	Value
Type	*object*

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.81 ip reroute suppress-protocols

suppress protocols

suppress-protocols Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	suppress-protocols
Element URI	/axapi/v3/ip/reroute/suppress-protocols
Element Attributes	suppress-protocols_attributes
Partition Visibility	shared
Schema	`suppress-protocols schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

```
POST /axapi/v3/ip/reroute/suppress-protocols
Payload:
{
    "suppress-protocols": {
        "ospf": 1
    }
}
```

Get Object

GET

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

```
GET /axapi/v3/ip/reroute/suppress-protocols
Reponse:
{
    "suppress-protocols": {
        "ospf": 1,
        "ebgp": 0,
        "ibgp": 0,
        "static": 0,
        "isis": 0,
        "rip": 0,
        "connected": 0,
        "uuid": "f8d05d0c-b5c6-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/reroute/suppress-protocols"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

Replace Object

PUT

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

```
PUT /axapi/v3/ip/reroute/suppress-protocols
Payload:
{
    "suppress-protocols": {
        "uuid": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/reroute/suppress-protocols

suppress-protocols attributes

```
DELETE /axapi/v3/ip/reroute/suppress-protocols
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

suppress-protocols attributes

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.82 ip rib

Establish static routes

rib Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rib
Element URI	/axapi/v3/ip/rib
Element Attributes	rib_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ip/rib/oper
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/rib

rib attributes

Get Object

GET

/axapi/v3/ip/rib

rib attributes

Modify Object

POST

/axapi/v3/ip/rib

rib attributes

Replace Object

PUT

/axapi/v3/ip/rib

rib attributes

Delete Object

DELETE

/axapi/v3/ip/rib

rib attributes

rib attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.83 ip rib oper

Operational Status for the object rib

rib Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rib
Element URI	/axapi/v3/ip/rib/oper
Element Attributes	rib_attributes
Partition Visibility	None
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/rib/oper

rib attributes

Get Object

GET

/axapi/v3/ip/rib/oper

rib attributes

Modify Object

POST

/axapi/v3/ip/rib/oper

rib attributes

Replace Object

PUT

/axapi/v3/ip/rib/oper

rib attributes

Delete Object

DELETE

/axapi/v3/ip/rib/oper

rib attributes

rib attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Description

Description

Type: string

Format: string-rlx

IPv4-routes

Type: List

Limit

Description

Type: number

Total

Description

Type: number

Total Paths

Description

Type: number

oper_IPv4-routes

Specification	Value
Type	*list*
Block object keys	

Distance

Description

Type: number

Interface

Description

Type: string

Metric

Description

Type: number

Nexthop

Description

Type: string

Format: ipv4-address

Prefix

Description

Type: string

Format: ipv4-address

PrefixLen

Description

Type: number

Subtype

Description

Type: string

Supported Values: inter-area, nssa-type-1, nssa-type-2, external-type-1, external-type-2, level-1, level-2

Type

Description

Type: string

Supported Values: kernel, connected, static, rip, ospf, bgp, isis, vip, selected-vip, ip-nat-list, ip-nat, floating-ip, static-nat, public-ip, a10

2.64.84 ip route

Establish static routes

route Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	route
Element URI	/axapi/v3/ip/route
Element Attributes	route_attributes
Partition Visibility	shared
Schema	`route schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/route

route_attributes

route attributes

rib-list

Type: List

Reference Object: */axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}*

source

Description: source is a **JSON Block**. Please see below for *source*

Type: Object

Reference Object: */axapi/v3/ip/route/source*

static

Description: static is a **JSON Block**. Please see below for *static*

Type: Object

Reference Object: */axapi/v3/ip/route/static*

rib-list

Specification	Value
Type	*list*
Block object keys	

ip-dest-addr

Description Destination prefix

Type: string

Format: ipv4-address

ip-mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask-brief

ip-nexthop-ipv4

Type: List

ip-nexthop-lif

Type: List

ip-nexthop-partition

Type: List

ip-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rib-list_ip-nexthop-lif

Specification	Value
Type	*list*
Block object keys	

description-nexthop-lif

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lif

Description LIF Interface (Logical tunnel interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

rib-list_ip-nexthop-ipv4

Specification	Value
Type	*list*
Block object keys	

description-nexthop-ip

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-ip

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop

Description Forwarding router's address

Type: string

Format: ipv4-address

rib-list_ip-nexthop-tunnel

Specification	Value
Type	*list*
Block object keys	

description-nexthop-tunnel

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop-tunnel

Description Forwarding router's address

Type: string

Format: ipv4-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

rib-list_ip-nexthop-partition

Specification	Value
Type	*list*
Block object keys	

description-nexthop-partition

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

description-partition-vrid

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition-name

Description Name of network partition

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

vrid-num-in-partition

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

source

Specification	Value
Type	*object*

lif-list

Type: List

Reference Object: */axapi/v3/ip/route/source/lif/{ifname}+{nexthop-ip}*

ve-list

Type: List

Reference Object: */axapi/v3/ip/route/source/ve/{ve-num}+{nexthop-ip}*

source_lif-list

Specification	Value
Type	*list*
Block object keys	

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source_ve-list

Specification	Value
Type	*list*
Block object keys	

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description

Type: number

Range: 1-4094

static

Specification	Value
Type	*object*

bfd-list

Type: List

Reference Object: */axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}*

static_bfd-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ip

Description Local IP address

Type: string

Format: ipv4-address

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.85 ip route rib

Establish static routes

rib Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-dest-addr, ip-mask*
Collection Name	*rib-list*
Collection URI	/axapi/v3/ip/route/rib
Element Name	rib
Element URI	/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}
Element Attributes	rib_attributes
Partition Visibility	shared
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/route/rib

rib attributes

```
POST /axapi/v3/ip/route/rib/
Payload:
{
    "rib": {
        "ip-mask": "/24",
        "ip-dest-addr": "3.3.3.0",
        "ip-nexthop-ipv4": [
            {
                "ip-next-hop": "4.3.3.5",
                "distance-nexthop-ip": 1
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ip/route/rib

rib attributes

Get Object

GET

/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}

rib attributes

```
GET /axapi/v3/ip/route/rib/3.3.3.0+%2f24
Reponse:
{
    "rib": {
        "ip-dest-addr": "3.3.3.0",
        "ip-mask": "/24",
        "ip-nexthop-ipv4": [
            {
                "ip-next-hop": "4.3.3.5",
                "distance-nexthop-ip": 1
            }
        ],
        "uuid": "6e5a9e5c-b5c7-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/route/rib/3.3.3.0+%2F24"
    }
}
```

Get List

GET

/axapi/v3/ip/route/rib

rib-list

Modify Object

POST

/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}

rib attributes

Replace Object

PUT

/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}

rib attributes

```
PUT /axapi/v3/ip/route/rib/3.3.3.0+%2f24
Payload:
{
    "rib": {
        "ip-mask": "/24",
        "ip-dest-addr": "3.3.3.0",
        "ip-nexthop-ipv4": [
            {
                "ip-next-hop": "4.3.3.6",
                "distance-nexthop-ip": 2
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ip/route/rib

rib-list

Delete Object

DELETE

/axapi/v3/ip/route/rib/{ip-dest-addr}+{ip-mask}

rib attributes

```
DELETE /axapi/v3/ip/route/rib/3.3.3.0+%2f24
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

rib-list

rib-list is **JSON List** of *rib attributes*

rib-list : [

{ *rib attributes* },

{ *rib attributes* },

...

]

rib attributes

ip-dest-addr

Description Destination prefix

Type: string

Format: ipv4-address

ip-mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask-brief

ip-nexthop-ipv4

Type: List

ip-nexthop-lif

Type: List

ip-nexthop-partition

Type: List

ip-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-nexthop-lif

Specification	Value
Type	*list*
Block object keys	

description-nexthop-lif

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lif

Description LIF Interface (Logical tunnel interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

ip-nexthop-ipv4

Specification	Value
Type	*list*
Block object keys	

description-nexthop-ip

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-ip

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop

Description Forwarding router's address

Type: string

Format: ipv4-address

ip-nexthop-tunnel

Specification	Value
Type	*list*
Block object keys	

description-nexthop-tunnel

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ip-next-hop-tunnel

Description Forwarding router's address

Type: string

Format: ipv4-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

ip-nexthop-partition

Specification	Value
Type	*list*
Block object keys	

description-nexthop-partition

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

description-partition-vrid

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

partition-name

Description Name of network partition

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

vrid-num-in-partition

Description Specify ha VRRP-A vrid

Type: number

Range: 0-31

2.64.86 ip route source

allow source routing

source Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	source
Element URI	/axapi/v3/ip/route/source
Element Attributes	source_attributes
Partition Visibility	shared
Schema	`source schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/route/source

source_attributes

source attributes

lif-list

Type: List

Reference Object: */axapi/v3/ip/route/source/lif/{ifname}+{nexthop-ip}*

ve-list

Type: List

Reference Object: */axapi/v3/ip/route/source/ve/{ve-num}+{nexthop-ip}*

lif-list

Specification	Value
Type	*list*
Block object keys	

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Specification	Value
Type	*list*
Block object keys	

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description

Type: number

Range: 1-4094

2.64.87 ip route source lif

Lif interface

lif Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifname, nexthop-ip*
Collection Name	*lif-list*
Collection URI	/axapi/v3/ip/route/source/lif
Element Name	lif
Element URI	/axapi/v3/ip/route/source/lif/{ifname}+{nexthop-ip}
Element Attributes	lif_attributes
Partition Visibility	shared
Schema	`lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/route/source/lif

lif attributes

```
POST /axapi/v3/ip/route/source/lif/
Payload:
{
    "lif": {
        "ifname": "a",
        "nexthop-ip": "3.3.3.3"
    }
}
```

Create List

POST

/axapi/v3/ip/route/source/lif

lif attributes

Get Object

GET

/axapi/v3/ip/route/source/lif/{ifname}+{nexthop-ip}

lif attributes

Get List

GET

/axapi/v3/ip/route/source/lif

lif-list

Modify Object

POST

/axapi/v3/ip/route/source/lif/{ifname}+{nexthop-ip}

lif attributes

Replace Object

PUT

/axapi/v3/ip/route/source/lif/{ifname}+{nexthop-ip}

lif attributes

Replace List

PUT

/axapi/v3/ip/route/source/lif

lif-list

Delete Object

DELETE

/axapi/v3/ip/route/source/lif/{ifname}+{nexthop-ip}

lif attributes

lif-list

lif-list is **JSON List** of *lif attributes*

```
lif-list : [
        { lif attributes },
        { lif attributes },
        ...
    ]
```

lif attributes

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.88 ip route source ve

Source ve

ve Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ve-num, nexthop-ip*
Collection Name	*ve-list*
Collection URI	/axapi/v3/ip/route/source/ve
Element Name	ve
Element URI	/axapi/v3/ip/route/source/ve/{ve-num}+{nexthop-ip}
Element Attributes	ve_attributes
Partition Visibility	shared
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/route/source/ve

ve attributes

```
POST /axapi/v3/ip/route/source/ve/
Payload:
{
    "ve": {
        "nexthop-ip": "3.3.3.3",
        "ve-num": 1
    }
}
```

Create List

POST

/axapi/v3/ip/route/source/ve

ve attributes

Get Object

GET

/axapi/v3/ip/route/source/ve/{ve-num}+{nexthop-ip}

ve attributes

Get List

GET

/axapi/v3/ip/route/source/ve

ve-list

Modify Object

POST

/axapi/v3/ip/route/source/ve/{ve-num}+{nexthop-ip}

ve attributes

Replace Object

PUT

/axapi/v3/ip/route/source/ve/{ve-num}+{nexthop-ip}

ve attributes

Replace List

PUT

/axapi/v3/ip/route/source/ve

ve-list

Delete Object

DELETE

/axapi/v3/ip/route/source/ve/{ve-num}+{nexthop-ip}

ve attributes

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description

Type: number

Range: 1-4094

2.64.89 ip route static

Allow static routes

static Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	static
Element URI	/axapi/v3/ip/route/static
Element Attributes	static_attributes
Partition Visibility	shared
Schema	`static schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ip/route/static

static_attributes

static attributes

bfd-list

Type: List

Reference Object: */axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}*

bfd-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ip

Description Local IP address

Type: string

Format: ipv4-address

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.90 ip route static bfd

Bidirectional Forwarding Detection

bfd Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*local-ip, nexthop-ip*
Collection Name	*bfd-list*
Collection URI	/axapi/v3/ip/route/static/bfd
Element Name	bfd
Element URI	/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}
Element Attributes	bfd_attributes
Partition Visibility	shared
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/route/static/bfd

bfd attributes

```
POST /axapi/v3/ip/route/static/bfd/
Payload:
{
    "bfd": {
        "local-ip": "3.3.3.3",
        "nexthop-ip": "3.3.3.3",
        "threshold": 1,
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ip/route/static/bfd

bfd attributes

Get Object

GET

/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}

bfd attributes

```
GET /axapi/v3/ip/route/static/bfd/3.3.3.3+3.3.3.3
Reponse:
{
    "bfd": {
        "local-ip": "3.3.3.3",
        "nexthop-ip": "3.3.3.3",
        "template": "a",
        "threshold": 1,
        "action": "down",
        "uuid": "444c08ac-b5c8-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/route/static/bfd/3.3.3.3+3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/ip/route/static/bfd

bfd-list

Modify Object

POST

/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}

bfd attributes

Replace Object

PUT

/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}

bfd attributes

```
PUT /axapi/v3/ip/route/static/bfd/3.3.3.3+3.3.3.3
Payload:
{
    "bfd": {
        "local-ip": "3.3.3.3",
        "nexthop-ip": "3.3.3.3",
        "threshold": 2,
        "action": "down",
        "template": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip/route/static/bfd

bfd-list

Delete Object

DELETE

/axapi/v3/ip/route/static/bfd/{local-ip}+{nexthop-ip}

bfd attributes

```
DELETE /axapi/v3/ip/route/static/bfd/3.3.3.3+3.3.3.3
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bfd-list

bfd-list is **JSON List** of *bfd attributes*

bfd-list : [

{ *bfd attributes* },

{ *bfd attributes* },

...

]

bfd attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ip

Description Local IP address

Type: string

Format: ipv4-address

nexthop-ip

Description Nexthop IP address

Type: string

Format: ipv4-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.91 ip tcp

Global TCP parameters

tcp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/ip/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/tcp

tcp attributes

```
POST /axapi/v3/ip/tcp
Payload:
{
    "tcp": {
        "syn-cookie": {
```

(continues on next page)

(continued from previous page)

```
            "threshold": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/ip/tcp

tcp attributes

```
GET /axapi/v3/ip/tcp
Reponse:
{
    "tcp": {
        "syn-cookie": {
            "threshold": 1
        },
        "uuid": "d0dcf28e-b5bb-11ef-ab13-ae71681635d0",
        "a10-url": "/axapi/v3/ip/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/ip/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/ip/tcp

tcp attributes

```
PUT /axapi/v3/ip/tcp
Payload:
{
    "tcp": {
        "syn-cookie": {
            "threshold": 2
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/tcp

tcp attributes

```
DELETE /axapi/v3/ip/tcp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tcp attributes

syn-cookie

Description: syn-cookie is a **JSON Block**. Please see below for *syn-cookie*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syn-cookie

Specification	Value
Type	*object*

sack-enable

Description Enable HW Syn-Cookie SACK support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold

Description SYN cookie expire threshold (seconds (default is 4))

Type: number

Range: 1-100

Default: 4

2.64.92 ip telemetry

IPv4 telemetry table

telemetry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	telemetry
Element URI	/axapi/v3/ip/telemetry
Element Attributes	telemetry_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ip/telemetry/oper
Schema	`telemetry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/telemetry

telemetry attributes

Get Object

GET

/axapi/v3/ip/telemetry

telemetry attributes

Modify Object

POST

/axapi/v3/ip/telemetry

telemetry attributes

Replace Object

PUT

/axapi/v3/ip/telemetry

telemetry attributes

Delete Object

DELETE

/axapi/v3/ip/telemetry

telemetry attributes

telemetry attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.93 ip telemetry oper

Operational Status for the object telemetry

telemetry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	telemetry
Element URI	/axapi/v3/ip/telemetry/oper
Element Attributes	telemetry_attributes
Partition Visibility	None
Schema	`telemetry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/telemetry/oper

telemetry attributes

Get Object

GET

/axapi/v3/ip/telemetry/oper

telemetry attributes

Modify Object

POST

/axapi/v3/ip/telemetry/oper

telemetry attributes

Replace Object

PUT

/axapi/v3/ip/telemetry/oper

telemetry attributes

Delete Object

DELETE

/axapi/v3/ip/telemetry/oper

telemetry attributes

telemetry attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Total

Description

Type: number

db

Type: List

oper_db

Specification	Value
Type	*list*
Block object keys	

class-list-id

Description

Type: number

class-list-name

Description

Type: string

ipv4-nexthop

Description

Type: string

ipv4_addr

Description

Type: string

net-mask-len

Description

Type: number

origin_as

Description

Type: number

peer_as

Description

Type: number

zone-name

Description

Type: string

2.64.94 ip unnumbered

unnumbered feature

unnumbered Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	unnumbered
Element URI	/axapi/v3/ip/unnumbered
Element Attributes	unnumbered_attributes
Partition Visibility	shared
Schema	`unnumbered schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/unnumbered

unnumbered attributes

```
POST /axapi/v3/ip/unnumbered
Payload:
{
    "unnumbered": {
        "use-source-ip": {
            "update-source-ip": "3.3.3.3"
        }
    }
}
```

Get Object

GET

/axapi/v3/ip/unnumbered

unnumbered attributes

```
GET /axapi/v3/ip/unnumbered
Reponse:
{
    "unnumbered": {
        "uuid": "9e153278-b5c8-11ef-b932-ae71681635d0",
        "use-source-ip": {
            "update-source-ip": "3.3.3.3",
            "uuid": "9e161904-b5c8-11ef-b932-ae71681635d0",
            "a10-url": "/axapi/v3/ip/unnumbered/use-source-ip"
        },
        "a10-url": "/axapi/v3/ip/unnumbered"
    }
}
```

Modify Object

POST

/axapi/v3/ip/unnumbered

unnumbered attributes

Replace Object

PUT

/axapi/v3/ip/unnumbered

unnumbered attributes

```
PUT /axapi/v3/ip/unnumbered
Payload:
{
    "unnumbered": {
        "use-source-ip": {
            "update-source-ip": "3.3.3.3"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/unnumbered

unnumbered attributes

```
DELETE /axapi/v3/ip/unnumbered
```

(continues on next page)

(continued from previous page)

```
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

unnumbered attributes

use-source-ip

Description: use-source-ip is a **JSON Block**. Please see below for *use-source-ip*

Type: Object

Reference Object: */axapi/v3/ip/unnumbered/use-source-ip*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-source-ip

Specification	Value
Type	*object*

update-source-ip

Description IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.64.95 ip unnumbered use-source-ip

Source IP address

use-source-ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	use-source-ip
Element URI	/axapi/v3/ip/unnumbered/use-source-ip
Element Attributes	use-source-ip_attributes
Partition Visibility	shared
Schema	`use-source-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

```
POST /axapi/v3/ip/unnumbered/use-source-ip
Payload:
{
    "use-source-ip": {
        "update-source-ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

```
GET /axapi/v3/ip/unnumbered/use-source-ip
Reponse:
{
    "use-source-ip": {
        "update-source-ip": "3.3.3.3",
        "uuid": "bb856b98-b5c8-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ip/unnumbered/use-source-ip"
    }
}
```

Modify Object

POST

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

Replace Object

PUT

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

```
PUT /axapi/v3/ip/unnumbered/use-source-ip
Payload:
{
    "use-source-ip": {
        "update-source-ip": "3.3.3.3"
    }
}
```

Delete Object

DELETE

/axapi/v3/ip/unnumbered/use-source-ip

use-source-ip attributes

```
DELETE /axapi/v3/ip/unnumbered/use-source-ip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

use-source-ip attributes

update-source-ip

Description IP address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.65 ip-list

Objects:

2.65.1 ip-list

Configure ip list

ip-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*ip-list-list*
Collection URI	/axapi/v3/ip-list
Element Name	ip-list
Element URI	/axapi/v3/ip-list/{name}
Element Attributes	ip-list_attributes
Partition Visibility	shared
Schema	`ip-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ip-list

ip-list attributes

```
POST /axapi/v3/ip-list/
Payload:
{
    "ip-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ip-list

ip-list attributes

Get Object

GET

/axapi/v3/ip-list/{name}

ip-list attributes

```
GET /axapi/v3/ip-list/a
Reponse:
{
    "ip-list": {
        "name": "a",
        "uuid": "d04f6d1a-b5c5-11ef-b932-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ip-list/a"
    }
}
```

Get List

GET

/axapi/v3/ip-list

ip-list-list

Modify Object

POST

/axapi/v3/ip-list/{name}

ip-list attributes

Replace Object

PUT

/axapi/v3/ip-list/{name}

ip-list attributes

```
PUT /axapi/v3/ip-list/a
Payload:
{
    "ip-list": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ip-list

ip-list-list

Delete Object

DELETE

/axapi/v3/ip-list/{name}

ip-list attributes

```
DELETE /axapi/v3/ip-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip-list-list

ip-list-list is **JSON List** of *ip-list attributes*

ip-list-list : [

{ *ip-list attributes* },

{ *ip-list attributes* },

...

]

ip-list attributes

ipv4-config

Type: List

ipv6-config

Type: List

ipv6-prefix-config

Type: List

name

Description Specify name of the ip list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-config

Specification	Value
Type	*list*
Block object keys	

ipv6-end-addr

Description IPv6 Range End Address

Type: string

Format: ipv6-address

ipv6-start-addr

Description IPv6 Range Start Address / IPv6 Address

Type: string

Format: ipv6-address

ipv4-config

Specification	Value
Type	*list*
Block object keys	

ipv4-end-addr

Description IPv4 Range End Address

Type: string

Format: ipv4-address

ipv4-start-addr

Description IPv4 Range Start Address / IPv4 Address

Type: string

Format: ipv4-address

ipv6-prefix-config

Specification	Value
Type	*list*
Block object keys	

count

Description Number of IPv6 prefixes

Type: number

Range: 1-2147483647

ipv6-addr-prefix

Description IPv6 Prefix Range Start / IPv6 Prefix

Type: string

Format: ipv6-address-plen

ipv6-prefix-to

Description IPv6 Prefix Range End

Type: string

Format: ipv6-address-plen

2.66 ipv4-in-ipv6

Objects:

2.66.1 ipv4-in-ipv6

Global IPv4-in-IPv6 configuration subcommands

ipv4-in-ipv6 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ipv4-in-ipv6
Element URI	/axapi/v3/ipv4-in-ipv6
Element Attributes	ipv4-in-ipv6_attributes
Partition Visibility	shared
Schema	`ipv4-in-ipv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv4-in-ipv6

ipv4-in-ipv6_attributes

ipv4-in-ipv6 attributes

frag

Description: frag is a **JSON Block**. Please see below for *frag*

Type: Object

Reference Object: */axapi/v3/ipv4-in-ipv6/frag*

frag

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

frag_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded;

'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped; 'first-gtp-packet-too-small': First GTP Fragment Too Small Drop;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

2.66.2 ipv4-in-ipv6 frag

IPv4-in-IPv6 fragmentation parameters

frag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv4-in-ipv6/frag
Element Attributes	frag_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ipv4-in-ipv6/frag/stats
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

```
POST /axapi/v3/ipv4-in-ipv6/frag
Payload:
{
    "frag": {
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

```
GET /axapi/v3/ipv4-in-ipv6/frag
Reponse:
{
    "frag": {
        "uuid": "d0dfefd4-b5bb-11ef-ab13-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/ipv4-in-ipv6/frag"
    }
}
```

Modify Object

POST

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

Replace Object

PUT

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

```
PUT /axapi/v3/ipv4-in-ipv6/frag
Payload:
{
    "frag": {
        "sampling-enable": [
            {
                "counters1": "session-inserted"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv4-in-ipv6/frag

frag attributes

```
DELETE /axapi/v3/ipv4-in-ipv6/frag
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

frag attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag':

Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped; 'first-gtp-packet-too-small': First GTP Fragment Too Small Drop;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

2.66.3 ipv4-in-ipv6 frag stats

Statistics for the object frag

frag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv4-in-ipv6/frag/stats
Element Attributes	frag_attributes
Partition Visibility	None
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv4-in-ipv6/frag/stats

frag attributes

Get Object

GET

/axapi/v3/ipv4-in-ipv6/frag/stats

frag attributes

Modify Object

POST

/axapi/v3/ipv4-in-ipv6/frag/stats

frag attributes

Replace Object

PUT

/axapi/v3/ipv4-in-ipv6/frag/stats

frag attributes

Delete Object

DELETE

/axapi/v3/ipv4-in-ipv6/frag/stats

frag attributes

frag attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad-ip-len

Description Bad IP Length

Type: number

Format: counter

cpu-threshold-drop

Description High CPU Drop

Type: number

Format: counter

duplicate-first-frag

Description Duplicate First Fragment

Type: number

Format: counter

duplicate-last-frag

Description Duplicate Last Fragment

Type: number

Format: counter

error-drop

Description Fragment Processing Drop

Type: number

Format: counter

exceeded-len

Description Payload Length Out of Bounds

Type: number

Format: counter

fast-aging-set

Description Fragmentation Fast Aging Set

Type: number

Format: counter

fast-aging-unset

Description Fragmentation Fast Aging Unset

Type: number

Format: counter

first-gtp-packet-too-small

Description First GTP Fragment Too Small Drop

Type: number

Format: counter

first-l4-too-small

Description First L4 Fragment Too Small Drop

Type: number

Format: counter

first-tcp-too-small

Description First TCP Fragment Too Small Drop

Type: number

Format: counter

fragment-queue-failure

Description Fragment Queue Failure

Type: number

Format: counter

fragment-queue-success

Description Fragment Queue Success

Type: number

Format: counter

high-cpu-threshold

Description High CPU Threshold Reached

Type: number

Format: counter

icmp-dropped

Description ICMP Dropped

Type: number

Format: counter

icmp-rcv

Description ICMP Received

Type: number

Format: counter

icmpv6-dropped

Description ICMPv6 Dropped

Type: number

Format: counter

icmpv6-rcv

Description ICMPv6 Received

Type: number

Format: counter

ipd-entry-drop

Description DDoS Protection Drop

Type: number

Format: counter

ipip-dropped

Description IP-in-IP Dropped

Type: number

Format: counter

ipip-rcv

Description IP-in-IP Received

Type: number

Format: counter

ipv6ip-dropped

Description IPv6-in-IP Dropped

Type: number

Format: counter

ipv6ip-rcv

Description IPv6-in-IP Received

Type: number

Format: counter

low-cpu-threshold

Description Low CPU Threshold Reached

Type: number

Format: counter

max-len-exceeded

Description Fragment Max Data Length Exceeded

Type: number

Format: counter

max-packets-exceeded

Description Too Many Packets Per Reassembly Drop

Type: number

Format: counter

no-session-memory

Description Out of Session Memory

Type: number

Format: counter

other-dropped

Description Other Dropped

Type: number

Format: counter

other-rcv

Description Other Received

Type: number

Format: counter

overlap-error

Description Overlapping Fragment Dropped

Type: number

Format: counter

policy-drop

Description MTU Exceeded Policy Drop

Type: number

Format: counter

reassembly-failure

Description Fragment Reassembly Failure

Type: number

Format: counter

reassembly-success

Description Fragment Reassembly Success

Type: number

Format: counter

sctp-dropped

Description SCTP Dropped

Type: number

Format: counter

sctp-rcv

Description SCTP Received

Type: number

Format: counter

session-expired

Description Session Expired

Type: number

Format: counter

session-inserted

Description Session Inserted

Type: number

Format: counter

session-packets-exceeded

Description Session Max Packets Exceeded

Type: number

Format: counter

tcp-dropped

Description TCP Dropped

Type: number

Format: counter

tcp-rcv

Description TCP Received

Type: number

Format: counter

too-small

Description Fragment Too Small Drop

Type: number

Format: counter

total-fragments-exceeded

Description Total Queued Fragments Exceeded

Type: number

Format: counter

total-sessions-exceeded

Description Total Sessions Exceeded Drop

Type: number

Format: counter

udp-dropped

Description UDP Dropped

Type: number

Format: counter

udp-rcv

Description UDP Received

Type: number

Format: counter

unaligned-len

Description Payload Length Unaligned

Type: number

Format: counter

2.67 ipv6

Objects:

2.67.1 ipv6

Global IP configuration subcommands

ipv6 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ipv6
Element URI	/axapi/v3/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6

ipv6_attributes

ipv6 attributes

access-list-list

Type: List

Reference Object: */axapi/v3/ipv6/access-list/{name}*

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

Reference Object: */axapi/v3/ipv6/address*

default-gateway

Description: default-gateway is a **JSON Block**. Please see below for *default-gateway*

Type: Object

Reference Object: */axapi/v3/ipv6/default-gateway*

fib

Description: fib is a **JSON Block**. Please see below for *fib*

Type: Object

Reference Object: */axapi/v3/ipv6/fib*

fib-summary

Description: fib-summary is a **JSON Block**. Please see below for *fib-summary*

Type: Object

Reference Object: */axapi/v3/ipv6/fib-summary*

frag

Description: frag is a **JSON Block**. Please see below for *frag*

Type: Object

Reference Object: */axapi/v3/ipv6/frag*

icmpv6

Description: icmpv6 is a **JSON Block**. Please see below for *icmpv6*

Type: Object

Reference Object: */axapi/v3/ipv6/icmpv6*

nat

Description: nat is a **JSON Block**. Please see below for *nat*

Type: Object

Reference Object: */axapi/v3/ipv6/nat*

neighbor

Description: neighbor is a **JSON Block**. Please see below for *neighbor*

Type: Object

Reference Object: */axapi/v3/ipv6/neighbor*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/ipv6/ospf*

prefix-list-list

Type: List

Reference Object: */axapi/v3/ipv6/prefix-list/{name}*

reroute

Description: reroute is a **JSON Block**. Please see below for *reroute*

Type: Object

Reference Object: */axapi/v3/ipv6/reroute*

rib

Description: rib is a **JSON Block**. Please see below for *rib*

Type: Object

Reference Object: */axapi/v3/ipv6/rib*

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

Reference Object: */axapi/v3/ipv6/route*

telemetry

Description: telemetry is a **JSON Block**. Please see below for *telemetry*

Type: Object

Reference Object: */axapi/v3/ipv6/telemetry*

unnumbered

Description: unnumbered is a **JSON Block**. Please see below for *unnumbered*

Type: Object

Reference Object: */axapi/v3/ipv6/unnumbered*

frag

Specification	Value
Type	*object*

frag-timeout

Description in milliseconds 4 - 65535 (default is 60000)

Type: number

Range: 4-65535

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

frag_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped; 'first-gtp-packet-too-small': First GTP Fragment Too Small Drop;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

nat

Specification	Value
Type	*object*

icmpv6

Description: icmpv6 is a **JSON Block**. Please see below for *nat_icmpv6*

Type: Object

Reference Object: */axapi/v3/ipv6/nat/icmpv6*

inside

Description: inside is a **JSON Block**. Please see below for *nat_inside*

Type: Object

Reference Object: */axapi/v3/ipv6/nat/inside*

pool-group-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/pool/{pool-name}*

nat_icmpv6

Specification	Value
Type	*object*

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_pool-group-list

Specification	Value
Type	*list*
Block object keys	

member-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat_pool-group-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Failed': some-help-string;

Type: string

Supported Values: all, Failed

nat_pool-group-list_member-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_inside

Specification	Value
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *nat_inside_source*

Type: Object

Reference Object: */axapi/v3/ipv6/nat/inside/source*

nat_inside_source

Specification	Value
Type	*object*

list-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/inside/source/list/{list-name}*

nat_inside_source_list-list

Specification	Value
Type	*list*
Block object keys	

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat_pool-list

Specification	Value
Type	*list*
Block object keys	

chunk-sharing

Description Share NAT pool chunk across CPUs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv6-address

gateway

Description Configure gateway IP

Type: string

Format: ipv6-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: number

Range: 64-128

pool-name

Description Specify pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

nat_pool-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Port-Usage': some help string; 'Total-Used': some help string; 'Total-Freed': some help string; 'Failed': some help string;

Type: string

Supported Values: all, Port-Usage, Total-Used, Total-Freed, Failed

fib-summary

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route

Specification	Value
Type	*object*

rib-list

Type: List

Reference Object: */axapi/v3/ipv6/route/rib/{ipv6-address}*

source

Description: source is a **JSON Block**. Please see below for *route_source*

Type: Object

Reference Object: */axapi/v3/ipv6/route/source*

static

Description: static is a **JSON Block**. Please see below for *route_static*

Type: Object

Reference Object: */axapi/v3/ipv6/route/static*

route_rib-list

Specification	Value
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

ipv6-nexthop-ipv6

Type: List

ipv6-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_rib-list_ipv6-nexthop-tunnel

Specification	Value
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ipv6-nexthop-tunnel-addr

Description Forwarding router's address

Type: string

Format: ipv6-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

route_rib-list_ipv6-nexthop-ipv6

Specification	Value
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ethernet

Description Ethernet interface (Ethernet interface number)

Type: number

Format: interface

ipv6-nexthop

Description Forwarding router's address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ve

Description Virtual Ethernet interface (Virtual Ethernet interface number)

Type: number

Format: interface

route_source

Specification	Value
Type	*object*

lif-list

Type: List

Reference Object: */axapi/v3/ipv6/route/source/lif/{ifname}+{nexthop-ip}*

ve-list

Type: List

Reference Object: */axapi/v3/ipv6/route/source/ve/{ve-num}+{nexthop-ip}*

route_source_lif-list

Specification	Value
Type	*list*
Block object keys	

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

nexthop-ip

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_source_ve-list

Specification	Value
Type	*list*
Block object keys	

nexthop-ip

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description

Type: number

Range: 1-4094

route_static

Specification	Value
Type	*object*

bfd

Description: bfd is a **JSON Block**. Please see below for *route_static_bfd*

Type: Object

Reference Object: */axapi/v3/ipv6/route/static/bfd*

route_static_bfd

Specification	Value
Type	*object*

bfd-ipv6-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}*

ethernet-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}*

trunk-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}*

ve-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}*

route_static_bfd_bfd-ipv6-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_static_bfd_ethernet-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_static_bfd_trunk-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route_static_bfd_ve-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

ospf

Specification	Value
Type	*object*

display-route-single-line

Description Print an entry in single line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list-list

Specification	Value
Type	*list*
Block object keys	

name

Description Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

rules

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access-list-list_rules

Specification	Value
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code, icmp-code, and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type, icmp-type, and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-any,dst-host, dst-subnet, and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eq,dst-gt, dst-lt, and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gt,dst-eq, dst-lt, and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv6-address

Mutual Exclusion: dst-host,dst-any, dst-subnet, and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-lt,dst-eq, dst-gt, and dst-range are mutually exclusive

dst-object-group

Description Destination network object group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-group,dst-any, dst-host, and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-range,dst-eq, dst-gt, and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: dst-subnet,dst-any, dst-host, and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description Specify geo-location name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: geo-location,icmp, tcp, udp, ipv6, and service-obj-group are mutually exclusive

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmp,tcp, udp, ipv6, service-obj-group, and geo-location are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code, any-code, and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type, any-type, and special-type are mutually exclusive

ipv6

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipv6,icmp, tcp, udp, service-obj-group, and geo-location are mutually exclusive

remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-num

Description Sequence Number

Type: number

Range: 1-8192

service-obj-group

Description Service object group (Source object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-group,icmp, tcp, udp, ipv6, and geo-location are mutually exclusive

special-code

Description 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-code, any-code, and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 129, echo reply; 'echo-request': help Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded; 'dest-unreachable': Type 1, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, packet-too-big, param-prob, time-exceeded, dest-unreachable

Mutual Exclusion: special-type, icmp-type, and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-any,src-host, src-subnet, and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eq,src-gt, src-lt, and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gt,src-eq, src-lt, and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv6-address

Mutual Exclusion: src-host,src-any, src-subnet, and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-lt,src-eq, src-gt, and src-range are mutually exclusive

src-object-group

Description Network object group (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-group,src-any, src-host, and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-range,src-eq, src-gt, and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-subnet,src-any, src-host, and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcp,icmp, udp, ipv6, service-obj-group, and geo-location are mutually exclusive

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udp,icmp, tcp, ipv6, service-obj-group, and geo-location are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

fib

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmpv6

Specification	Value
Type	*object*

redirect

Description Disable outbound ICMPv6 redirect messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unreachable

Description Disable outbound ICMPv6 unreachable messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

default-gateway

Specification	Value
Type	*object*

ipv6-default-gateway

Description Default gateway address

Type: string

Format: ipv6-address

Reference Object: */axapi/v3/ipv6/address*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor

Specification	Value
Type	*object*

dynamic

Description: dynamic is a **JSON Block**. Please see below for *neighbor_dynamic*

Type: Object

Reference Object: */axapi/v3/ipv6/neighbor/dynamic*

static-list

Type: List

Reference Object: */axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}*

neighbor_dynamic

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_static-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet, trunk, and tunnel are mutually exclusive

ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

mac

Description MAC Address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk, ethernet, and tunnel are mutually exclusive

tunnel

Description Tunnel interface

Type: number

Range: 1-128

Mutual Exclusion: tunnel, ethernet, and trunk are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

address

Specification	Value
Type	*object*

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: anycast and link-local are mutually exclusive

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: link-local and anycast are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reroute

Specification	Value
Type	*object*

suppress-protocols

Description: suppress-protocols is a **JSON Block**. Please see below for *reroute_suppress-protocols*

Type: Object

Reference Object: */axapi/v3/ipv6/reroute/suppress-protocols*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reroute_suppress-protocols

Specification	Value
Type	*object*

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-list-list

Specification	Value
Type	*list*
Block object keys	

name

Description Name of a prefix list

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-list-list_rules

Specification	Value
Type	*list*
Block object keys	

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

any

Description Any prefix match. Same as "::0/0 le 128"

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Prefix-list specific description (Up to 80 characters describing this prefix-list)

Type: string

Maximum Length: 80 characters

Maximum Length: 1 characters

ge

Description Minimum prefix length to be matched

Type: number

Range: 0-128

ipaddr

Description IPv6 prefix, e.g., 3ffe::/16

Type: string

Format: ipv6-address-plen

le

Description Maximum prefix length to be matched

Type: number

Range: 0-128

seq

Description Sequence number of an entry

Type: number

Range: 1-4294967295

unnumbered

Specification	Value
Type	*object*

use-source-acl

Description Access List, Upon deny packet's source address will be NATed (ACL Name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

use-source-ipv6

Description: use-source-ipv6 is a **JSON Block**. Please see below for *unnumbered_use-source-ipv6*

Type: Object

Reference Object: */axapi/v3/ipv6/unnumbered/use-source-ipv6*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

unnumbered_use-source-ipv6

Specification	Value
Type	*object*

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rib

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.2 ipv6 access-list

Configure a IPv6 Access List

access-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*access-list-list*
Collection URI	/axapi/v3/ipv6/access-list
Element Name	access-list
Element URI	/axapi/v3/ipv6/access-list/{name}
Element Attributes	access-list_attributes
Partition Visibility	shared
Schema	`access-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/access-list

access-list attributes

Create List

POST

/axapi/v3/ipv6/access-list

access-list attributes

Get Object

GET

/axapi/v3/ipv6/access-list/{name}

access-list attributes

Get List

GET

/axapi/v3/ipv6/access-list

access-list-list

Modify Object

POST

/axapi/v3/ipv6/access-list/{name}

access-list attributes

Replace Object

PUT

/axapi/v3/ipv6/access-list/{name}

access-list attributes

Replace List

PUT

/axapi/v3/ipv6/access-list

access-list-list

Delete Object

DELETE

/axapi/v3/ipv6/access-list/{name}

access-list attributes

access-list-list

access-list-list is **JSON List** of *access-list attributes*

access-list-list : [

{ *access-list attributes* },

{ *access-list attributes* },

…

]

access-list attributes

name

Description Named Access List

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

rules

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	Value
Type	*list*
Block object keys	

acl-log

Description Log matches against this entry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action

Description 'deny': Deny; 'permit': Permit; 'l3-vlan-fwd-disable': Disable L3 forwarding between VLANs;

Type: string

Supported Values: deny, permit, l3-vlan-fwd-disable

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code, icmp-code, and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type, icmp-type, and special-type are mutually exclusive

dscp

Description DSCP

Type: number

Range: 1-63

dst-any

Description Any destination host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dst-any,dst-host, dst-subnet, and dst-object-group are mutually exclusive

dst-eq

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-eq,dst-gt, dst-lt, and dst-range are mutually exclusive

dst-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: dst-gt,dst-eq, dst-lt, and dst-range are mutually exclusive

dst-host

Description A single destination host (Host address)

Type: string

Format: ipv6-address

Mutual Exclusion: dst-host,dst-any, dst-subnet, and dst-object-group are mutually exclusive

dst-lt

Description Match only packets with a lesser port number

Type: number

Range: 2-65535

Mutual Exclusion: dst-lt,dst-eq, dst-gt, and dst-range are mutually exclusive

dst-object-group

Description Destination network object group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-object-group,dst-any, dst-host, and dst-subnet are mutually exclusive

dst-port-end

Description Edning Destination Port Number

Type: number

Range: 1-65535

dst-range

Description Match only packets in the range of port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: dst-range,dst-eq, dst-gt, and dst-lt are mutually exclusive

dst-subnet

Description Destination Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: dst-subnet,dst-any, dst-host, and dst-object-group are mutually exclusive

established

Description TCP established

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

fragments

Description IP fragments

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description Specify geo-location name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: geo-location,icmp, tcp, udp, ipv6, and service-obj-group are mutually exclusive

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmp,tcp, udp, ipv6, service-obj-group, and geo-location are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code, any-code, and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type, any-type, and special-type are mutually exclusive

ipv6

Description Any Internet Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipv6,icmp, tcp, udp, service-obj-group, and geo-location are mutually exclusive

remark

Description Access list entry comment (Notes for this ACL)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-num

Description Sequence Number

Type: number

Range: 1-8192

service-obj-group

Description Service object group (Source object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-obj-group,icmp, tcp, udp, ipv6, and geo-location are mutually exclusive

special-code

Description 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-code, any-code, and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 129, echo reply; 'echo-request': help Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded; 'dest-unreachable': Type 1, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, packet-too-big, param-prob, time-exceeded, dest-unreachable

Mutual Exclusion: special-type, icmp-type, and any-type are mutually exclusive

src-any

Description Any source host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: src-any,src-host, src-subnet, and src-object-group are mutually exclusive

src-eq

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

Mutual Exclusion: src-eq,src-gt, src-lt, and src-range are mutually exclusive

src-gt

Description Match only packets with a greater port number

Type: number

Range: 1-65534

Mutual Exclusion: src-gt,src-eq, src-lt, and src-range are mutually exclusive

src-host

Description A single source host (Host address)

Type: string

Format: ipv6-address

Mutual Exclusion: src-host,src-any, src-subnet, and src-object-group are mutually exclusive

src-lt

Description Match only packets with a lower port number

Type: number

Range: 2-65535

Mutual Exclusion: src-lt,src-eq, src-gt, and src-range are mutually exclusive

src-object-group

Description Network object group (Source network object group name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-object-group,src-any, src-host, and src-subnet are mutually exclusive

src-port-end

Description Ending Port Number

Type: number

Range: 1-65535

src-range

Description match only packets in the range of port numbers (Starting Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: src-range,src-eq, src-gt, and src-lt are mutually exclusive

src-subnet

Description Source Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-subnet,src-any, src-host, and src-object-group are mutually exclusive

tcp

Description protocol TCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tcp,icmp, udp, ipv6, service-obj-group, and geo-location are mutually exclusive

trunk

Description Ethernet trunk (trunk number)

Type: number

Format: interface

udp

Description protocol UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: udp,icmp, tcp, ipv6, service-obj-group, and geo-location are mutually exclusive

vlan

Description VLAN ID

Type: number

Range: 1-4094

2.67.3 ipv6 address

Transparent mode IPv6 Address

address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	address
Element URI	/axapi/v3/ipv6/address
Element Attributes	address_attributes
Partition Visibility	shared
Schema	`address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/address

address attributes

```
POST /axapi/v3/ipv6/address
Payload:
{
    "address": {
        "ipv6-address": "fe80::1/64",
        "link-local": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/address

address attributes

```
GET /axapi/v3/ipv6/address
Reponse:
{
    "address": {
        "ipv6-address": "fe80::1/64",
        "link-local": 1,
        "uuid": "50b04814-b5c9-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/address"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/address

address attributes

Replace Object

PUT

/axapi/v3/ipv6/address

address attributes

```
PUT /axapi/v3/ipv6/address
Payload:
{
    "address": {
        "ipv6-address": "2003::1/64",
        "link-local": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/address

address attributes

```
DELETE /axapi/v3/ipv6/address
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

address attributes

anycast

Description Configure an IPv6 anycast address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: anycast and link-local are mutually exclusive

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

link-local

Description Configure an IPv6 link local address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: link-local and anycast are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.4 ipv6 default-gateway

Default gateway address

default-gateway Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	default-gateway
Element URI	/axapi/v3/ipv6/default-gateway
Element Attributes	default-gateway_attributes
Partition Visibility	shared
Schema	`default-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/default-gateway

default-gateway attributes

```
POST /axapi/v3/ipv6/default-gateway
Payload:
{
    "default-gateway": {
        "ipv6-default-gateway": "2003::1"
    }
}
```

Get Object

GET

/axapi/v3/ipv6/default-gateway

default-gateway attributes

```
GET /axapi/v3/ipv6/default-gateway
Reponse:
{
    "default-gateway": {
        "ipv6-default-gateway": "2003::1",
        "uuid": "83448f06-b5c9-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/default-gateway"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/default-gateway

default-gateway attributes

Replace Object

PUT

/axapi/v3/ipv6/default-gateway

default-gateway attributes

```
PUT /axapi/v3/ipv6/default-gateway
Payload:
{
    "default-gateway": {
        "ipv6-default-gateway": "2003::1"
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/default-gateway

default-gateway attributes

```
DELETE /axapi/v3/ipv6/default-gateway
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

default-gateway attributes

ipv6-default-gateway

Description Default gateway address

Type: string

Format: ipv6-address

Reference Object: */axapi/v3/ipv6/address*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.5 ipv6 fib oper

Operational Status for the object fib

fib Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fib
Element URI	/axapi/v3/ipv6/fib/oper
Element Attributes	fib_attributes
Partition Visibility	None
Schema	`fib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/fib/oper

fib attributes

Get Object

GET

/axapi/v3/ipv6/fib/oper

fib attributes

Modify Object

POST

/axapi/v3/ipv6/fib/oper

fib attributes

Replace Object

PUT

/axapi/v3/ipv6/fib/oper

fib attributes

Delete Object

DELETE

/axapi/v3/ipv6/fib/oper

fib attributes

fib attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

IPv6-fib

Type: List

Total_Paths

Description

Type: number

Total_Routes

Description

Type: number

oper_IPv6-fib

Specification	Value
Type	*list*
Block object keys	

Distance

Description

Type: number

Interface

Description

Type: string

Supported Values: Management, ethernet, trunk

Nexthop

Description

Type: string

Prefix

Description

Type: string

PrefixLen

Description

Type: number

2.67.6 ipv6 fib-summary oper

Operational Status for the object fib-summary

fib-summary Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fib-summary
Element URI	/axapi/v3/ipv6/fib-summary/oper
Element Attributes	fib-summary_attributes
Partition Visibility	None
Schema	`fib-summary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/fib-summary/oper

fib-summary attributes

Get Object

GET

/axapi/v3/ipv6/fib-summary/oper

fib-summary attributes

Modify Object

POST

/axapi/v3/ipv6/fib-summary/oper

fib-summary attributes

Replace Object

PUT

/axapi/v3/ipv6/fib-summary/oper

fib-summary attributes

Delete Object

DELETE

/axapi/v3/ipv6/fib-summary/oper

fib-summary attributes

fib-summary attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

connected_routes

Description

Type: number

static_dynamic_paths

Description

Type: number

static_dynamic_routes

Description

Type: number

total_paths

Description

Type: number

total_routes

Description

Type: number

2.67.7 ipv6 frag

IPv6 fragmentation parameters

frag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv6/frag
Element Attributes	frag_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ipv6/frag/stats
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/frag

frag attributes

```
POST /axapi/v3/ipv6/frag
Payload:
{
    "frag": {
        "frag-timeout": 4
    }
}
```

Get Object

GET

/axapi/v3/ipv6/frag

frag attributes

```
GET /axapi/v3/ipv6/frag
Reponse:
{
    "frag": {
        "frag-timeout": 4,
        "uuid": "d0ddafa8-b5bb-11ef-ab13-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/frag"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/frag

frag attributes

Replace Object

PUT

/axapi/v3/ipv6/frag

frag attributes

```
PUT /axapi/v3/ipv6/frag
Payload:
{
    "frag": {
        "frag-timeout": 5
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/frag

frag attributes

```
DELETE /axapi/v3/ipv6/frag
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

frag attributes

frag-timeout

Description in milliseconds 4 - 65535 (default is 60000)

Type: number

Range: 4-65535

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped; 'first-gtp-packet-too-small': First GTP Fragment Too Small Drop;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

2.67.8 ipv6 frag stats

Statistics for the object frag

frag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv6/frag/stats
Element Attributes	frag_attributes
Partition Visibility	None
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/frag/stats

frag attributes

Get Object

GET

/axapi/v3/ipv6/frag/stats

frag attributes

Modify Object

POST

/axapi/v3/ipv6/frag/stats

frag attributes

Replace Object

PUT

/axapi/v3/ipv6/frag/stats

frag attributes

Delete Object

DELETE

/axapi/v3/ipv6/frag/stats

frag attributes

frag attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad-ip-len

Description Bad IP Length

Type: number

Format: counter

cpu-threshold-drop

Description High CPU Drop

Type: number

Format: counter

duplicate-first-frag

Description Duplicate First Fragment

Type: number

Format: counter

duplicate-last-frag

Description Duplicate Last Fragment

Type: number

Format: counter

error-drop

Description Fragment Processing Drop

Type: number

Format: counter

exceeded-len

Description Payload Length Out of Bounds

Type: number

Format: counter

fast-aging-set

Description Fragmentation Fast Aging Set

Type: number

Format: counter

fast-aging-unset

Description Fragmentation Fast Aging Unset

Type: number

Format: counter

first-gtp-packet-too-small

Description First GTP Fragment Too Small Drop

Type: number

Format: counter

first-l4-too-small

Description First L4 Fragment Too Small Drop

Type: number

Format: counter

first-tcp-too-small

Description First TCP Fragment Too Small Drop

Type: number

Format: counter

fragment-queue-failure

Description Fragment Queue Failure

Type: number

Format: counter

fragment-queue-success

Description Fragment Queue Success

Type: number

Format: counter

high-cpu-threshold

Description High CPU Threshold Reached

Type: number

Format: counter

icmp-dropped

Description ICMP Dropped

Type: number

Format: counter

icmp-rcv

Description ICMP Received

Type: number

Format: counter

icmpv6-dropped

Description ICMPv6 Dropped

Type: number

Format: counter

icmpv6-rcv

Description ICMPv6 Received

Type: number

Format: counter

ipd-entry-drop

Description DDoS Protection Drop

Type: number

Format: counter

ipip-dropped

Description IP-in-IP Dropped

Type: number

Format: counter

ipip-rcv

Description IP-in-IP Received

Type: number

Format: counter

ipv6ip-dropped

Description IPv6-in-IP Dropped

Type: number

Format: counter

ipv6ip-rcv

Description IPv6-in-IP Received

Type: number

Format: counter

low-cpu-threshold

Description Low CPU Threshold Reached

Type: number

Format: counter

max-len-exceeded

Description Fragment Max Data Length Exceeded

Type: number

Format: counter

max-packets-exceeded

Description Too Many Packets Per Reassembly Drop

Type: number

Format: counter

no-session-memory

Description Out of Session Memory

Type: number

Format: counter

other-dropped

Description Other Dropped

Type: number

Format: counter

other-rcv

Description Other Received

Type: number

Format: counter

overlap-error

Description Overlapping Fragment Dropped

Type: number

Format: counter

policy-drop

Description MTU Exceeded Policy Drop

Type: number

Format: counter

reassembly-failure

Description Fragment Reassembly Failure

Type: number

Format: counter

reassembly-success

Description Fragment Reassembly Success

Type: number

Format: counter

sctp-dropped

Description SCTP Dropped

Type: number

Format: counter

sctp-rcv

Description SCTP Received

Type: number

Format: counter

session-expired

Description Session Expired

Type: number

Format: counter

session-inserted

Description Session Inserted

Type: number

Format: counter

session-packets-exceeded

Description Session Max Packets Exceeded

Type: number

Format: counter

tcp-dropped

Description TCP Dropped

Type: number

Format: counter

tcp-rcv

Description TCP Received

Type: number

Format: counter

too-small

Description Fragment Too Small Drop

Type: number

Format: counter

total-fragments-exceeded

Description Total Queued Fragments Exceeded

Type: number

Format: counter

total-sessions-exceeded

Description Total Sessions Exceeded Drop

Type: number

Format: counter

udp-dropped

Description UDP Dropped

Type: number

Format: counter

udp-rcv

Description UDP Received

Type: number

Format: counter

unaligned-len

Description Payload Length Unaligned

Type: number

Format: counter

2.67.9 ipv6 icmpv6

Global ICMPv6 commands

icmpv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmpv6
Element URI	/axapi/v3/ipv6/icmpv6
Element Attributes	icmpv6_attributes
Partition Visibility	shared
Schema	`icmpv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

```
POST /axapi/v3/ipv6/icmpv6
Payload:
{
    "icmpv6": {
        "redirect": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

```
GET /axapi/v3/ipv6/icmpv6
Reponse:
{
    "icmpv6": {
        "redirect": 1,
        "unreachable": 0,
        "uuid": "fa95a87e-b5c9-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/icmpv6"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

Replace Object

PUT

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

```
PUT /axapi/v3/ipv6/icmpv6
Payload:
{
    "icmpv6": {
        "redirect": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/icmpv6

icmpv6 attributes

icmpv6 attributes

redirect

Description Disable outbound ICMPv6 redirect messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

unreachable

Description Disable outbound ICMPv6 unreachable messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.10 ipv6 nat

Configure IPv6 NAT

nat Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	nat
Element URI	/axapi/v3/ipv6/nat
Element Attributes	nat_attributes
Partition Visibility	shared
Schema	`nat schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/nat

nat_attributes

nat attributes

icmpv6

Description: icmpv6 is a **JSON Block**. Please see below for *icmpv6*

Type: Object

Reference Object: */axapi/v3/ipv6/nat/icmpv6*

inside

Description: inside is a **JSON Block**. Please see below for *inside*

Type: Object

Reference Object: */axapi/v3/ipv6/nat/inside*

pool-group-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}*

pool-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/pool/{pool-name}*

icmpv6

Specification	Value
Type	*object*

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-group-list

Specification	Value
Type	*list*
Block object keys	

member-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

pool-group-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Failed': some-help-string;

Type: string

Supported Values: all, Failed

pool-group-list_member-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inside

Specification	Value
Type	*object*

source

Description: source is a **JSON Block**. Please see below for *inside_source*

Type: Object

Reference Object: */axapi/v3/ipv6/nat/inside/source*

inside_source

Specification	Value
Type	*object*

list-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/inside/source/list/{list-name}*

inside_source_list-list

Specification	Value
Type	*list*
Block object keys	

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pool-list

Specification	Value
Type	*list*
Block object keys	

chunk-sharing

Description Share NAT pool chunk across CPUs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv6-address

gateway

Description Configure gateway IP

Type: string

Format: ipv6-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: number

Range: 64-128

pool-name

Description Specify pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

pool-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Port-Usage': some help string; 'Total-Used': some help string; 'Total-Freed': some help string; 'Failed': some help string;

Type: string

Supported Values: all, Port-Usage, Total-Used, Total-Freed, Failed

2.67.11 ipv6 nat icmpv6

ICMPv6 configuration for IPv6 NAT

icmpv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmpv6
Element URI	/axapi/v3/ipv6/nat/icmpv6
Element Attributes	icmpv6_attributes
Partition Visibility	shared
Schema	`icmpv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

```
POST /axapi/v3/ipv6/nat/icmpv6
Payload:
{
    "icmpv6": {
        "respond-to-ping": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

```
GET /axapi/v3/ipv6/nat/icmpv6
Reponse:
{
    "icmpv6": {
        "respond-to-ping": 1,
        "uuid": "8b816760-b5d9-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/nat/icmpv6"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

```
PUT /axapi/v3/ipv6/nat/icmpv6
Payload:
{
    "icmpv6": {
        "respond-to-ping": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/nat/icmpv6

icmpv6 attributes

```
DELETE /axapi/v3/ipv6/nat/icmpv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

icmpv6 attributes

respond-to-ping

Description Respond to ICMPv6 echo requests to NAT pool IPs (default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.12 ipv6 nat inside

Inside configuration for IPv6 NAT

inside Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	inside
Element URI	/axapi/v3/ipv6/nat/inside
Element Attributes	inside_attributes
Partition Visibility	shared
Schema	`inside schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/nat/inside

inside_attributes

inside attributes

source

Description: source is a **JSON Block**. Please see below for *source*

Type: Object

Reference Object: */axapi/v3/ipv6/nat/inside/source*

source

Specification	Value
Type	*object*

list-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/inside/source/list/{list-name}*

source_list-list

Specification	Value
Type	*list*
Block object keys	

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.13 ipv6 nat inside source

Source Association

source Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	source
Element URI	/axapi/v3/ipv6/nat/inside/source
Element Attributes	source_attributes
Partition Visibility	shared
Schema	`source schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/nat/inside/source

source_attributes

source attributes

list-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/inside/source/list/{list-name}*

list-list

Specification	Value
Type	*list*
Block object keys	

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.14 ipv6 nat inside source list

IPv6 Access-List

list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*list-name*
Collection Name	*list-list*
Collection URI	/axapi/v3/ipv6/nat/inside/source/list
Element Name	list
Element URI	/axapi/v3/ipv6/nat/inside/source/list/{list-name}
Element Attributes	list_attributes
Partition Visibility	shared
Schema	`list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/inside/source/list

list attributes

```
POST /axapi/v3/ipv6/nat/inside/source/list/
Payload:
{
    "list": {
        "list-name": "a",
        "pool": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/nat/inside/source/list

list attributes

Get Object

GET

/axapi/v3/ipv6/nat/inside/source/list/{list-name}

list attributes

```
GET /axapi/v3/ipv6/nat/inside/source/list/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "list": {
        "list-name": "a",
        "pool": "a",
        "uuid": "e38543b4-b5d9-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/nat/inside/source/list/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/nat/inside/source/list

list-list

Modify Object

POST

/axapi/v3/ipv6/nat/inside/source/list/{list-name}

list attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/inside/source/list/{list-name}

list attributes

```
PUT /axapi/v3/ipv6/nat/inside/source/list/a
Payload:
{
    "list": {
        "list-name": "a",
        "pool": "a"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/nat/inside/source/list

list-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/inside/source/list/{list-name}

list attributes

```
DELETE /axapi/v3/ipv6/nat/inside/source/list/a
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

list-list

list-list is **JSON List** of *list attributes*

list-list : [

{ *list attributes* },

{ *list attributes* },

...

]

list attributes

list-name

Description IPv6 access-list name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

pool

Description IPv6 NAT Pool (Pool Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.15 ipv6 nat pool

IPv6 pool name

pool Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*pool-list*
Collection URI	/axapi/v3/ipv6/nat/pool
Element Name	pool
Element URI	/axapi/v3/ipv6/nat/pool/{pool-name}
Element Attributes	pool_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ipv6/nat/pool/{pool-name}/stats
Operational Data URI	/axapi/v3/ipv6/nat/pool/{pool-name}/oper
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool

pool attributes

```
POST /axapi/v3/ipv6/nat/pool/
Payload:
{
    "pool": {
        "netmask": 64,
        "end-address": "2003::1",
        "start-address": "2003::1",
        "pool-name": "a",
        "gateway": "2003::2"
    }
}
```

Create List

POST

/axapi/v3/ipv6/nat/pool

pool attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

```
GET /axapi/v3/ipv6/nat/pool/a
Reponse:
{
    "pool": {
        "pool-name": "a",
        "start-address": "2003::1",
        "end-address": "2003::1",
        "netmask": 64,
        "gateway": "2003::2",
        "ip-rr": 0,
        "port-overload": 0,
        "chunk-sharing": 0,
        "uuid": "0809258e-b5da-11ef-bb9d-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/nat/pool/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/nat/pool

pool-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

```
PUT /axapi/v3/ipv6/nat/pool/a
Payload:
{
    "pool": {
        "netmask": 64,
        "end-address": "2003::1",
        "start-address": "2003::1",
        "pool-name": "a",
        "vrid": 1
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/nat/pool

pool-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

```
DELETE /axapi/v3/ipv6/nat/pool/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

...

]

pool attributes

chunk-sharing

Description Share NAT pool chunk across CPUs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

end-address

Description Configure end IP address of NAT pool

Type: string

Format: ipv6-address

gateway

Description Configure gateway IP

Type: string

Format: ipv6-address

ip-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netmask

Description Configure mask for pool

Type: number

Range: 64-128

pool-name

Description Specify pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-overload

Description Nat Pool Port overload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

scaleout-device-id

Description Configure Scaleout device id to which this NAT pool is to be bound (Specify Scaleout device id)

Type: number

Range: 1-16

start-address

Description Configure start IP address of NAT pool

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Port-Usage': some help string; 'Total-Used': some help string; 'Total-Freed': some help string; 'Failed': some help string;

Type: string

Supported Values: all, Port-Usage, Total-Used, Total-Freed, Failed

2.67.16 ipv6 nat pool-group

IPv6 pool group name

pool-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*pool-group-name*
Collection Name	*pool-group-list*
Collection URI	/axapi/v3/ipv6/nat/pool-group
Element Name	pool-group
Element URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}
Element Attributes	pool-group_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/stats
Schema	`pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool-group

pool-group attributes

```
POST /axapi/v3/ipv6/nat/pool-group/
Payload:
{
    "pool-group": {
        "pool-group-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/nat/pool-group

pool-group attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
GET /axapi/v3/ipv6/nat/pool-group/a
Reponse:
{
    "pool-group": {
        "pool-group-name": "a",
        "uuid": "4fd56eea-b5da-11ef-bb9d-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/ipv6/nat/pool-group/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/nat/pool-group

pool-group-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
PUT /axapi/v3/ipv6/nat/pool-group/a
Payload:
{
    "pool-group": {
        "pool-group-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/nat/pool-group

pool-group-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

```
DELETE /axapi/v3/ipv6/nat/pool-group/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

pool-group-list

pool-group-list is **JSON List** of *pool-group attributes*

pool-group-list : [

{ *pool-group attributes* },

{ *pool-group attributes* },

...

]

pool-group attributes

member-list

Type: List

Reference Object: */axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}*

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify VRRP-A vrid (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'Failed': some-help-string;

Type: string

Supported Values: all, Failed

member-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.17 ipv6 nat pool-group member

Add a NAT pool to this pool-group

member Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*member-list*
Collection URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member
Element Name	member
Element URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}
Element Attributes	member_attributes
Partition Visibility	shared
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member

member attributes

Create List

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member

member attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Get List

GET

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member

member-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

Replace List

PUT

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member

member-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/member/{pool-name}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

pool-name

Description Specify NAT pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.18 ipv6 nat pool-group stats

Statistics for the object pool-group

pool-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*pool-group-list*
Collection URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}
Element Name	pool-group
Element URI	/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/stats
Element Attributes	pool-group_attributes
Partition Visibility	None
Schema	`pool-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

Create List

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/stats

pool-group attributes

Get List

GET

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/stats

pool-group attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/stats

pool-group attributes

Replace List

PUT

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}

pool-group-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool-group/{pool-group-name}/stats

pool-group attributes

pool-group-list

pool-group-list is **JSON List** of *pool-group attributes*

pool-group-list : [

{ *pool-group attributes* },

{ *pool-group attributes* },

...

]

pool-group attributes

pool-group-name

Description Specify pool group name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

Failed

Description some-help-string

Type: number

Format: counter

2.67.19 ipv6 nat pool oper

Operational Status for the object pool

pool Specification

Parameter	Value
Type	*Collection*
Collection Name	*pool-list*
Collection URI	/axapi/v3/ipv6/nat/pool/{pool-name}
Element Name	pool
Element URI	/axapi/v3/ipv6/nat/pool/{pool-name}/oper
Element Attributes	pool_attributes
Partition Visibility	None
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

Create List

POST

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool/{pool-name}/oper

pool attributes

Get List

GET

/axapi/v3/ipv6/nat/pool/{pool-name}

pool-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool/{pool-name}/oper

pool attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool/{pool-name}/oper

pool attributes

Replace List

PUT

/axapi/v3/ipv6/nat/pool/{pool-name}

pool-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool/{pool-name}/oper

pool attributes

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

…

]

pool attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

pool-name

Description Specify pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Specification	Value
Type	*object*

nat-pool-addr-list

Type: List

oper_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

Address

Description

Type: string

Failed

Description

Type: number

Port-Usage

Description

Type: number

Total-Freed

Description

Type: number

Total-Used

Description

Type: number

2.67.20 ipv6 nat pool stats

Statistics for the object pool

pool Specification

Parameter	Value
Type	*Collection*
Collection Name	*pool-list*
Collection URI	/axapi/v3/ipv6/nat/pool/{pool-name}
Element Name	pool
Element URI	/axapi/v3/ipv6/nat/pool/{pool-name}/stats
Element Attributes	pool_attributes
Partition Visibility	None
Schema	`pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

Create List

POST

/axapi/v3/ipv6/nat/pool/{pool-name}

pool attributes

Get Object

GET

/axapi/v3/ipv6/nat/pool/{pool-name}/stats

pool attributes

Get List

GET

/axapi/v3/ipv6/nat/pool/{pool-name}

pool-list

Modify Object

POST

/axapi/v3/ipv6/nat/pool/{pool-name}/stats

pool attributes

Replace Object

PUT

/axapi/v3/ipv6/nat/pool/{pool-name}/stats

pool attributes

Replace List

PUT

/axapi/v3/ipv6/nat/pool/{pool-name}

pool-list

Delete Object

DELETE

/axapi/v3/ipv6/nat/pool/{pool-name}/stats

pool attributes

pool-list

pool-list is **JSON List** of *pool attributes*

pool-list : [

{ *pool attributes* },

{ *pool attributes* },

...

]

pool attributes

pool-name

Description Specify pool name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

Failed

Description some help string

Type: number

Format: counter

Port-Usage

Description some help string

Type: number

Format: counter

Total-Freed

Description some help string

Type: number

Format: counter

Total-Used

Description some help string

Type: number

Format: counter

2.67.21 ipv6 neighbor

Static IPv6 Neighbor

neighbor Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	neighbor
Element URI	/axapi/v3/ipv6/neighbor
Element Attributes	neighbor_attributes
Partition Visibility	shared
Schema	`neighbor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/neighbor

neighbor_attributes

neighbor attributes

dynamic

Description: dynamic is a **JSON Block**. Please see below for *dynamic*

Type: Object

Reference Object: */axapi/v3/ipv6/neighbor/dynamic*

static-list

Type: List

Reference Object: */axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}*

dynamic

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet, trunk, and tunnel are mutually exclusive

ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

mac

Description MAC Address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk, ethernet, and tunnel are mutually exclusive

tunnel

Description Tunnel interface

Type: number

Range: 1-128

Mutual Exclusion: tunnel, ethernet, and trunk are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

2.67.22 ipv6 neighbor dynamic

dynamic IPv6 Neighbor commands

dynamic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dynamic
Element URI	/axapi/v3/ipv6/neighbor/dynamic
Element Attributes	dynamic_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ipv6/neighbor/dynamic/oper
Schema	`dynamic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

Get Object

GET

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

Modify Object

POST

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

Replace Object

PUT

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

Delete Object

DELETE

/axapi/v3/ipv6/neighbor/dynamic

dynamic attributes

dynamic attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.23 ipv6 neighbor dynamic oper

Operational Status for the object dynamic

dynamic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dynamic
Element URI	/axapi/v3/ipv6/neighbor/dynamic/oper
Element Attributes	dynamic_attributes
Partition Visibility	None
Schema	`dynamic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/neighbor/dynamic/oper

dynamic attributes

Get Object

GET

/axapi/v3/ipv6/neighbor/dynamic/oper

dynamic attributes

Modify Object

POST

/axapi/v3/ipv6/neighbor/dynamic/oper

dynamic attributes

Replace Object

PUT

/axapi/v3/ipv6/neighbor/dynamic/oper

dynamic attributes

Delete Object

DELETE

/axapi/v3/ipv6/neighbor/dynamic/oper

dynamic attributes

dynamic attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

v6neighbor-list

Type: List

oper_v6neighbor-list

Specification	Value
Type	*list*
Block object keys	

Age

Description

Type: number

IPV6-Address

Description

Type: string

Format: ipv6-address

Interface

Description

Type: string

Supported Values: Management, ethernet, trunk

MAC-Address

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

State

Description

Type: string

Type

Description

Type: string

Supported Values: Incomplete, Dynamic, Static

Vlan

Description

Type: number

Range: 1-4094

2.67.24 ipv6 neighbor static

static IPv6 Neighbor commands

static Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-addr, vlan*
Collection Name	*static-list*
Collection URI	/axapi/v3/ipv6/neighbor/static
Element Name	static
Element URI	/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}
Element Attributes	static_attributes
Partition Visibility	shared
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/neighbor/static

static attributes

```
POST /axapi/v3/ipv6/neighbor/static/
Payload:
{
    "static": {
        "mac": "1000.2000.3000",
        "ipv6-addr": "2003::1",
        "vlan": 2,
        "ethernet": 2
    }
}
```

Create List

POST

/axapi/v3/ipv6/neighbor/static

static attributes

Get Object

GET

/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}

static attributes

```
GET /axapi/v3/ipv6/neighbor/static/2003::1+2
Reponse:
{
    "static": {
        "ipv6-addr": "2003::1",
        "mac": "1000.2000.3000",
        "ethernet": 2,
        "vlan": 2,
        "uuid": "80d7654e-b5ca-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/neighbor/static/2003%3A%3A1+2"
    }
}
```

Get List

GET

/axapi/v3/ipv6/neighbor/static

static-list

Modify Object

POST

/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}

static attributes

Replace Object

PUT

/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}

static attributes

```
PUT /axapi/v3/ipv6/neighbor/static/2003::1+2
Payload:
{
    "static": {
        "mac": "1000.2000.3000",
        "ipv6-addr": "2003::1",
        "vlan": 2,
        "ethernet": 2
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/neighbor/static

static-list

Delete Object

DELETE

/axapi/v3/ipv6/neighbor/static/{ipv6-addr}+{vlan}

static attributes

```
DELETE /axapi/v3/ipv6/neighbor/static/2003::1+2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet, trunk, and tunnel are mutually exclusive

ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

mac

Description MAC Address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk, ethernet, and tunnel are mutually exclusive

tunnel

Description Tunnel interface

Type: number

Range: 1-128

Mutual Exclusion: tunnel, ethernet, and trunk are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

2.67.25 ipv6 ospf

Open Shortest Path First (OSPFv3)

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/ipv6/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/ospf

ospf attributes

```
POST /axapi/v3/ipv6/ospf
Payload:
{
    "ospf": {
        "display-route-single-line": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/ospf

ospf attributes

```
GET /axapi/v3/ipv6/ospf
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "ospf": {
        "display-route-single-line": 1,
        "uuid": "bd756c80-b5ca-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/ipv6/ospf

ospf attributes

```
PUT /axapi/v3/ipv6/ospf
Payload:
{
    "ospf": {
        "display-route-single-line": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/ospf

ospf attributes

```
DELETE /axapi/v3/ipv6/ospf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf attributes

display-route-single-line

Description Print an entry in single line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.26 ipv6 prefix-list

Configure Prefix-list

prefix-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*prefix-list-list*
Collection URI	/axapi/v3/ipv6/prefix-list
Element Name	prefix-list
Element URI	/axapi/v3/ipv6/prefix-list/{name}
Element Attributes	prefix-list_attributes
Partition Visibility	shared
Schema	`prefix-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/prefix-list

prefix-list attributes

```
POST /axapi/v3/ipv6/prefix-list/
Payload:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
```

(continues on next page)

(continued from previous page)

```
                "seq": 1,
                "description": "a"
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ipv6/prefix-list

prefix-list attributes

Get Object

GET

/axapi/v3/ipv6/prefix-list/{name}

prefix-list attributes

```
GET /axapi/v3/ipv6/prefix-list/a
Reponse:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 1,
                "description": "a"
            }
        ],
        "uuid": "d994d1c6-b5ca-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/prefix-list/a"
    }
}
```

Get List

GET

/axapi/v3/ipv6/prefix-list

prefix-list-list

Modify Object

POST

/axapi/v3/ipv6/prefix-list/{name}

prefix-list attributes

Replace Object

PUT

/axapi/v3/ipv6/prefix-list/{name}

prefix-list attributes

```
PUT /axapi/v3/ipv6/prefix-list/a
Payload:
{
    "prefix-list": {
        "name": "a",
        "rules": [
            {
                "seq": 2,
                "description": "abc"
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/prefix-list

prefix-list-list

Delete Object

DELETE

/axapi/v3/ipv6/prefix-list/{name}

prefix-list attributes

```
DELETE /axapi/v3/ipv6/prefix-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

prefix-list-list

prefix-list-list is **JSON List** of *prefix-list attributes*

prefix-list-list : [

{ *prefix-list attributes* },

{ *prefix-list attributes* },

...

]

prefix-list attributes

name

Description Name of a prefix list

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	Value
Type	*list*
Block object keys	

action

Description 'deny': Specify packets to reject; 'permit': Specify packets to forward;

Type: string

Supported Values: deny, permit

any

Description Any prefix match. Same as "::0/0 le 128"

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Prefix-list specific description (Up to 80 characters describing this prefix-list)

Type: string

Maximum Length: 80 characters

Maximum Length: 1 characters

ge

Description Minimum prefix length to be matched

Type: number

Range: 0-128

ipaddr

Description IPv6 prefix, e.g., 3ffe::/16

Type: string

Format: ipv6-address-plen

le

Description Maximum prefix length to be matched

Type: number

Range: 0-128

seq

Description Sequence number of an entry

Type: number

Range: 1-4294967295

2.67.27 ipv6 reroute

reroute sessions

reroute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reroute
Element URI	/axapi/v3/ipv6/reroute
Element Attributes	reroute_attributes
Partition Visibility	shared
Schema	`reroute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/reroute

reroute attributes

```
POST /axapi/v3/ipv6/reroute
Payload:
{
    "reroute": {
        "suppress-protocols": {
```

(continues on next page)

(continued from previous page)

```
            "ospf": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/ipv6/reroute

reroute attributes

```
GET /axapi/v3/ipv6/reroute
Reponse:
{
    "reroute": {
        "uuid": "0cb0805a-b5cb-11ef-b932-ae71681635d0",
        "suppress-protocols": {
            "ospf": 1,
            "ebgp": 0,
            "ibgp": 0,
            "static": 0,
            "isis": 0,
            "rip": 0,
            "connected": 0,
            "uuid": "0cb096f8-b5cb-11ef-b932-ae71681635d0",
            "a10-url": "/axapi/v3/ipv6/reroute/suppress-protocols"
        },
        "a10-url": "/axapi/v3/ipv6/reroute"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/reroute

reroute attributes

Replace Object

PUT

/axapi/v3/ipv6/reroute

reroute attributes

Delete Object

DELETE

/axapi/v3/ipv6/reroute

reroute attributes

```
DELETE /axapi/v3/ipv6/reroute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

reroute attributes

suppress-protocols

Description: suppress-protocols is a **JSON Block**. Please see below for *suppress-protocols*

Type: Object

Reference Object: */axapi/v3/ipv6/reroute/suppress-protocols*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

suppress-protocols

Specification	Value
Type	*object*

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.28 ipv6 reroute suppress-protocols

suppress protocols

suppress-protocols Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	suppress-protocols
Element URI	/axapi/v3/ipv6/reroute/suppress-protocols
Element Attributes	suppress-protocols_attributes
Partition Visibility	shared
Schema	`suppress-protocols schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

```
POST /axapi/v3/ipv6/reroute/suppress-protocols
Payload:
{
    "suppress-protocols": {
        "ospf": 1
    }
}
```

Get Object

GET

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

```
GET /axapi/v3/ipv6/reroute/suppress-protocols
Reponse:
{
    "suppress-protocols": {
        "ospf": 1,
        "ebgp": 0,
        "ibgp": 0,
        "static": 0,
        "isis": 0,
        "rip": 0,
        "connected": 0,
        "uuid": "2a198894-b5cb-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/reroute/suppress-protocols"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

Replace Object

PUT

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

```
PUT /axapi/v3/ipv6/reroute/suppress-protocols
Payload:
{
    "suppress-protocols": {
        "uuid": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/reroute/suppress-protocols

suppress-protocols attributes

```
DELETE /axapi/v3/ipv6/reroute/suppress-protocols
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

suppress-protocols attributes

connected

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp

Description EBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ibgp

Description IBGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis

Description ISIS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf

Description OSPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rip

Description RIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.29 ipv6 rib

Establish static routes

rib Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rib
Element URI	/axapi/v3/ipv6/rib
Element Attributes	rib_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ipv6/rib/oper
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/rib

rib attributes

Get Object

GET

/axapi/v3/ipv6/rib

rib attributes

Modify Object

POST

/axapi/v3/ipv6/rib

rib attributes

Replace Object

PUT

/axapi/v3/ipv6/rib

rib attributes

Delete Object

DELETE

/axapi/v3/ipv6/rib

rib attributes

rib attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.30 ipv6 rib oper

Operational Status for the object rib

rib Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rib
Element URI	/axapi/v3/ipv6/rib/oper
Element Attributes	rib_attributes
Partition Visibility	None
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/rib/oper

rib attributes

Get Object

GET

/axapi/v3/ipv6/rib/oper

rib attributes

Modify Object

POST

/axapi/v3/ipv6/rib/oper

rib attributes

Replace Object

PUT

/axapi/v3/ipv6/rib/oper

rib attributes

Delete Object

DELETE

/axapi/v3/ipv6/rib/oper

rib attributes

rib attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Description

Description

Type: string

Format: string-rlx

IPv6-routes

Type: List

Limit

Description

Type: number

Total

Description

Type: number

Total Paths

Description

Type: number

oper_IPv6-routes

Specification	Value
Type	*list*
Block object keys	

Distance

Description

Type: number

Interface

Description

Type: string

Metric

Description

Type: number

Nexthop

Description

Type: string

Format: ipv6-address

Prefix

Description

Type: string

Format: ipv6-address

PrefixLen

Description

Type: number

Subtype

Description

Type: string

Supported Values: inter-area, nssa-type-1, nssa-type-2, external-type-1, external-type-2, level-1, level-2

Type

Description

Type: string

Supported Values: kernel, connected, static, rip, ospf, bgp, isis, vip, selected-vip, ip-nat-list, ip-nat, floating-ip, static-nat, public-ip, a10

2.67.31 ipv6 route

Establish static routes

route Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	route
Element URI	/axapi/v3/ipv6/route
Element Attributes	route_attributes
Partition Visibility	shared
Schema	`route schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/route

route_attributes

route attributes

rib-list

Type: List

Reference Object: */axapi/v3/ipv6/route/rib/{ipv6-address}*

source

Description: source is a **JSON Block**. Please see below for *source*

Type: Object

Reference Object: */axapi/v3/ipv6/route/source*

static

Description: static is a **JSON Block**. Please see below for *static*

Type: Object

Reference Object: */axapi/v3/ipv6/route/static*

rib-list

Specification	Value
Type	*list*
Block object keys	

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

ipv6-nexthop-ipv6

Type: List

ipv6-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rib-list_ipv6-nexthop-tunnel

Specification	Value
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ipv6-nexthop-tunnel-addr

Description Forwarding router's address

Type: string

Format: ipv6-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

rib-list_ipv6-nexthop-ipv6

Specification	Value
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ethernet

Description Ethernet interface (Ethernet interface number)

Type: number

Format: interface

ipv6-nexthop

Description Forwarding router's address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ve

Description Virtual Ethernet interface (Virtual Ethernet interface number)

Type: number

Format: interface

source

Specification	Value
Type	*object*

lif-list

Type: List

Reference Object: */axapi/v3/ipv6/route/source/lif/{ifname}+{nexthop-ip}*

ve-list

Type: List

Reference Object: */axapi/v3/ipv6/route/source/ve/{ve-num}+{nexthop-ip}*

source_lif-list

Specification	Value
Type	*list*
Block object keys	

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

nexthop-ip

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source_ve-list

Specification	Value
Type	*list*
Block object keys	

nexthop-ip

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description

Type: number

Range: 1-4094

static

Specification	Value
Type	*object*

bfd

Description: bfd is a **JSON Block**. Please see below for *static_bfd*

Type: Object

Reference Object: */axapi/v3/ipv6/route/static/bfd*

static_bfd

Specification	Value
Type	*object*

bfd-ipv6-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}*

ethernet-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}*

trunk-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}*

ve-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}*

static_bfd_bfd-ipv6-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static_bfd_ethernet-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static_bfd_trunk-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static_bfd_ve-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

2.67.32 ipv6 route rib

Establish static routes

rib Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-address*
Collection Name	*rib-list*
Collection URI	/axapi/v3/ipv6/route/rib
Element Name	rib
Element URI	/axapi/v3/ipv6/route/rib/{ipv6-address}
Element Attributes	rib_attributes
Partition Visibility	shared
Schema	`rib schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/rib

rib attributes

```
POST /axapi/v3/ipv6/route/rib/
Payload:
{
    "rib": {
        "ipv6-address": "2003::/64",
        "ipv6-nexthop-ipv6": [
            {
                "ipv6-nexthop": "fe80::1",
                "ethernet": 1,
                "distance": 1
            }
        ]
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/rib

rib attributes

Get Object

GET

/axapi/v3/ipv6/route/rib/{ipv6-address}

rib attributes

```
GET /axapi/v3/ipv6/route/rib/2003::%2f64
Reponse:
{
    "rib": {
        "ipv6-address": "2003::/64",
        "ipv6-nexthop-ipv6": [
            {
                "ipv6-nexthop": "fe80::1",
                "ethernet": 1,
                "distance": 1
            }
        ],
        "uuid": "9ab9db1c-b5cb-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/route/rib/2003%3A%3A%2F64"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/rib

rib-list

Modify Object

POST

/axapi/v3/ipv6/route/rib/{ipv6-address}

rib attributes

Replace Object

PUT

/axapi/v3/ipv6/route/rib/{ipv6-address}

rib attributes

```
PUT /axapi/v3/ipv6/route/rib/2003::%2f64
Payload:
{
    "rib": {
        "ipv6-address": "2003::/64",
        "ipv6-nexthop-ipv6": [
            {
                "ipv6-nexthop": "fe80::2",
                "ethernet": 2,
                "distance": 2
            }
        ]
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/rib

rib-list

Delete Object

DELETE

/axapi/v3/ipv6/route/rib/{ipv6-address}

rib attributes

```
DELETE /axapi/v3/ipv6/route/rib/2003::%2f64
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rib-list

rib-list is **JSON List** of *rib attributes*

rib-list : [

{ *rib attributes* },

{ *rib attributes* },

...

]

rib attributes

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address-plen

ipv6-nexthop-ipv6

Type: List

ipv6-nexthop-tunnel

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-nexthop-tunnel

Specification	Value
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance-nexthop-tunnel

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ipv6-nexthop-tunnel-addr

Description Forwarding router's address

Type: string

Format: ipv6-address

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Range: 1-128

ipv6-nexthop-ipv6

Specification	Value
Type	*list*
Block object keys	

description

Description Description for static route

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

distance

Description Distance value for this route

Type: number

Range: 1-255

Default: 1

ethernet

Description Ethernet interface (Ethernet interface number)

Type: number

Format: interface

ipv6-nexthop

Description Forwarding router's address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ve

Description Virtual Ethernet interface (Virtual Ethernet interface number)

Type: number

Format: interface

2.67.33 ipv6 route source

allow source routing

source Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	source
Element URI	/axapi/v3/ipv6/route/source
Element Attributes	source_attributes
Partition Visibility	shared
Schema	`source schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/route/source

source_attributes

source attributes

lif-list

Type: List

Reference Object: */axapi/v3/ipv6/route/source/lif/{ifname}+{nexthop-ip}*

ve-list

Type: List

Reference Object: */axapi/v3/ipv6/route/source/ve/{ve-num}+{nexthop-ip}*

lif-list

Specification	Value
Type	*list*
Block object keys	

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

nexthop-ip

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Specification	Value
Type	*list*
Block object keys	

nexthop-ip

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description

Type: number

Range: 1-4094

2.67.34 ipv6 route source lif

Lif interface

lif Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifname, nexthop-ip*
Collection Name	*lif-list*
Collection URI	/axapi/v3/ipv6/route/source/lif
Element Name	lif
Element URI	/axapi/v3/ipv6/route/source/lif/{ifname}+{nexthop-ip}
Element Attributes	lif_attributes
Partition Visibility	shared
Schema	`lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/source/lif

lif attributes

```
POST /axapi/v3/ipv6/route/source/lif/
Payload:
{
    "lif": {
        "ifname": "a",
        "nexthop-ip": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/source/lif

lif attributes

Get Object

GET

/axapi/v3/ipv6/route/source/lif/{ifname}+{nexthop-ip}

lif attributes

Get List

GET

/axapi/v3/ipv6/route/source/lif

lif-list

Modify Object

POST

/axapi/v3/ipv6/route/source/lif/{ifname}+{nexthop-ip}

lif attributes

Replace Object

PUT

/axapi/v3/ipv6/route/source/lif/{ifname}+{nexthop-ip}

lif attributes

Replace List

PUT

/axapi/v3/ipv6/route/source/lif

lif-list

Delete Object

DELETE

/axapi/v3/ipv6/route/source/lif/{ifname}+{nexthop-ip}

lif attributes

lif-list

lif-list is **JSON List** of *lif attributes*

lif-list : [

{ *lif attributes* },

{ *lif attributes* },

...

]

lif attributes

ifname

Description Lif interface name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

nexthop-ip

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.35 ipv6 route source ve

Source ve

ve Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ve-num, nexthop-ip*
Collection Name	*ve-list*
Collection URI	/axapi/v3/ipv6/route/source/ve
Element Name	ve
Element URI	/axapi/v3/ipv6/route/source/ve/{ve-num}+{nexthop-ip}
Element Attributes	ve_attributes
Partition Visibility	shared
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/source/ve

ve attributes

```
POST /axapi/v3/ipv6/route/source/ve/
Payload:
{
    "ve": {
        "nexthop-ip": "2003::1",
        "ve-num": 1
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/source/ve

ve attributes

Get Object

GET

/axapi/v3/ipv6/route/source/ve/{ve-num}+{nexthop-ip}

ve attributes

Get List

GET

/axapi/v3/ipv6/route/source/ve

ve-list

Modify Object

POST

/axapi/v3/ipv6/route/source/ve/{ve-num}+{nexthop-ip}

ve attributes

Replace Object

PUT

/axapi/v3/ipv6/route/source/ve/{ve-num}+{nexthop-ip}

ve attributes

Replace List

PUT

/axapi/v3/ipv6/route/source/ve

ve-list

Delete Object

DELETE

/axapi/v3/ipv6/route/source/ve/{ve-num}+{nexthop-ip}

ve attributes

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

nexthop-ip

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description

Type: number

Range: 1-4094

2.67.36 ipv6 route static

Allow static routes

static Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	static
Element URI	/axapi/v3/ipv6/route/static
Element Attributes	static_attributes
Partition Visibility	shared
Schema	`static schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/route/static

static_attributes

static attributes

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Reference Object: */axapi/v3/ipv6/route/static/bfd*

bfd

Specification	Value
Type	*object*

bfd-ipv6-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}*

ethernet-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}*

trunk-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}*

ve-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}*

bfd_bfd-ipv6-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_ethernet-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_trunk-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_ve-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

2.67.37 ipv6 route static bfd

Bidirectional Forwarding Detection

bfd Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	bfd
Element URI	/axapi/v3/ipv6/route/static/bfd
Element Attributes	bfd_attributes
Partition Visibility	shared
Schema	`bfd schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6/route/static/bfd

bfd_attributes

bfd attributes

bfd-ipv6-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}*

ethernet-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}*

trunk-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}*

ve-list

Type: List

Reference Object: */axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}*

bfd-ipv6-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

2.67.38 ipv6 route static bfd bfd-ipv6

Bidirectional Forwarding Detection

bfd-ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*local-ipv6, nexthop-ipv6*
Collection Name	*bfd-ipv6-list*
Collection URI	/axapi/v3/ipv6/route/static/bfd/bfd-ipv6
Element Name	bfd-ipv6
Element URI	/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}
Element Attributes	bfd-ipv6_attributes
Partition Visibility	shared
Schema	`bfd-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6

bfd-ipv6 attributes

```
POST /axapi/v3/ipv6/route/static/bfd/bfd-ipv6/
Payload:
{
    "bfd-ipv6": {
        "local-ipv6": "2003::1",
        "nexthop-ipv6": "2003::2",
        "threshold": 1,
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6

bfd-ipv6 attributes

Get Object

GET

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}

bfd-ipv6 attributes

```
GET /axapi/v3/ipv6/route/static/bfd/bfd-ipv6/2003::1+2003::2
Reponse:
{
    "bfd-ipv6": {
        "local-ipv6": "2003::1",
        "nexthop-ipv6": "2003::2",
        "template": "a",
        "threshold": 1,
        "action": "down",
        "uuid": "8af47844-b5cc-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/2003%3A%3A1+2003%3A%3A2"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6

bfd-ipv6-list

Modify Object

POST

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}

bfd-ipv6 attributes

Replace Object

PUT

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}

bfd-ipv6 attributes

```
PUT /axapi/v3/ipv6/route/static/bfd/bfd-ipv6/2003::1+2003::2
Payload:
{
    "bfd-ipv6": {
        "local-ipv6": "2003::1",
        "nexthop-ipv6": "2003::2",
        "threshold": 2,
        "action": "down",
        "template": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6

bfd-ipv6-list

Delete Object

DELETE

/axapi/v3/ipv6/route/static/bfd/bfd-ipv6/{local-ipv6}+{nexthop-ipv6}

bfd-ipv6 attributes

```
DELETE /axapi/v3/ipv6/route/static/bfd/bfd-ipv6/2003::1+2003::2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bfd-ipv6-list

bfd-ipv6-list is **JSON List** of *bfd-ipv6 attributes*

bfd-ipv6-list : [

{ *bfd-ipv6 attributes* },

{ *bfd-ipv6 attributes* },

...

]

bfd-ipv6 attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

local-ipv6

Description Local IPv6 address

Type: string

Format: ipv6-address

nexthop-ipv6

Description Nexthop IPv6 address

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.39 ipv6 route static bfd ethernet

Ethernet interface

ethernet Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*eth-num, nexthop-ipv6-ll*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/ipv6/route/static/bfd/ethernet
Element Name	ethernet
Element URI	/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}
Element Attributes	ethernet_attributes
Partition Visibility	shared
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/static/bfd/ethernet

ethernet attributes

```
POST /axapi/v3/ipv6/route/static/bfd/ethernet/
Payload:
{
    "ethernet": {
        "eth-num": 1,
        "nexthop-ipv6-ll": "fe80::1",
        "threshold": 1,
```

(continues on next page)

(continued from previous page)

```
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/static/bfd/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}

ethernet attributes

```
GET /axapi/v3/ipv6/route/static/bfd/ethernet/1+fe80::1
Reponse:
{
    "ethernet": {
        "eth-num": 1,
        "nexthop-ipv6-ll": "fe80::1",
        "template": "a",
        "threshold": 1,
        "action": "down",
        "uuid": "aef5bd52-b5cc-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/route/static/bfd/ethernet/1+fe80%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/static/bfd/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}

ethernet attributes

Replace Object

PUT

/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}

ethernet attributes

```
PUT /axapi/v3/ipv6/route/static/bfd/ethernet/1+fe80::1
Payload:
{
    "ethernet": {
        "eth-num": 1,
        "nexthop-ipv6-ll": "fe80::1",
        "threshold": 2,
        "action": "down",
        "template": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/static/bfd/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/ipv6/route/static/bfd/ethernet/{eth-num}+{nexthop-ipv6-ll}

ethernet attributes

```
DELETE /axapi/v3/ipv6/route/static/bfd/ethernet/1+fe80::1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

ethernet-list : [

{ *ethernet attributes* },

{ *ethernet attributes* },

...

]

ethernet attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

eth-num

Description Ethernet (not a member of vlan or trunk)

Type: number

Range: 0-2147483647

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.40 ipv6 route static bfd trunk

Trunk interface

trunk Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*trunk-num, nexthop-ipv6-ll*
Collection Name	*trunk-list*
Collection URI	/axapi/v3/ipv6/route/static/bfd/trunk
Element Name	trunk
Element URI	/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}
Element Attributes	trunk_attributes
Partition Visibility	shared
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/static/bfd/trunk

trunk attributes

```
POST /axapi/v3/ipv6/route/static/bfd/trunk/
Payload:
{
    "trunk": {
        "nexthop-ipv6-ll": "fe80::1",
        "trunk-num": 1,
        "threshold": 1,
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/static/bfd/trunk

trunk attributes

Get Object

GET

/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}

trunk attributes

```
GET /axapi/v3/ipv6/route/static/bfd/trunk/1+fe80::1
Reponse:
{
    "trunk": {
        "trunk-num": 1,
```

(continues on next page)

(continued from previous page)

```
        "nexthop-ipv6-ll": "fe80::1",
        "template": "a",
        "threshold": 1,
        "action": "down",
        "uuid": "d54aafa8-b5cc-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/route/static/bfd/trunk/1+fe80%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/static/bfd/trunk

trunk-list

Modify Object

POST

/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}

trunk attributes

Replace Object

PUT

/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}

trunk attributes

```
PUT /axapi/v3/ipv6/route/static/bfd/trunk/1+fe80::1
Payload:
{
    "trunk": {
        "nexthop-ipv6-ll": "fe80::1",
        "trunk-num": 1,
        "threshold": 2,
        "action": "down",
        "template": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/static/bfd/trunk

trunk-list

Delete Object

DELETE

/axapi/v3/ipv6/route/static/bfd/trunk/{trunk-num}+{nexthop-ipv6-ll}

trunk attributes

```
DELETE /axapi/v3/ipv6/route/static/bfd/trunk/1+fe80::1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

trunk-list

trunk-list is **JSON List** of *trunk attributes*

trunk-list : [

{ *trunk attributes* },

{ *trunk attributes* },

...

]

trunk attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

trunk-num

Description Trunk interface

Type: number

Range: 1-4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.41 ipv6 route static bfd ve

Virtual ethernet interface

ve Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ve-num, nexthop-ipv6-ll*
Collection Name	*ve-list*
Collection URI	/axapi/v3/ipv6/route/static/bfd/ve
Element Name	ve
Element URI	/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}
Element Attributes	ve_attributes
Partition Visibility	shared
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/route/static/bfd/ve

ve attributes

```
POST /axapi/v3/ipv6/route/static/bfd/ve/
Payload:
{
    "ve": {
        "nexthop-ipv6-ll": "fe80::1",
        "ve-num": 2,
        "threshold": 1,
        "action": "down",
        "template": "a"
    }
}
```

Create List

POST

/axapi/v3/ipv6/route/static/bfd/ve

ve attributes

Get Object

GET

/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}

ve attributes

```
GET /axapi/v3/ipv6/route/static/bfd/ve/2+fe80::1
Reponse:
{
    "ve": {
        "ve-num": 2,
        "nexthop-ipv6-ll": "fe80::1",
        "template": "a",
        "threshold": 1,
        "action": "down",
        "uuid": "fbf8c7f2-b5cc-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/route/static/bfd/ve/2+fe80%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/ipv6/route/static/bfd/ve

ve-list

Modify Object

POST

/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}

ve attributes

Replace Object

PUT

/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}

ve attributes

```
PUT /axapi/v3/ipv6/route/static/bfd/ve/2+fe80::1
Payload:
{
    "ve": {
        "nexthop-ipv6-ll": "fe80::1",
        "ve-num": 2,
```

(continues on next page)

(continued from previous page)

```
        "threshold": 2,
        "action": "down",
        "template": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/ipv6/route/static/bfd/ve

ve-list

Delete Object

DELETE

/axapi/v3/ipv6/route/static/bfd/ve/{ve-num}+{nexthop-ipv6-ll}

ve attributes

```
DELETE /axapi/v3/ipv6/route/static/bfd/ve/2+fe80::1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

action

Description 'down': BFD down; (BFD state)

Type: string

Supported Values: down

nexthop-ipv6-ll

Description Nexthop IPv6 address (Link-local)

Type: string

Format: ipv6-address

template

Description Configure tracking template (bind tracking template name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold

Description action triggering threshold

Type: number

Range: 1-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description Virtual ethernet interface

Type: number

Range: 2-4094

2.67.42 ipv6 telemetry

IPv6 telemetry table

telemetry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	telemetry
Element URI	/axapi/v3/ipv6/telemetry
Element Attributes	telemetry_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ipv6/telemetry/oper
Schema	`telemetry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/telemetry

telemetry attributes

Get Object

GET

/axapi/v3/ipv6/telemetry

telemetry attributes

Modify Object

POST

/axapi/v3/ipv6/telemetry

telemetry attributes

Replace Object

PUT

/axapi/v3/ipv6/telemetry

telemetry attributes

Delete Object

DELETE

/axapi/v3/ipv6/telemetry

telemetry attributes

telemetry attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.43 ipv6 telemetry oper

Operational Status for the object telemetry

telemetry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	telemetry
Element URI	/axapi/v3/ipv6/telemetry/oper
Element Attributes	telemetry_attributes
Partition Visibility	None
Schema	`telemetry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/telemetry/oper

telemetry attributes

Get Object

GET

/axapi/v3/ipv6/telemetry/oper

telemetry attributes

Modify Object

POST

/axapi/v3/ipv6/telemetry/oper

telemetry attributes

Replace Object

PUT

/axapi/v3/ipv6/telemetry/oper

telemetry attributes

Delete Object

DELETE

/axapi/v3/ipv6/telemetry/oper

telemetry attributes

telemetry attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Total

Description

Type: number

db

Type: List

oper_db

Specification	Value
Type	*list*
Block object keys	

class-list-id

Description

Type: number

class-list-name

Description

Type: string

ipv6-nexthop

Description

Type: string

ipv6_addr

Description

Type: string

net-mask-len

Description

Type: number

origin_as

Description

Type: number

peer_as

Description

Type: number

zone-name

Description

Type: string

2.67.44 ipv6 unnumbered

unnumbered feature

unnumbered Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	unnumbered
Element URI	/axapi/v3/ipv6/unnumbered
Element Attributes	unnumbered_attributes
Partition Visibility	shared
Schema	`unnumbered schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/unnumbered

unnumbered attributes

```
POST /axapi/v3/ipv6/unnumbered
Payload:
{
    "unnumbered": {
        "use-source-acl": "a"
    }
}
```

Get Object

GET

/axapi/v3/ipv6/unnumbered

unnumbered attributes

```
GET /axapi/v3/ipv6/unnumbered
Reponse:
{
    "unnumbered": {
        "use-source-acl": "a",
        "uuid": "3b6ee3b2-b5cd-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/unnumbered"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/unnumbered

unnumbered attributes

Replace Object

PUT

/axapi/v3/ipv6/unnumbered

unnumbered attributes

```
PUT /axapi/v3/ipv6/unnumbered
Payload:
{
    "unnumbered": {
        "use-source-acl": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/unnumbered

unnumbered attributes

```
DELETE /axapi/v3/ipv6/unnumbered
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

unnumbered attributes

use-source-acl

Description Access List, Upon deny packet's source address will be NATed (ACL Name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

use-source-ipv6

Description: use-source-ipv6 is a **JSON Block**. Please see below for *use-source-ipv6*

Type: Object

Reference Object: */axapi/v3/ipv6/unnumbered/use-source-ipv6*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-source-ipv6

Specification	Value
Type	*object*

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.67.45 ipv6 unnumbered use-source-ipv6

Source IPv6 address

use-source-ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	use-source-ipv6
Element URI	/axapi/v3/ipv6/unnumbered/use-source-ipv6
Element Attributes	use-source-ipv6_attributes
Partition Visibility	shared
Schema	`use-source-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

```
POST /axapi/v3/ipv6/unnumbered/use-source-ipv6
Payload:
{
    "use-source-ipv6": {
        "update-source-ipv6": "2003::1"
    }
}
```

Get Object

GET

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

```
GET /axapi/v3/ipv6/unnumbered/use-source-ipv6
Reponse:
{
    "use-source-ipv6": {
        "update-source-ipv6": "2003::1",
        "uuid": "5e9d9086-b5cd-11ef-b932-ae71681635d0",
        "a10-url": "/axapi/v3/ipv6/unnumbered/use-source-ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

Replace Object

PUT

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

```
PUT /axapi/v3/ipv6/unnumbered/use-source-ipv6
Payload:
{
    "use-source-ipv6": {
        "update-source-ipv6": "2003::1"
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6/unnumbered/use-source-ipv6

use-source-ipv6 attributes

```
DELETE /axapi/v3/ipv6/unnumbered/use-source-ipv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

use-source-ipv6 attributes

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.68 ipv6-in-ipv4

Objects:

2.68.1 ipv6-in-ipv4

Global IPv4-in-IPv6 configuration subcommands

ipv6-in-ipv4 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ipv6-in-ipv4
Element URI	/axapi/v3/ipv6-in-ipv4
Element Attributes	ipv6-in-ipv4_attributes
Partition Visibility	shared
Schema	`ipv6-in-ipv4 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ipv6-in-ipv4

ipv6-in-ipv4_attributes

ipv6-in-ipv4 attributes

frag

Description: frag is a **JSON Block**. Please see below for *frag*

Type: Object

Reference Object: */axapi/v3/ipv6-in-ipv4/frag*

frag

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

frag_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped; 'first-gtp-packet-too-small': First GTP Fragment Too Small Drop;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success, max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

2.68.2 ipv6-in-ipv4 frag

IPv6-in-IPv4 fragmentation parameters

frag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv6-in-ipv4/frag
Element Attributes	frag_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ipv6-in-ipv4/frag/stats
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

```
POST /axapi/v3/ipv6-in-ipv4/frag
Payload:
{
    "frag": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

```
GET /axapi/v3/ipv6-in-ipv4/frag
Reponse:
{
    "frag": {
        "uuid": "d0dff1be-b5bb-11ef-ab13-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "a10-url": "/axapi/v3/ipv6-in-ipv4/frag"
    }
}
```

Modify Object

POST

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

Replace Object

PUT

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

```
PUT /axapi/v3/ipv6-in-ipv4/frag
Payload:
{
    "frag": {
        "sampling-enable": [
            {
                "counters1": "session-inserted"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/ipv6-in-ipv4/frag

frag attributes

```
DELETE /axapi/v3/ipv6-in-ipv4/frag
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

frag attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'session-inserted': Session Inserted; 'session-expired': Session Expired; 'icmp-rcv': ICMP Received; 'icmpv6-rcv': ICMPv6 Received; 'udp-rcv': UDP Received; 'tcp-rcv': TCP Received; 'ipip-rcv': IP-in-IP Received; 'ipv6ip-rcv': IPv6-in-IP Received; 'other-rcv': Other Received; 'icmp-dropped': ICMP Dropped; 'icmpv6-dropped': ICMPv6 Dropped; 'udp-dropped': UDP Dropped; 'tcp-dropped': TCP Dropped; 'ipip-dropped': IP-in-IP Dropped; 'ipv6ip-dropped': IPv6-in-IP Dropped; 'other-dropped': Other Dropped; 'overlap-error': Overlapping Fragment Dropped; 'bad-ip-len': Bad IP Length; 'too-small': Fragment Too Small Drop; 'first-tcp-too-small': First TCP Fragment Too Small Drop; 'first-l4-too-small': First L4 Fragment Too Small Drop; 'total-sessions-exceeded': Total Sessions Exceeded Drop; 'no-session-memory': Out of Session Memory; 'fast-aging-set': Fragmentation Fast Aging Set; 'fast-aging-unset': Fragmentation Fast Aging Unset; 'fragment-queue-success': Fragment Queue Success; 'unaligned-len': Payload Length Unaligned; 'exceeded-len': Payload Length Out of Bounds; 'duplicate-first-frag': Duplicate First Fragment; 'duplicate-last-frag': Duplicate Last Fragment; 'total-fragments-exceeded': Total Queued Fragments Exceeded; 'fragment-queue-failure': Fragment Queue Failure; 'reassembly-success': Fragment Reassembly Success; 'max-len-exceeded': Fragment Max Data Length Exceeded; 'reassembly-failure': Fragment Reassembly Failure; 'policy-drop': MTU Exceeded Policy Drop; 'error-drop': Fragment Processing Drop; 'high-cpu-threshold': High CPU Threshold Reached; 'low-cpu-threshold': Low CPU Threshold Reached; 'cpu-threshold-drop': High CPU Drop; 'ipd-entry-drop': DDoS Protection Drop; 'max-packets-exceeded': Too Many Packets Per Reassembly Drop; 'session-packets-exceeded': Session Max Packets Exceeded; 'frag-session-count': Fragmentation Session Count; 'sctp-rcv': SCTP Received; 'sctp-dropped': SCTP Dropped; 'first-gtp-packet-too-small': First GTP Fragment Too Small Drop;

Type: string

Supported Values: all, session-inserted, session-expired, icmp-rcv, icmpv6-rcv, udp-rcv, tcp-rcv, ipip-rcv, ipv6ip-rcv, other-rcv, icmp-dropped, icmpv6-dropped, udp-dropped, tcp-dropped, ipip-dropped, ipv6ip-dropped, other-dropped, overlap-error, bad-ip-len, too-small, first-tcp-too-small, first-l4-too-small, total-sessions-exceeded, no-session-memory, fast-aging-set, fast-aging-unset, fragment-queue-success, unaligned-len, exceeded-len, duplicate-first-frag, duplicate-last-frag, total-fragments-exceeded, fragment-queue-failure, reassembly-success,

max-len-exceeded, reassembly-failure, policy-drop, error-drop, high-cpu-threshold, low-cpu-threshold, cpu-threshold-drop, ipd-entry-drop, max-packets-exceeded, session-packets-exceeded, frag-session-count, sctp-rcv, sctp-dropped, first-gtp-packet-too-small

2.68.3 ipv6-in-ipv4 frag stats

Statistics for the object frag

frag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	frag
Element URI	/axapi/v3/ipv6-in-ipv4/frag/stats
Element Attributes	frag_attributes
Partition Visibility	None
Schema	`frag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ipv6-in-ipv4/frag/stats

frag attributes

Get Object

GET

/axapi/v3/ipv6-in-ipv4/frag/stats

frag attributes

Modify Object

POST

/axapi/v3/ipv6-in-ipv4/frag/stats

frag attributes

Replace Object

PUT

/axapi/v3/ipv6-in-ipv4/frag/stats

frag attributes

Delete Object

DELETE

/axapi/v3/ipv6-in-ipv4/frag/stats

frag attributes

frag attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad-ip-len

Description Bad IP Length

Type: number

Format: counter

cpu-threshold-drop

Description High CPU Drop

Type: number

Format: counter

duplicate-first-frag

Description Duplicate First Fragment

Type: number

Format: counter

duplicate-last-frag

Description Duplicate Last Fragment

Type: number

Format: counter

error-drop

Description Fragment Processing Drop

Type: number

Format: counter

exceeded-len

Description Payload Length Out of Bounds

Type: number

Format: counter

fast-aging-set

Description Fragmentation Fast Aging Set

Type: number

Format: counter

fast-aging-unset

Description Fragmentation Fast Aging Unset

Type: number

Format: counter

first-gtp-packet-too-small

Description First GTP Fragment Too Small Drop

Type: number

Format: counter

first-l4-too-small

Description First L4 Fragment Too Small Drop

Type: number

Format: counter

first-tcp-too-small

Description First TCP Fragment Too Small Drop

Type: number

Format: counter

fragment-queue-failure

Description Fragment Queue Failure

Type: number

Format: counter

fragment-queue-success

Description Fragment Queue Success

Type: number

Format: counter

high-cpu-threshold

Description High CPU Threshold Reached

Type: number

Format: counter

icmp-dropped

Description ICMP Dropped

Type: number

Format: counter

icmp-rcv

Description ICMP Received

Type: number

Format: counter

icmpv6-dropped

Description ICMPv6 Dropped

Type: number

Format: counter

icmpv6-rcv

Description ICMPv6 Received

Type: number

Format: counter

ipd-entry-drop

Description DDoS Protection Drop

Type: number

Format: counter

ipip-dropped

Description IP-in-IP Dropped

Type: number

Format: counter

ipip-rcv

Description IP-in-IP Received

Type: number

Format: counter

ipv6ip-dropped

Description IPv6-in-IP Dropped

Type: number

Format: counter

ipv6ip-rcv

Description IPv6-in-IP Received

Type: number

Format: counter

low-cpu-threshold

Description Low CPU Threshold Reached

Type: number

Format: counter

max-len-exceeded

Description Fragment Max Data Length Exceeded

Type: number

Format: counter

max-packets-exceeded

Description Too Many Packets Per Reassembly Drop

Type: number

Format: counter

no-session-memory

Description Out of Session Memory

Type: number

Format: counter

other-dropped

Description Other Dropped

Type: number

Format: counter

other-rcv

Description Other Received

Type: number

Format: counter

overlap-error

Description Overlapping Fragment Dropped

Type: number

Format: counter

policy-drop

Description MTU Exceeded Policy Drop

Type: number

Format: counter

reassembly-failure

Description Fragment Reassembly Failure

Type: number

Format: counter

reassembly-success

Description Fragment Reassembly Success

Type: number

Format: counter

sctp-dropped

Description SCTP Dropped

Type: number

Format: counter

sctp-rcv

Description SCTP Received

Type: number

Format: counter

session-expired

Description Session Expired

Type: number

Format: counter

session-inserted

Description Session Inserted

Type: number

Format: counter

session-packets-exceeded

Description Session Max Packets Exceeded

Type: number

Format: counter

tcp-dropped

Description TCP Dropped

Type: number

Format: counter

tcp-rcv

Description TCP Received

Type: number

Format: counter

too-small

Description Fragment Too Small Drop

Type: number

Format: counter

total-fragments-exceeded

Description Total Queued Fragments Exceeded

Type: number

Format: counter

total-sessions-exceeded

Description Total Sessions Exceeded Drop

Type: number

Format: counter

udp-dropped

Description UDP Dropped

Type: number

Format: counter

udp-rcv

Description UDP Received

Type: number

Format: counter

unaligned-len

Description Payload Length Unaligned

Type: number

Format: counter

2.69 key

Objects:

2.69.1 key

Authentication key management

key Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*key-chain-flag, key-chain-name*
Collection Name	*key-list*
Collection URI	/axapi/v3/key
Element Name	key
Element URI	/axapi/v3/key/{key-chain-flag}+{key-chain-name}
Element Attributes	key_attributes
Partition Visibility	shared
Schema	`key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/key

key attributes

```
POST /axapi/v3/key/
Payload:
{
    "key": {
        "key-chain-flag": 1,
        "key-chain-name": "a"
    }
}
```

Create List

POST

/axapi/v3/key

key attributes

Get Object

GET

/axapi/v3/key/{key-chain-flag}+{key-chain-name}

key attributes

```
GET /axapi/v3/key/1+a
Reponse:
{
    "key": {
        "key-chain-flag": 1,
        "key-chain-name": "a",
        "uuid": "ba4d0a8a-b6ca-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/key/1+a"
    }
}
```

Get List

GET

/axapi/v3/key

key-list

Modify Object

POST

/axapi/v3/key/{key-chain-flag}+{key-chain-name}

key attributes

Replace Object

PUT

/axapi/v3/key/{key-chain-flag}+{key-chain-name}

key attributes

```
PUT /axapi/v3/key/1+a
Payload:
{
    "key": {
        "key-chain-flag": 1,
        "key-chain-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/key

key-list

Delete Object

DELETE

/axapi/v3/key/{key-chain-flag}+{key-chain-name}

key attributes

```
DELETE /axapi/v3/key/1+a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

key-list

key-list is **JSON List** of *key attributes*

key-list : [

{ *key attributes* },

{ *key attributes* },

...

]

key attributes

key-chain-flag

Description Key-chain management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-chain-name

Description Key-chain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

key-list

Type: List

Reference Object: */axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

key-list

Specification	Value
Type	*list*
Block object keys	

key-number

Description Key identifier number

Type: number

Range: 1-255

key-string

Description Set key string (The key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.69.2 key key

Configure a key

key Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*key-number*
Collection Name	*key-list*
Collection URI	/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key
Element Name	key
Element URI	/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}
Element Attributes	key_attributes
Partition Visibility	shared
Schema	`key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key

key attributes

Create List

POST

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key

key attributes

Get Object

GET

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}

key attributes

Get List

GET

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key

key-list

Modify Object

POST

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}

key attributes

Replace Object

PUT

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}

key attributes

Replace List

PUT

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key

key-list

Delete Object

DELETE

/axapi/v3/key/{key-chain-flag}+{key-chain-name}/key/{key-number}

key attributes

key-list

key-list is **JSON List** of *key attributes*

key-list : [

{ *key attributes* },

{ *key attributes* },

...

]

key attributes

key-number

Description Key identifier number

Type: number

Range: 1-255

key-string

Description Set key string (The key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.70 ldap-server

Objects:

2.70.1 ldap-server

Configure LDAP server information

ldap-server Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ldap-server
Element URI	/axapi/v3/ldap-server
Element Attributes	ldap-server_attributes
Partition Visibility	shared
Schema	`ldap-server schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ldap-server

ldap-server_attributes

ldap-server attributes

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Reference Object: */axapi/v3/ldap-server/host*

host

Specification	Value
Type	*object*

ipv4-list

Type: List

Reference Object: */axapi/v3/ldap-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Reference Object: */axapi/v3/ldap-server/host/ipv6/{ipv6-addr}*

ldap-hostname-list

Type: List

Reference Object: */axapi/v3/ldap-server/host/ldap-hostname/{hostname}*

host_ldap-hostname-list

Specification	Value
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *host_ldap-hostname-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

hostname

Description Hostname of LDAP server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

hostname-cfg

Description: hostname-cfg is a **JSON Block**. Please see below for *host_ldap-hostname-list_hostname-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ldap-hostname-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ldap-hostname-list_hostname-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ldap-hostname-list_port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ldap-hostname-list_domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv4-list

Specification	Value
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *host_ipv4-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv4-addr

Description IPV4 address of ldap server

Type: string

Format: ipv4-address

ipv4-addr-cfg

Description: ipv4-addr-cfg is a **JSON Block**. Please see below for *host_ipv4-list_ipv4-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv4-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv4-list_ipv4-addr-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv4-list_port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv4-list_domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv6-list

Specification	Value
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *host_ipv6-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-addr

Description IPV6 address of ldap server

Type: string

Format: ipv6-address

ipv6-addr-cfg

Description: ipv6-addr-cfg is a **JSON Block**. Please see below for *host_ipv6-list_ipv6-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv6-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv6-list_port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv6-list_ipv6-addr-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

host_ipv6-list_domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.70.2 ldap-server host

Specify the LDAP server's hostname or IP address

host Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/ldap-server/host
Element Attributes	host_attributes
Partition Visibility	shared
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ldap-server/host

host_attributes

host attributes

ipv4-list

Type: List

Reference Object: */axapi/v3/ldap-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Reference Object: */axapi/v3/ldap-server/host/ipv6/{ipv6-addr}*

ldap-hostname-list

Type: List

Reference Object: */axapi/v3/ldap-server/host/ldap-hostname/{hostname}*

ldap-hostname-list

Specification	Value
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *ldap-hostname-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

hostname

Description Hostname of LDAP server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

hostname-cfg

Description: hostname-cfg is a **JSON Block**. Please see below for *ldap-hostname-list_hostname-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ldap-hostname-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ldap-hostname-list_hostname-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ldap-hostname-list_port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ldap-hostname-list_domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv4-list

Specification	Value
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *ipv4-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv4-addr

Description IPV4 address of ldap server

Type: string

Format: ipv4-address

ipv4-addr-cfg

Description: ipv4-addr-cfg is a **JSON Block**. Please see below for *ipv4-list_ipv4-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv4-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-list_ipv4-addr-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv4-list_port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv4-list_domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv6-list

Specification	Value
Type	*list*
Block object keys	

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *ipv6-list_domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-addr

Description IPV6 address of ldap server

Type: string

Format: ipv6-address

ipv6-addr-cfg

Description: ipv6-addr-cfg is a **JSON Block**. Please see below for *ipv6-list_ipv6-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv6-list_port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list_port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv6-list_ipv6-addr-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv6-list_domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.70.3 ldap-server host ipv4

Specify the hostname of ldap server

ipv4 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ipv4-list*
Collection URI	/axapi/v3/ldap-server/host/ipv4
Element Name	ipv4
Element URI	/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}
Element Attributes	ipv4_attributes
Partition Visibility	shared
Schema	`ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ldap-server/host/ipv4

ipv4 attributes

```
POST /axapi/v3/ldap-server/host/ipv4/
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "dn-value": "a",
        "cn-value": "a",
        "port-cfg": {
            "port": 1
        }
    }
}
```

Create List

POST

/axapi/v3/ldap-server/host/ipv4

ipv4 attributes

Get Object

GET

/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
GET /axapi/v3/ldap-server/host/ipv4/3.3.3.3
Reponse:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "ipv4-addr-cfg": {
            "ssl": 0
        },
        "cn-value": "a",
        "dn-value": "a",
        "port-cfg": {
            "port": 1,
            "ssl": 0
        },
        "uuid": "30b09ea2-087f-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/ldap-server/host/ipv4/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/ldap-server/host/ipv4

ipv4-list

Modify Object

POST

/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}

ipv4 attributes

Replace Object

PUT

/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
PUT /axapi/v3/ldap-server/host/ipv4/3.3.3.3
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "dn-value": "ab",
        "cn-value": "ab",
        "port-cfg": {
            "port": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/ldap-server/host/ipv4

ipv4-list

Delete Object

DELETE

/axapi/v3/ldap-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
DELETE /axapi/v3/ldap-server/host/ipv4/3.3.3.3
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4-list

ipv4-list is **JSON List** of *ipv4 attributes*

ipv4-list : [

{ *ipv4 attributes* },

{ *ipv4 attributes* },

...

]

ipv4 attributes

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv4-addr

Description IPV4 address of ldap server

Type: string

Format: ipv4-address

ipv4-addr-cfg

Description: ipv4-addr-cfg is a **JSON Block**. Please see below for *ipv4-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-addr-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.70.4 ldap-server host ipv6

Specify the hostname of ldap server

ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ipv6-list*
Collection URI	/axapi/v3/ldap-server/host/ipv6
Element Name	ipv6
Element URI	/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ldap-server/host/ipv6

ipv6 attributes

```
POST /axapi/v3/ldap-server/host/ipv6/
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "dn-value": "a",
        "cn-value": "a",
        "port-cfg": {
            "port": 1
        }
    }
}
```

Create List

POST

/axapi/v3/ldap-server/host/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
GET /axapi/v3/ldap-server/host/ipv6/2003::1
Reponse:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "ipv6-addr-cfg": {
            "ssl": 0
        },
        "cn-value": "a",
        "dn-value": "a",
        "port-cfg": {
            "port": 1,
            "ssl": 0
        },
        "uuid": "831d802e-087f-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/ldap-server/host/ipv6/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/ldap-server/host/ipv6

ipv6-list

Modify Object

POST

/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}

ipv6 attributes

Replace Object

PUT

/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
PUT /axapi/v3/ldap-server/host/ipv6/2003::1
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "dn-value": "ab",
        "cn-value": "ab",
        "port-cfg": {
            "port": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/ldap-server/host/ipv6

ipv6-list

Delete Object

DELETE

/axapi/v3/ldap-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
DELETE /axapi/v3/ldap-server/host/ipv6/2003::1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-list

ipv6-list is **JSON List** of *ipv6 attributes*

ipv6-list : [

{ *ipv6 attributes* },

{ *ipv6 attributes* },

...

]

ipv6 attributes

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-addr

Description IPV6 address of ldap server

Type: string

Format: ipv6-address

ipv6-addr-cfg

Description: ipv6-addr-cfg is a **JSON Block**. Please see below for *ipv6-addr-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

ipv6-addr-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.70.5 ldap-server host ldap-hostname

Specify the hostname of LDAP server

ldap-hostname Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*hostname*
Collection Name	*ldap-hostname-list*
Collection URI	/axapi/v3/ldap-server/host/ldap-hostname
Element Name	ldap-hostname
Element URI	/axapi/v3/ldap-server/host/ldap-hostname/{hostname}
Element Attributes	ldap-hostname_attributes
Partition Visibility	shared
Schema	`ldap-hostname schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ldap-server/host/ldap-hostname

ldap-hostname attributes

```
POST /axapi/v3/ldap-server/host/ldap-hostname/
Payload:
{
    "ldap-hostname": {
        "hostname": "a",
        "dn-value": "a",
        "cn-value": "a",
        "port-cfg": {
            "port": 1
        }
    }
}
```

Create List

POST

/axapi/v3/ldap-server/host/ldap-hostname

ldap-hostname attributes

Get Object

GET

/axapi/v3/ldap-server/host/ldap-hostname/{hostname}

ldap-hostname attributes

```
GET /axapi/v3/ldap-server/host/ldap-hostname/a
Reponse:
{
    "ldap-hostname": {
        "hostname": "a",
        "hostname-cfg": {
            "ssl": 0
        },
        "cn-value": "a",
        "dn-value": "a",
        "port-cfg": {
            "port": 1,
            "ssl": 0
        },
        "uuid": "d793a6b0-087f-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/ldap-server/host/ldap-hostname/a"
    }
}
```

Get List

GET

/axapi/v3/ldap-server/host/ldap-hostname

ldap-hostname-list

Modify Object

POST

/axapi/v3/ldap-server/host/ldap-hostname/{hostname}

ldap-hostname attributes

Replace Object

PUT

/axapi/v3/ldap-server/host/ldap-hostname/{hostname}

ldap-hostname attributes

```
PUT /axapi/v3/ldap-server/host/ldap-hostname/a
Payload:
{
    "ldap-hostname": {
        "hostname": "a",
        "dn-value": "ab",
        "cn-value": "ab",
        "port-cfg": {
            "port": 2
```

(continues on next page)

(continued from previous page)

```
        }
    }
}
```

Replace List

PUT

/axapi/v3/ldap-server/host/ldap-hostname

ldap-hostname-list

Delete Object

DELETE

/axapi/v3/ldap-server/host/ldap-hostname/{hostname}

ldap-hostname attributes

```
DELETE /axapi/v3/ldap-server/host/ldap-hostname/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ldap-hostname-list

ldap-hostname-list is **JSON List** of *ldap-hostname attributes*

ldap-hostname-list : [

{ *ldap-hostname attributes* },

{ *ldap-hostname attributes* },

...

]

ldap-hostname attributes

base

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

cn-value

Description LDAP common name identifier (i.e.: cn, uid)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

dn-value

Description LDAP distinguished name (dn)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

domain

Description Configure AD domain name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

domain-cfg

Description: domain-cfg is a **JSON Block**. Please see below for *domain-cfg*

Type: Object

group

Description Configure the group DN which user belongs to

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

hostname

Description Hostname of LDAP server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

hostname-cfg

Description: hostname-cfg is a **JSON Block**. Please see below for *hostname-cfg*

Type: Object

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *port-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hostname-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 3268 without ssl or 3269 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

port-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

domain-cfg

Specification	Value
Type	*object*

port

Description Specify the LDAP server's port (default 389 without ssl or 636 with ssl)

Type: number

Range: 1-65535

ssl

Description Use SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the LDAP server's timeout (default 3)

Type: number

Range: 1-60

2.71 license-manager

Objects:

2.71.1 license-manager

Configure license manager

license-manager Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	license-manager
Element URI	/axapi/v3/license-manager
Element Attributes	license-manager_attributes
Partition Visibility	shared
Schema	`license-manager schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager

license-manager attributes

```
POST /axapi/v3/license-manager
Payload:
{
    "license-manager": {
        "use-mgmt-port": 1,
        "host-list": [
            {
                "host-ipv4": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/license-manager

license-manager attributes

```
GET /axapi/v3/license-manager
Reponse:
{
    "license-manager": {
        "use-mgmt-port": 1,
        "bandwidth-unrestricted": 0,
        "uuid": "10dd5a26-b6cb-11ef-8f5a-ae71681635d0",
        "host-list": [
            {
                "host-ipv4": "a",
                "port": 443,
                "uuid": "10de5aac-b6cb-11ef-8f5a-ae71681635d0",
                "a10-url": "/axapi/v3/license-manager/host/a"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "a10-url": "/axapi/v3/license-manager"
    }
}
```

Modify Object

POST

/axapi/v3/license-manager

license-manager attributes

Replace Object

PUT

/axapi/v3/license-manager

license-manager attributes

```
PUT /axapi/v3/license-manager
Payload:
{
    "license-manager": {
        "use-mgmt-port": 0,
        "host-list": [
            {
                "host-ipv4": "a",
                "port": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/license-manager

license-manager attributes

```
DELETE /axapi/v3/license-manager
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

license-manager attributes

bandwidth-base

Description Configure feature bandwidth base (Mb)

Type: number

Range: 10-102400

bandwidth-unrestricted

Description Set the bandwidth to maximum

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description: connect is a **JSON Block**. Please see below for *connect*

Type: Object

Reference Object: */axapi/v3/license-manager/connect*

host-list

Type: List

Reference Object: */axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}*

instance-name

Description Configure instance name [format: (string).(string).(string).(string)]

Type: string

Maximum Length: 63 characters

Maximum Length: 7 characters

interval

Description Configure interval profile (1 monthly, 2 daily, 3 hourly)

Type: number

Range: 1-3

ng-waf-module

Description: ng-waf-module is a **JSON Block**. Please see below for *ng-waf-module*

Type: Object

Reference Object: */axapi/v3/license-manager/ng-waf-module*

overage

Description: overage is a **JSON Block**. Please see below for *overage*

Type: Object

Reference Object: */axapi/v3/license-manager/overage*

reminder-list

Type: List

Reference Object: */axapi/v3/license-manager/reminder/{reminder-value}*

sn

Description serial number

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

use-mgmt-port

Description Use management port to connect license server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

connect

Specification	Value
Type	*object*

connect

Description Connect to license manager to activate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reminder-list

Specification	Value
Type	*list*
Block object keys	

reminder-value

Description Configure reminder for grace time (Hour)

Type: number

Range: 1-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ng-waf-module

Specification	Value
Type	*object*

access-key-id

Description access-key

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret-access-key

Description

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

overage

Specification	Value
Type	*object*

bytes

Description Number of bytes

Type: number

Range: 1-1023

days

Description Number of days

Type: number

Range: 0-365

gb

Description Number of GB

Type: number

Range: 1-65535

hours

Description Number of hours

Type: number

Range: 0-23

kb

Description Number of KB

Type: number

Range: 1-1023

mb

Description Number of MB

Type: number

Range: 1-1023

minutes

Description Number of minutes

Type: number

Range: 0-59

seconds

Description Number of seconds

Type: number

Range: 0-59

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list

Specification	Value
Type	*list*
Block object keys	

host-ipv4

Description license server ip address (length:1-31)

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

host-ipv6

Description Configure license manager server ipv6-address

Type: string

Format: ipv6-address

Maximum Length: 63 characters

Maximum Length: 1 characters

port

Description Configure the license manager port, default is 443

Type: number

Range: 1-65535

Default: 443

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.2 license-manager connect

Connect to license manager to activate

connect Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	connect
Element URI	/axapi/v3/license-manager/connect
Element Attributes	connect_attributes
Partition Visibility	shared
Schema	`connect schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager/connect

connect attributes

```
POST /axapi/v3/license-manager/connect
Payload:
{
    "connect": {
        "connect": 1
    }
}
```

Get Object

GET

/axapi/v3/license-manager/connect

connect attributes

Modify Object

POST

/axapi/v3/license-manager/connect

connect attributes

Replace Object

PUT

/axapi/v3/license-manager/connect

connect attributes

Delete Object

DELETE

/axapi/v3/license-manager/connect

connect attributes

connect attributes

connect

Description Connect to license manager to activate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.3 license-manager host

Configure license manager host

host Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*host-ipv4, host-ipv6*
Collection Name	*host-list*
Collection URI	/axapi/v3/license-manager/host
Element Name	host
Element URI	/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}
Element Attributes	host_attributes
Partition Visibility	shared
Schema	`host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager/host

host attributes

```
POST /axapi/v3/license-manager/host/
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "host": {
        "host-ipv4": "a"
    }
}
```

Create List

POST

/axapi/v3/license-manager/host

host attributes

Get Object

GET

/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}

host attributes

```
GET /axapi/v3/license-manager/host/a
Reponse:
{
    "host": {
        "host-ipv4": "a",
        "port": 443,
        "uuid": "551800d8-b6cb-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/license-manager/host/a"
    }
}
```

Get List

GET

/axapi/v3/license-manager/host

host-list

Modify Object

POST

/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}

host attributes

Replace Object

PUT

/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}

host attributes

```
PUT /axapi/v3/license-manager/host/a
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "host": {
        "host-ipv4": "a"
    }
}
```

Replace List

PUT

/axapi/v3/license-manager/host

host-list

Delete Object

DELETE

/axapi/v3/license-manager/host/{host-ipv4}+{host-ipv6}

host attributes

```
DELETE /axapi/v3/license-manager/host/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

host-list

host-list is **JSON List** of *host attributes*

host-list : [

{ *host attributes* },

{ *host attributes* },

...

]

host attributes

host-ipv4

Description license server ip address (length:1-31)

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

host-ipv6

Description Configure license manager server ipv6-address

Type: string

Format: ipv6-address

Maximum Length: 63 characters

Maximum Length: 1 characters

port

Description Configure the license manager port, default is 443

Type: number

Range: 1-65535

Default: 443

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.4 license-manager overage

Set overage parameters

overage Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	overage
Element URI	/axapi/v3/license-manager/overage
Element Attributes	overage_attributes
Partition Visibility	shared
Schema	`overage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager/overage

overage attributes

```
POST /axapi/v3/license-manager/overage
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "overage": {
        "hours": 0,
        "seconds": 0,
        "minutes": 0,
        "days": 0,
        "gb": 1,
        "mb": 1,
        "kb": 1,
        "bytes": 1
    }
}
```

Get Object

GET

/axapi/v3/license-manager/overage

overage attributes

```
GET /axapi/v3/license-manager/overage
Reponse:
{
    "overage": {
        "days": 0,
        "hours": 0,
        "minutes": 0,
        "seconds": 0,
        "gb": 1,
        "mb": 1,
        "kb": 1,
        "bytes": 1,
        "uuid": "a70f26b4-b6cb-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/license-manager/overage"
    }
}
```

Modify Object

POST

/axapi/v3/license-manager/overage

overage attributes

Replace Object

PUT

/axapi/v3/license-manager/overage

overage attributes

```
PUT /axapi/v3/license-manager/overage
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "overage": {
        "hours": 0,
        "seconds": 0,
        "minutes": 0,
        "days": 0,
        "gb": 2,
        "mb": 2,
        "kb": 2,
        "bytes": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/license-manager/overage

overage attributes

```
DELETE /axapi/v3/license-manager/overage
Reponse:
{
    "response": {
        "http-status": 400,
        "status": "fail",
        "err": {
            "code": 654508041,
            "msg": "System Overage is not enabled.."
        }
    }
}
```

overage attributes

bytes

Description Number of bytes

Type: number

Range: 1-1023

days

Description Number of days

Type: number

Range: 0-365

gb

Description Number of GB

Type: number

Range: 1-65535

hours

Description Number of hours

Type: number

Range: 0-23

kb

Description Number of KB

Type: number

Range: 1-1023

mb

Description Number of MB

Type: number

Range: 1-1023

minutes

Description Number of minutes

Type: number

Range: 0-59

seconds

Description Number of seconds

Type: number

Range: 0-59

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.71.5 license-manager reminder

Set the reminder for grace time

reminder Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*reminder-value*
Collection Name	*reminder-list*
Collection URI	/axapi/v3/license-manager/reminder
Element Name	reminder
Element URI	/axapi/v3/license-manager/reminder/{reminder-value}
Element Attributes	reminder_attributes
Partition Visibility	shared
Schema	`reminder schema`

Operations Allowed:

Create Object

POST

/axapi/v3/license-manager/reminder

reminder attributes

```
POST /axapi/v3/license-manager/reminder/
Payload:
{
    "reminder": {
        "reminder-value": 1
    }
}
```

Create List

POST

/axapi/v3/license-manager/reminder

reminder attributes

Get Object

GET

/axapi/v3/license-manager/reminder/{reminder-value}

reminder attributes

```
GET /axapi/v3/license-manager/reminder/1
Reponse:
{
    "reminder": {
        "reminder-value": 1,
        "uuid": "cac636a6-b6cb-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/license-manager/reminder/1"
    }
}
```

Get List

GET

/axapi/v3/license-manager/reminder

reminder-list

Modify Object

POST

/axapi/v3/license-manager/reminder/{reminder-value}

reminder attributes

Replace Object

PUT

/axapi/v3/license-manager/reminder/{reminder-value}

reminder attributes

```
PUT /axapi/v3/license-manager/reminder/1
Payload:
{
    "reminder": {
        "reminder-value": 1
    }
}
```

Replace List

PUT

/axapi/v3/license-manager/reminder

reminder-list

Delete Object

DELETE

/axapi/v3/license-manager/reminder/{reminder-value}

reminder attributes

```
DELETE /axapi/v3/license-manager/reminder/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

reminder-list

reminder-list is **JSON List** of *reminder attributes*

reminder-list : [

{ *reminder attributes* },

{ *reminder attributes* },

...

]

reminder attributes

reminder-value

Description Configure reminder for grace time (Hour)

Type: number

Range: 1-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.72 locale

Objects:

2.72.1 locale

Set locale for the CLI startup

locale Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	locale
Element URI	/axapi/v3/locale
Element Attributes	locale_attributes
Partition Visibility	shared
Schema	`locale schema`

Operations Allowed:

Create Object

POST

/axapi/v3/locale

locale attributes

```
POST /axapi/v3/locale
Payload:
{
    "locale": {
        "value": "en_US.UTF-8"
    }
}
```

Get Object

GET

/axapi/v3/locale

locale attributes

```
GET /axapi/v3/locale
Reponse:
{
    "locale": {
        "value": "en_US.UTF-8",
        "uuid": "3cd2d754-b6cc-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/locale"
    }
}
```

Modify Object

POST

/axapi/v3/locale

locale attributes

Replace Object

PUT

/axapi/v3/locale

locale attributes

```
PUT /axapi/v3/locale
Payload:
{
    "locale": {
        "value": "en_US.UTF-8"
    }
}
```

Delete Object

DELETE

/axapi/v3/locale

locale attributes

```
DELETE /axapi/v3/locale
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

locale attributes

test

Description: test is a **JSON Block**. Please see below for *test*

Type: Object

Reference Object: */axapi/v3/locale/test*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description 'en_US.UTF-8': English locale for the USA, encoding with UTF-8 (default); 'zh_CN.UTF-8': Chinese locale for PRC, encoding with UTF-8; 'zh_CN.GB18030': Chinese locale for PRC, encoding with GB18030; 'zh_CN.GBK': Chinese locale for PRC, encoding with GBK; 'zh_CN.GB2312': Chinese locale for PRC, encoding with GB2312; 'zh_TW.UTF-8': Chinese locale for Taiwan, encoding with UTF-8; 'zh_TW.BIG5': Chinese locale for Taiwan, encoding with BIG5; 'zh_TW.EUCTW': Chinese locale for Taiwan, encoding with EUC-TW; 'ja_JP.UTF-8': Japanese locale for Japan, encoding with UTF-8; 'ja_JP.EUC-JP': Japanese locale for Japan, encoding with EUC-JP;

Type: string

Supported Values: en_US.UTF-8, zh_CN.UTF-8, zh_CN.GB18030, zh_CN.GBK, zh_CN.GB2312, zh_TW.UTF-8, zh_TW.BIG5, zh_TW.EUCTW, ja_JP.UTF-8, ja_JP.EUC-JP

Default: en_US.UTF-8

test

Specification	Value
Type	*object*

locale

Description 'zh_CN': Chinese locale for PRC; 'zh_TW': Chinese locale for Taiwan; 'ja_JP': Japanese locale for Japan;

Type: string

Supported Values: zh_CN, zh_TW, ja_JP

2.73 logging

Objects:

2.73.1 logging

System logging configuration

logging Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	logging
Element URI	/axapi/v3/logging
Element Attributes	logging_attributes
Partition Visibility	shared
Schema	`logging schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging

logging_attributes

logging attributes

auditlog

Description: auditlog is a **JSON Block**. Please see below for *auditlog*

Type: Object

Reference Object: */axapi/v3/logging/auditlog*

buffered

Description: buffered is a **JSON Block**. Please see below for *buffered*

Type: Object

Reference Object: */axapi/v3/logging/buffered*

configure

Description: configure is a **JSON Block**. Please see below for *configure*

Type: Object

Reference Object: */axapi/v3/logging/configure*

console

Description: console is a **JSON Block**. Please see below for *console*

Type: Object

Reference Object: */axapi/v3/logging/console*

disable-partition-name

Description: disable-partition-name is a **JSON Block**. Please see below for *disable-partition-name*

Type: Object

Reference Object: */axapi/v3/logging/disable-partition-name*

email

Description: email is a **JSON Block**. Please see below for *email*

Type: Object

Reference Object: */axapi/v3/logging/email*

email-address

Description: email-address is a **JSON Block**. Please see below for *email-address*

Type: Object

Reference Object: */axapi/v3/logging/email-address*

export

Description: export is a **JSON Block**. Please see below for *export*

Type: Object

Reference Object: */axapi/v3/logging/export*

facility

Description: facility is a **JSON Block**. Please see below for *facility*

Type: Object

Reference Object: */axapi/v3/logging/facility*

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Reference Object: */axapi/v3/logging/host*

local-log

Description: local-log is a **JSON Block**. Please see below for *local-log*

Type: Object

Reference Object: */axapi/v3/logging/local-log*

lsn

Description: lsn is a **JSON Block**. Please see below for *lsn*

Type: Object

Reference Object: */axapi/v3/logging/lsn*

monitor

Description: monitor is a **JSON Block**. Please see below for *monitor*

Type: Object

Reference Object: */axapi/v3/logging/monitor*

single-priority-list

Type: List

Reference Object: */axapi/v3/logging/single-priority/{levelname}*

syslog

Description: syslog is a **JSON Block**. Please see below for *syslog*

Type: Object

Reference Object: */axapi/v3/logging/syslog*

trap

Description: trap is a **JSON Block**. Please see below for *trap*

Type: Object

Reference Object: */axapi/v3/logging/trap*

buffered

Specification	Value
Type	*object*

buffersize

Description Logging buffer size (in items), default 30000

Type: number

Range: 10000-50000

Default: 30000

levelname

Description 'disable': Do not send log to buffer; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: debugging

partition-buffersize

Description Logging buffer size (in items), default 3000

Type: number

Range: 1000-5000

Default: 3000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email-address

Specification	Value
Type	*object*

email-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email-address_email-list

Specification	Value
Type	*list*
Block object keys	

email-address

Description Email address information of recipients

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

console

Specification	Value
Type	*object*

console-levelname

Description 'disable': Do not send log to console; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: error

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor

Specification	Value
Type	*object*

monitor-levelname

Description 'disable': Do not send log to monitor; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

facility

Specification	Value
Type	*object*

facilityname

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Facility parameter for syslog messages)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn

Specification	Value
Type	*object*

log-suppression

Description: log-suppression is a **JSON Block**. Please see below for *lsn_log-suppression*

Type: Object

Reference Object: */axapi/v3/logging/lsn/log-suppression*

port-unavailable

Description: port-unavailable is a **JSON Block**. Please see below for *lsn_port-unavailable*

Type: Object

Reference Object: */axapi/v3/logging/lsn/port-unavailable*

quota-exceeded

Description: quota-exceeded is a **JSON Block**. Please see below for *lsn_quota-exceeded*

Type: Object

Reference Object: */axapi/v3/logging/lsn/quota-exceeded*

lsn_quota-exceeded

Specification	Value
Type	*object*

custom1

Description Customized attribute No.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom2

Description Customized attribute No.2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom3

Description Customized attribute No.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom4

Description Customized attribute No.4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom5

Description Customized attribute No.5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom6

Description Customized attribute No.6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-pool-based

Description Disable log LSN user quota exceeded based on LSN pool(Default: enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imei

Description International Mobile Equipment Identity (IMEI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imsi

Description International Mobile Subscriber Identity (IMSI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-based

Description Log LSN user quota exceeded based on private IP(Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn

Description Mobile Subscriber Integrated Services Digital Netwrok-Number (MSISDN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

with-radius-attribute

Description Log with radius attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn_port-unavailable

Specification	Value
Type	*object*

ip-based

Description Log LSN port unavailable based on NAT IP (Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lsn_log-suppression

Specification	Value
Type	*object*

count

Description Configure log suppression count (default: 100)

Type: number

Range: 50-500

Default: 100

time

Description Log generation timeout(default: 30 seconds)

Type: number

Range: 1-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-partition-name

Specification	Value
Type	*object*

disable-partition-name

Description Disable partition name in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log

Specification	Value
Type	*object*

access

Description: access is a **JSON Block**. Please see below for *local-log_access*

Type: Object

Reference Object: */axapi/v3/logging/local-log/access*

app-fw

Description: app-fw is a **JSON Block**. Please see below for *local-log_app-fw*

Type: Object

Reference Object: */axapi/v3/logging/local-log/app-fw*

authentication

Description: authentication is a **JSON Block**. Please see below for *local-log_authentication*

Type: Object

Reference Object: */axapi/v3/logging/local-log/authentication*

global

Description: global is a **JSON Block**. Please see below for *local-log_global*

Type: Object

Reference Object: */axapi/v3/logging/local-log/global*

local-log_access

Specification	Value
Type	*object*

log

Description: log is a **JSON Block**. Please see below for *local-log_access_log*

Type: Object

Reference Object: */axapi/v3/logging/local-log/access/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *local-log_access_top-n*

Type: Object

Reference Object: */axapi/v3/logging/local-log/access/top-n*

local-log_access_top-n

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_access_log

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_authentication

Specification	Value
Type	*object*

log

Description: log is a **JSON Block**. Please see below for *local-log_authentication_log*

Type: Object

Reference Object: */axapi/v3/logging/local-log/authentication/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *local-log_authentication_top-n*

Type: Object

Reference Object: */axapi/v3/logging/local-log/authentication/top-n*

local-log_authentication_top-n

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_authentication_log

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_global

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'enqueue': Total local-log enqueue; 'enqueue-full': Total local-log queue full; 'enqueue-error': Total local-log enqueue error; 'dequeue': Total local-log dequeue; 'dequeue-error': Total local-log dequeue processing error; 'raw-log': Total local-log raw logs; 'raw-log-error': Total raw log logging error; 'log-summarized': Total raw log summarized; 'l1-log-summarized': Total layer 1 log summarized; 'l2-log-summarized': Total layer 2 log summarized; 'log-summarized-error': Total local-log summarization error; 'aam-db': Total local-log AAM raw database; 'ep-db': Total local-log EP raw database; 'fw-db': Total local-log Firewall raw database; 'aam-top-user-db': Total local-log AAM top user summary database; 'ep-top-user-db': Total local-log EP top user summary database; 'ep-top-src-db': Total local-log EP top client summary database; 'ep-top-dst-db': Total local-log EP top destination summary database; 'ep-top-domain-db': Total local-log EP top domain summary database; 'ep-top-web-category-db': Total local-log EP top web-category summary database; 'ep-top-host-db': Total local-log EP top host summary database; 'fw-top-app-db': Total local-log Firewall top application summary database; 'fw-top-src-db': Total local-log Firewall top source summary database; 'fw-top-app-src-db': Total local-log Firewall top application and source summary database; 'fw-top-category-db': Total local-log Firewall top category summary database; 'db-erro': Total local-log database create error; 'query': Total local-log axapi query; 'response': Total local-log axapi response; 'query-error': Total local-log axapi query error; 'fw-top-thr-db': Total local-log Firewall top threat summary database; 'fw-top-thr-src-db': Total local-log Firewall top threat and source summary database;

Type: string

Supported Values: all, enqueue, enqueue-full, enqueue-error, dequeue, dequeue-error, raw-log, raw-log-error, log-summarized, l1-log-summarized, l2-log-summarized, log-summarized-error, aam-db, ep-db, fw-db, aam-top-user-db, ep-top-user-db, ep-top-src-db, ep-top-dst-db, ep-top-domain-db, ep-top-web-category-db, ep-top-host-db, fw-top-app-db, fw-top-src-db, fw-top-app-src-db, fw-top-category-db, db-erro, query, response, query-error, fw-top-thr-db, fw-top-thr-src-db

local-log_app-fw

Specification	Value
Type	*object*

dot-plot

Description: dot-plot is a **JSON Block**. Please see below for *local-log_app-fw_dot-plot*

Type: Object

Reference Object: */axapi/v3/logging/local-log/app-fw/dot-plot*

top-n

Description: top-n is a **JSON Block**. Please see below for *local-log_app-fw_top-n*

Type: Object

Reference Object: */axapi/v3/logging/local-log/app-fw/top-n*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_app-fw_top-n

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-log_app-fw_dot-plot

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email

Specification	Value
Type	*object*

buffer

Description: buffer is a **JSON Block**. Please see below for *email_buffer*

Type: Object

Reference Object: */axapi/v3/logging/email/buffer*

filter-list

Type: List

Reference Object: */axapi/v3/logging/email/filter/{filter-id}*

level

Description: level is a **JSON Block**. Please see below for *email_level*

Type: Object

Reference Object: */axapi/v3/logging/email/level*

email_buffer

Specification	Value
Type	*object*

number

Description Number of log messages that can be buffered (Number of log messages that can be buffered, default 50)

Type: number

Range: 16-256

Default: 50

time

Description Number of minutes a log message can stay in buffer (Number of minutes a log message can stay in buffer, default 10)

Type: number

Range: 10-1440

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email_filter-list

Specification	Value
Type	*list*
Block object keys	

expression

Description Reverse Polish Notation, consists of level 0-7, module AFLEX/HMON/..., pattern log-content-pattern, and or/and/not

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

filter-id

Description Logging via email filter settings

Type: number

Range: 1-8

trigger

Description Trigger email, override buffer settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email_level

Specification	Value
Type	*object*

email-levelname

Description 'disable': Do not send log to email address; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'notification': Normal but significant conditions (severity=5);

Type: string

Supported Values: disable, emergency, alert, critical, notification

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syslog

Specification	Value
Type	*object*

syslog-levelname

Description 'disable': Do not send log to syslog; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	Value
Type	*object*

ipv4addr-list

Type: List

Reference Object: */axapi/v3/logging/host/ipv4addr/{host-ipv4}*

ipv6addr-list

Type: List

Reference Object: */axapi/v3/logging/host/ipv6addr/{host-ipv6}*

partition

Description: partition is a **JSON Block**. Please see below for *host_partition*

Type: Object

Reference Object: */axapi/v3/logging/host/partition*

host_ipv6addr-list

Specification	Value
Type	*list*
Block object keys	

host-ipv6

Description Set syslog host ipv6 address

Type: string

Format: ipv6-address

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_partition

Specification	Value
Type	*object*

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Reference Object: */axapi/v3/partition*

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv4addr-list

Specification	Value
Type	*list*
Block object keys	

host-ipv4

Description Set syslog host ip address

Type: string

Format: host

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

export

Specification	Value
Type	*object*

all

Description System support messages

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description password for the remote site

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

remote-file

Description Remote url

Type: string

Format: url

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trap

Specification	Value
Type	*object*

trap-levelname

Description 'disable': Do not send trap to snmp host; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2);

Type: string

Supported Values: disable, emergency, alert, critical

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

auditlog

Specification	Value
Type	*object*

audit-facility

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Configure the facility of auditlog)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

host4

Description Configure the auditlog host

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: host4,shared, partition-name, and host6 are mutually exclusive

host6

Description Configure the auditlog host

Type: string

Format: ipv6-address

Mutual Exclusion: host6,shared, partition-name, and host4 are mutually exclusive

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name,shared, host6, and host4 are mutually exclusive

Reference Object: */axapi/v3/partition*

port

Description Set remote audit log port number(Default 514)

Type: number

Range: 1-32767

Default: 514

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared,partition-name, host6, and host4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

single-priority-list

Specification	Value
Type	*list*
Block object keys	

levelname

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

configure

Specification	Value
Type	*object*

line-feed-in-udp-syslog

Description Add newline for syslog over UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.2 logging auditlog

Set send auditlog to syslog host

auditlog Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	auditlog
Element URI	/axapi/v3/logging/auditlog
Element Attributes	auditlog_attributes
Partition Visibility	shared
Schema	`auditlog schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/auditlog

auditlog attributes

```
POST /axapi/v3/logging/auditlog
Payload:
{
    "auditlog": {
        "audit-facility": "local0",
        "partition-name": "a",
        "port": 1
    }
}
```

Get Object

GET

/axapi/v3/logging/auditlog

auditlog attributes

```
GET /axapi/v3/logging/auditlog
Reponse:
{
    "auditlog": {
        "partition-name": "a",
        "audit-facility": "local0",
        "port": 1,
        "uuid": "4ccdaea2-b5e3-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/auditlog"
    }
}
```

Modify Object

POST

/axapi/v3/logging/auditlog

auditlog attributes

Replace Object

PUT

/axapi/v3/logging/auditlog

auditlog attributes

```
PUT /axapi/v3/logging/auditlog
Payload:
{
    "auditlog": {
        "audit-facility": "local2",
        "partition-name": "abcd",
        "port": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/auditlog

auditlog attributes

```
DELETE /axapi/v3/logging/auditlog
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

auditlog attributes

audit-facility

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Configure the facility of auditlog)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

host4

Description Configure the auditlog host

Type: string

Format: host

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: host4,shared, partition-name, and host6 are mutually exclusive

host6

Description Configure the auditlog host

Type: string

Format: ipv6-address

Mutual Exclusion: host6,shared, partition-name, and host4 are mutually exclusive

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name,shared, host6, and host4 are mutually exclusive

Reference Object: */axapi/v3/partition*

port

Description Set remote audit log port number(Default 514)

Type: number

Range: 1-32767

Default: 514

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared,partition-name, host6, and host4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.3 logging buffered

Set buffered logging parameters

buffered Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	buffered
Element URI	/axapi/v3/logging/buffered
Element Attributes	buffered_attributes
Partition Visibility	shared
Schema	`buffered schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/buffered

buffered attributes

```
POST /axapi/v3/logging/buffered
Payload:
{
    "buffered": {
        "buffersize": 10000
    }
}
```

Get Object

GET

/axapi/v3/logging/buffered

buffered attributes

```
GET /axapi/v3/logging/buffered
Reponse:
{
    "buffered": {
        "buffersize": 10000,
        "levelname": "debugging",
        "uuid": "24d860b2-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/buffered"
    }
}
```

Modify Object

POST

/axapi/v3/logging/buffered

buffered attributes

Replace Object

PUT

/axapi/v3/logging/buffered

buffered attributes

```
PUT /axapi/v3/logging/buffered
Payload:
{
    "buffered": {
        "buffersize": 10001
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/buffered

buffered attributes

```
DELETE /axapi/v3/logging/buffered
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

buffered attributes

buffersize

Description Logging buffer size (in items), default 30000

Type: number

Range: 10000-50000

Default: 30000

levelname

Description 'disable': Do not send log to buffer; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: debugging

partition-buffersize

Description Logging buffer size (in items), default 3000

Type: number

Range: 1000-5000

Default: 3000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.4 logging configure

Set logging configuration

configure Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	configure
Element URI	/axapi/v3/logging/configure
Element Attributes	configure_attributes
Partition Visibility	shared
Schema	`configure schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/configure

configure attributes

```
POST /axapi/v3/logging/configure
Payload:
{
    "configure": {
        "line-feed-in-udp-syslog": 1
    }
}
```

Get Object

GET

/axapi/v3/logging/configure

configure attributes

```
GET /axapi/v3/logging/configure
Reponse:
{
    "configure": {
        "line-feed-in-udp-syslog": 1,
        "uuid": "24d85716-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/configure"
    }
}
```

Modify Object

POST

/axapi/v3/logging/configure

configure attributes

Replace Object

PUT

/axapi/v3/logging/configure

configure attributes

```
PUT /axapi/v3/logging/configure
Payload:
{
    "configure": {
        "line-feed-in-udp-syslog": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/configure

configure attributes

```
DELETE /axapi/v3/logging/configure
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

configure attributes

line-feed-in-udp-syslog

Description Add newline for syslog over UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.5 logging console

Set logging level which sent to console

console Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	console
Element URI	/axapi/v3/logging/console
Element Attributes	console_attributes
Partition Visibility	shared
Schema	`console schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/console

console attributes

```
POST /axapi/v3/logging/console
Payload:
{
    "console": {
        "console-levelname": "disable"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/logging/console

console attributes

```
GET /axapi/v3/logging/console
Reponse:
{
    "console": {
        "console-levelname": "disable",
        "uuid": "24d85af4-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/console"
    }
}
```

Modify Object

POST

/axapi/v3/logging/console

console attributes

Replace Object

PUT

/axapi/v3/logging/console

console attributes

```
PUT /axapi/v3/logging/console
Payload:
{
    "console": {
        "console-levelname": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/console

console attributes

```
DELETE /axapi/v3/logging/console
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

console attributes

console-levelname

Description 'disable': Do not send log to console; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: error

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.6 logging disable-partition-name

disable-partition-name Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	disable-partition-name
Element URI	/axapi/v3/logging/disable-partition-name
Element Attributes	disable-partition-name_attributes
Partition Visibility	shared
Schema	`disable-partition-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

```
POST /axapi/v3/logging/disable-partition-name
Payload:
{
    "disable-partition-name": {
        "disable-partition-name": 1
    }
}
```

Get Object

GET

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

```
GET /axapi/v3/logging/disable-partition-name
Reponse:
{
    "disable-partition-name": {
        "disable-partition-name": 1,
        "uuid": "f0fc75da-b5e3-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/disable-partition-name"
    }
}
```

Modify Object

POST

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

Replace Object

PUT

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

```
PUT /axapi/v3/logging/disable-partition-name
Payload:
{
    "disable-partition-name": {
        "disable-partition-name": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/disable-partition-name

disable-partition-name attributes

```
DELETE /axapi/v3/logging/disable-partition-name
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

disable-partition-name attributes

disable-partition-name

Description Disable partition name in logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.7 logging email

Set logging level which sent to email address

email Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	email
Element URI	/axapi/v3/logging/email
Element Attributes	email_attributes
Partition Visibility	shared
Schema	`email schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging/email

email_attributes

email attributes

buffer

Description: buffer is a **JSON Block**. Please see below for *buffer*

Type: Object

Reference Object: */axapi/v3/logging/email/buffer*

filter-list

Type: List

Reference Object: */axapi/v3/logging/email/filter/{filter-id}*

level

Description: level is a **JSON Block**. Please see below for *level*

Type: Object

Reference Object: */axapi/v3/logging/email/level*

buffer

Specification	Value
Type	*object*

number

Description Number of log messages that can be buffered (Number of log messages that can be buffered, default 50)

Type: number

Range: 16-256

Default: 50

time

Description Number of minutes a log message can stay in buffer (Number of minutes a log message can stay in buffer, default 10)

Type: number

Range: 10-1440

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

filter-list

Specification	Value
Type	*list*
Block object keys	

expression

Description Reverse Polish Notation, consists of level 0-7, module AFLEX/HMON/..., pattern log-content-pattern, and or/and/not

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

filter-id

Description Logging via email filter settings

Type: number

Range: 1-8

trigger

Description Trigger email, override buffer settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

level

Specification	Value
Type	*object*

email-levelname

Description 'disable': Do not send log to email address; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'notification': Normal but significant conditions (severity=5);

Type: string

Supported Values: disable, emergency, alert, critical, notification

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.8 logging email-address

Set the recipients address

email-address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	email-address
Element URI	/axapi/v3/logging/email-address
Element Attributes	email-address_attributes
Partition Visibility	shared
Schema	`email-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/email-address

email-address attributes

```
POST /axapi/v3/logging/email-address
Payload:
{
    "email-address": {
        "email-list": [
            {
                "email-address": "j@j.c"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/logging/email-address

email-address attributes

```
GET /axapi/v3/logging/email-address
Reponse:
{
    "email-address": {
        "email-list": [
            {
                "email-address": "j@j.c"
            }
        ],
        "uuid": "2f2a6efc-b5e4-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/email-address"
    }
}
```

Modify Object

POST

/axapi/v3/logging/email-address

email-address attributes

Replace Object

PUT

/axapi/v3/logging/email-address

email-address attributes

```
PUT /axapi/v3/logging/email-address
Payload:
{
    "email-address": {
        "email-list": [
            {
                "email-address": "o@pol.com"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/email-address

email-address attributes

```
DELETE /axapi/v3/logging/email-address
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

email-address attributes

email-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

email-list

Specification	Value
Type	*list*
Block object keys	

email-address

Description Email address information of recipients

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

2.73.9 logging email buffer

Logging via email buffering settings

buffer Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	buffer
Element URI	/axapi/v3/logging/email/buffer
Element Attributes	buffer_attributes
Partition Visibility	shared
Schema	`buffer schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/email/buffer

buffer attributes

```
POST /axapi/v3/logging/email/buffer
Payload:
{
    "buffer": {
        "number": 16
    }
}
```

Get Object

GET

/axapi/v3/logging/email/buffer

buffer attributes

```
GET /axapi/v3/logging/email/buffer
Reponse:
{
    "buffer": {
        "number": 16,
        "time": 10,
        "uuid": "559b89cc-b5e4-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/email/buffer"
    }
}
```

Modify Object

POST

/axapi/v3/logging/email/buffer

buffer attributes

Replace Object

PUT

/axapi/v3/logging/email/buffer

buffer attributes

```
PUT /axapi/v3/logging/email/buffer
Payload:
{
    "buffer": {
        "number": 17
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/email/buffer

buffer attributes

```
DELETE /axapi/v3/logging/email/buffer
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

buffer attributes

number

Description Number of log messages that can be buffered (Number of log messages that can be buffered, default 50)

Type: number

Range: 16-256

Default: 50

time

Description Number of minutes a log message can stay in buffer (Number of minutes a log message can stay in buffer, default 10)

Type: number

Range: 10-1440

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.10 logging email filter

Logging via email filter settings

filter Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*filter-id*
Collection Name	*filter-list*
Collection URI	/axapi/v3/logging/email/filter
Element Name	filter
Element URI	/axapi/v3/logging/email/filter/{filter-id}
Element Attributes	filter_attributes
Partition Visibility	shared
Schema	`filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/email/filter

filter attributes

```
POST /axapi/v3/logging/email/filter/
Payload:
{
    "filter": {
        "filter-id": 1,
        "expression": "level emergency module AFLEX and pattern aaa or"
    }
}
```

Create List

POST

/axapi/v3/logging/email/filter

filter attributes

Get Object

GET

/axapi/v3/logging/email/filter/{filter-id}

filter attributes

```
GET /axapi/v3/logging/email/filter/1
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "filter": {
        "filter-id": 1,
        "expression": "level emergency module AFLEX and pattern aaa or",
        "trigger": 0,
        "uuid": "72f35306-b5e4-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/email/filter/1"
    }
}
```

Get List

GET

/axapi/v3/logging/email/filter

filter-list

Modify Object

POST

/axapi/v3/logging/email/filter/{filter-id}

filter attributes

Replace Object

PUT

/axapi/v3/logging/email/filter/{filter-id}

filter attributes

```
PUT /axapi/v3/logging/email/filter/1
Payload:
{
    "filter": {
        "filter-id": 1,
        "expression": "level emergency module AFLEX and pattern aada or"
    }
}
```

Replace List

PUT

/axapi/v3/logging/email/filter

filter-list

Delete Object

DELETE

/axapi/v3/logging/email/filter/{filter-id}

filter attributes

```
DELETE /axapi/v3/logging/email/filter/1
```

(continues on next page)

(continued from previous page)

```
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

filter-list

filter-list is **JSON List** of *filter attributes*

filter-list : [

{ *filter attributes* },

{ *filter attributes* },

...

]

filter attributes

expression

Description Reverse Polish Notation, consists of level 0-7, module AFLEX/HMON/..., pattern log-content-pattern, and or/and/not

Type: string

Format: string-rlx

Maximum Length: 511 characters

Maximum Length: 1 characters

filter-id

Description Logging via email filter settings

Type: number

Range: 1-8

trigger

Description Trigger email, override buffer settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.11 logging email level

Set logging level which sent to email address

level Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	level
Element URI	/axapi/v3/logging/email/level
Element Attributes	level_attributes
Partition Visibility	shared
Schema	`level schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/email/level

level attributes

```
POST /axapi/v3/logging/email/level
Payload:
{
    "level": {
        "email-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/email/level

level attributes

```
GET /axapi/v3/logging/email/level
Reponse:
{
    "level": {
        "email-levelname": "disable",
        "uuid": "24d85d38-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/email/level"
    }
}
```

Modify Object

POST

/axapi/v3/logging/email/level

level attributes

Replace Object

PUT

/axapi/v3/logging/email/level

level attributes

```
PUT /axapi/v3/logging/email/level
Payload:
{
    "level": {
        "email-levelname": "disable"
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/email/level

level attributes

```
DELETE /axapi/v3/logging/email/level
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

level attributes

email-levelname

Description 'disable': Do not send log to email address; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'notification': Normal but significant conditions (severity=5);

Type: string

Supported Values: disable, emergency, alert, critical, notification

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.12 logging facility

Facility parameter for syslog messages

facility Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	facility
Element URI	/axapi/v3/logging/facility
Element Attributes	facility_attributes
Partition Visibility	shared
Schema	`facility schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/facility

facility attributes

```
POST /axapi/v3/logging/facility
Payload:
{
    "facility": {
        "facilityname": "local0"
    }
}
```

Get Object

GET

/axapi/v3/logging/facility

facility attributes

```
GET /axapi/v3/logging/facility
Reponse:
{
    "facility": {
        "facilityname": "local0",
        "uuid": "da34a6fa-b5e4-11ef-867e-ae71681635d0",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/logging/facility"
    }
}
```

Modify Object

POST

/axapi/v3/logging/facility

facility attributes

Replace Object

PUT

/axapi/v3/logging/facility

facility attributes

Delete Object

DELETE

/axapi/v3/logging/facility

facility attributes

```
DELETE /axapi/v3/logging/facility
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

facility attributes

facilityname

Description 'local0': Local use; 'local1': Local use; 'local2': Local use; 'local3': Local use; 'local4': Local use; 'local5': Local use; 'local6': Local use; 'local7': Local use; (Facility parameter for syslog messages)

Type: string

Supported Values: local0, local1, local2, local3, local4, local5, local6, local7

Default: local0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.13 logging host

Set remote syslog host DNS name or ip address

host Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/logging/host
Element Attributes	host_attributes
Partition Visibility	shared
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging/host

host_attributes

host attributes

ipv4addr-list

Type: List

Reference Object: */axapi/v3/logging/host/ipv4addr/{host-ipv4}*

ipv6addr-list

Type: List

Reference Object: */axapi/v3/logging/host/ipv6addr/{host-ipv6}*

partition

Description: partition is a **JSON Block**. Please see below for *partition*

Type: Object

Reference Object: */axapi/v3/logging/host/partition*

ipv6addr-list

Specification	Value
Type	*list*
Block object keys	

host-ipv6

Description Set syslog host ipv6 address

Type: string

Format: ipv6-address

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition

Specification	Value
Type	*object*

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Reference Object: */axapi/v3/partition*

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4addr-list

Specification	Value
Type	*list*
Block object keys	

host-ipv4

Description Set syslog host ip address

Type: string

Format: host

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.14 logging host ipv4addr

host DNS name or ipv4 address of remote syslog server

ipv4addr Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*host-ipv4*
Collection Name	*ipv4addr-list*
Collection URI	/axapi/v3/logging/host/ipv4addr
Element Name	ipv4addr
Element URI	/axapi/v3/logging/host/ipv4addr/{host-ipv4}
Element Attributes	ipv4addr_attributes
Partition Visibility	shared
Schema	`ipv4addr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/host/ipv4addr

ipv4addr attributes

```
POST /axapi/v3/logging/host/ipv4addr/
Payload:
{
    "ipv4addr": {
        "host-ipv4": "localhost",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/logging/host/ipv4addr

ipv4addr attributes

Get Object

GET

/axapi/v3/logging/host/ipv4addr/{host-ipv4}

ipv4addr attributes

```
GET /axapi/v3/logging/host/ipv4addr/localhost
Reponse:
{
    "ipv4addr": {
        "host-ipv4": "localhost",
        "use-mgmt-port": 1,
        "port": 514,
        "tcp": 0,
        "uuid": "15e46672-b5e5-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/host/ipv4addr/localhost"
    }
}
```

Get List

GET

/axapi/v3/logging/host/ipv4addr

ipv4addr-list

Modify Object

POST

/axapi/v3/logging/host/ipv4addr/{host-ipv4}

ipv4addr attributes

Replace Object

PUT

/axapi/v3/logging/host/ipv4addr/{host-ipv4}

ipv4addr attributes

```
PUT /axapi/v3/logging/host/ipv4addr/localhost
Payload:
{
    "ipv4addr": {
        "host-ipv4": "localhost",
        "port": 2
    }
}
```

Replace List

PUT

/axapi/v3/logging/host/ipv4addr

ipv4addr-list

Delete Object

DELETE

/axapi/v3/logging/host/ipv4addr/{host-ipv4}

ipv4addr attributes

```
DELETE /axapi/v3/logging/host/ipv4addr/localhost
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4addr-list

ipv4addr-list is **JSON List** of *ipv4addr attributes*

ipv4addr-list : [

{ *ipv4addr attributes* },

{ *ipv4addr attributes* },

...

]

ipv4addr attributes

host-ipv4

Description Set syslog host ip address

Type: string

Format: host

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.15 logging host ipv6addr

ipv6 address of remote syslog server

ipv6addr Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*host-ipv6*
Collection Name	*ipv6addr-list*
Collection URI	/axapi/v3/logging/host/ipv6addr
Element Name	ipv6addr
Element URI	/axapi/v3/logging/host/ipv6addr/{host-ipv6}
Element Attributes	ipv6addr_attributes
Partition Visibility	shared
Schema	`ipv6addr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/host/ipv6addr

ipv6addr attributes

```
POST /axapi/v3/logging/host/ipv6addr/
Payload:
{
    "ipv6addr": {
        "host-ipv6": "2003::1",
        "use-mgmt-port": 1
    }
}
```

Create List

POST

/axapi/v3/logging/host/ipv6addr

ipv6addr attributes

Get Object

GET

/axapi/v3/logging/host/ipv6addr/{host-ipv6}

ipv6addr attributes

```
GET /axapi/v3/logging/host/ipv6addr/2003::1
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "ipv6addr": {
        "host-ipv6": "2003::1",
        "use-mgmt-port": 1,
        "port": 514,
        "tcp": 0,
        "uuid": "49278be0-b5e5-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/host/ipv6addr/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/logging/host/ipv6addr

ipv6addr-list

Modify Object

POST

/axapi/v3/logging/host/ipv6addr/{host-ipv6}

ipv6addr attributes

Replace Object

PUT

/axapi/v3/logging/host/ipv6addr/{host-ipv6}

ipv6addr attributes

```
PUT /axapi/v3/logging/host/ipv6addr/2003::1
Payload:
{
    "ipv6addr": {
        "host-ipv6": "2003::1",
        "port": 2
    }
}
```

Replace List

PUT

/axapi/v3/logging/host/ipv6addr

ipv6addr-list

Delete Object

DELETE

/axapi/v3/logging/host/ipv6addr/{host-ipv6}

ipv6addr attributes

```
DELETE /axapi/v3/logging/host/ipv6addr/2003::1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6addr-list

ipv6addr-list is **JSON List** of *ipv6addr attributes*

ipv6addr-list : [

{ *ipv6addr attributes* },

{ *ipv6addr attributes* },

...

]

ipv6addr attributes

host-ipv6

Description Set syslog host ipv6 address

Type: string

Format: ipv6-address

over-tls

Description Enable remote logging over TLS session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Set remote syslog port number

Type: number

Range: 1-32767

Default: 514

tcp

Description Use TCP as transport protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port for connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.16 logging host partition

Specify preferred partition configuration

partition Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	partition
Element URI	/axapi/v3/logging/host/partition
Element Attributes	partition_attributes
Partition Visibility	shared
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/host/partition

partition attributes

```
POST /axapi/v3/logging/host/partition
Payload:
{
    "partition": {
        "partition-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/logging/host/partition

partition attributes

```
GET /axapi/v3/logging/host/partition
Reponse:
{
    "partition": {
        "partition-name": "a",
        "uuid": "90489db6-b5e5-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/host/partition"
    }
}
```

Modify Object

POST

/axapi/v3/logging/host/partition

partition attributes

Replace Object

PUT

/axapi/v3/logging/host/partition

partition attributes

```
PUT /axapi/v3/logging/host/partition
Payload:
{
    "partition": {
        "partition-name": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/host/partition

partition attributes

```
DELETE /axapi/v3/logging/host/partition
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

partition attributes

partition-name

Description Select partition name for logging

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Mutual Exclusion: partition-name and shared are mutually exclusive

Reference Object: */axapi/v3/partition*

shared

Description Select shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared and partition-name are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.17 logging local-log

local log

local-log Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	local-log
Element URI	/axapi/v3/logging/local-log
Element Attributes	local-log_attributes
Partition Visibility	shared
Schema	`local-log schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging/local-log

local-log_attributes

local-log attributes

access

Description: access is a **JSON Block**. Please see below for *access*

Type: Object

Reference Object: */axapi/v3/logging/local-log/access*

app-fw

Description: app-fw is a **JSON Block**. Please see below for *app-fw*

Type: Object

Reference Object: */axapi/v3/logging/local-log/app-fw*

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

Reference Object: */axapi/v3/logging/local-log/authentication*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Reference Object: */axapi/v3/logging/local-log/global*

access

Specification	Value
Type	*object*

log

Description: log is a **JSON Block**. Please see below for *access_log*

Type: Object

Reference Object: */axapi/v3/logging/local-log/access/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *access_top-n*

Type: Object

Reference Object: */axapi/v3/logging/local-log/access/top-n*

access_top-n

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

access_log

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication

Specification	Value
Type	*object*

log

Description: log is a **JSON Block**. Please see below for *authentication_log*

Type: Object

Reference Object: */axapi/v3/logging/local-log/authentication/log*

top-n

Description: top-n is a **JSON Block**. Please see below for *authentication_top-n*

Type: Object

Reference Object: */axapi/v3/logging/local-log/authentication/top-n*

authentication_top-n

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

authentication_log

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'enqueue': Total local-log enqueue; 'enqueue-full': Total local-log queue full; 'enqueue-error': Total local-log enqueue error; 'dequeue': Total local-log dequeue; 'dequeue-error': Total local-log dequeue processing error; 'raw-log': Total local-log raw logs; 'raw-log-error': Total raw log logging error; 'log-summarized': Total raw log summarized; 'l1-log-summarized': Total layer 1 log summarized; 'l2-log-summarized': Total layer 2 log summarized; 'log-summarized-error': Total local-log summarization error; 'aam-db': Total local-log AAM raw database; 'ep-db': Total local-log EP raw database; 'fw-db': Total local-log Firewall raw database; 'aam-top-user-db': Total local-log AAM top user summary database; 'ep-top-user-db': Total local-log EP top user summary database; 'ep-top-src-db': Total local-log EP top client summary database; 'ep-top-dst-db': Total local-log EP top destination summary database; 'ep-top-domain-db': Total local-log EP top domain summary database; 'ep-top-web-category-db': Total local-log EP top web-category summary database; 'ep-top-host-db': Total local-log EP top host summary database; 'fw-top-app-db': Total local-log Firewall top application summary database; 'fw-top-src-db': Total local-log Firewall top source summary database; 'fw-top-app-src-db': Total local-log Firewall top application and source summary database; 'fw-top-category-db': Total local-log Firewall top category summary database; 'db-erro': Total local-log database create error; 'query': Total local-log axapi query; 'response': Total local-log axapi response; 'query-error': Total local-log axapi query error; 'fw-top-thr-db': Total local-log Firewall top threat summary database; 'fw-top-thr-src-db': Total local-log Firewall top threat and source summary database;

Type: string

Supported Values: all, enqueue, enqueue-full, enqueue-error, dequeue, dequeue-error, raw-log, raw-log-error, log-summarized, l1-log-summarized, l2-log-summarized, log-summarized-error, aam-db, ep-db, fw-db, aam-top-user-db, ep-top-user-db, ep-top-src-db, ep-top-dst-db, ep-top-domain-db, ep-top-web-category-db, ep-top-host-db, fw-top-app-db, fw-top-src-db, fw-top-app-src-db, fw-top-category-db, db-erro, query, response, query-error, fw-top-thr-db, fw-top-thr-src-db

app-fw

Specification	Value
Type	*object*

dot-plot

Description: dot-plot is a **JSON Block**. Please see below for *app-fw_dot-plot*

Type: Object

Reference Object: */axapi/v3/logging/local-log/app-fw/dot-plot*

top-n

Description: top-n is a **JSON Block**. Please see below for *app-fw_top-n*

Type: Object

Reference Object: */axapi/v3/logging/local-log/app-fw/top-n*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-fw_top-n

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-fw_dot-plot

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.18 logging local-log access log oper

Operational Status for the object log

log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	log
Element URI	/axapi/v3/logging/local-log/access/log/oper
Element Attributes	log_attributes
Partition Visibility	None
Schema	`log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/access/log/oper

log attributes

Get Object

GET

/axapi/v3/logging/local-log/access/log/oper

log attributes

Modify Object

POST

/axapi/v3/logging/local-log/access/log/oper

log attributes

Replace Object

PUT

/axapi/v3/logging/local-log/access/log/oper

log attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/access/log/oper

log attributes

log attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

max-entries

Description

Type: number

start-time

Description

Type: string

total

Description

Type: number

oper_log-list

Specification	Value
Type	*list*
Block object keys	

action

Description

Type: string

client-ip

Description

Type: string

Format: ipv4-address

destination-ip

Description

Type: string

Format: ipv4-address

destination-port

Description

Type: number

policy

Description

Type: string

reason

Description

Type: string

source-port

Description

Type: number

ssl-status

Description

Type: string

time

Description

Type: string

uri

Description

Type: string

user-domain

Description

Type: string

user-name

Description

Type: string

vip-name

Description

Type: string

vip-port

Description

Type: number

web-category

Description

Type: string

web-domain

Description

Type: string

web-reputation

Description

Type: string

2.73.19 logging local-log access top-n oper

Operational Status for the object top-n

top-n Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-n
Element URI	/axapi/v3/logging/local-log/access/top-n/oper
Element Attributes	top-n_attributes
Partition Visibility	None
Schema	`top-n schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/access/top-n/oper

top-n attributes

Get Object

GET

/axapi/v3/logging/local-log/access/top-n/oper

top-n attributes

Modify Object

POST

/axapi/v3/logging/local-log/access/top-n/oper

top-n attributes

Replace Object

PUT

/axapi/v3/logging/local-log/access/top-n/oper

top-n attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/access/top-n/oper

top-n attributes

top-n attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

action

Description

Type: string

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

max-entries

Description

Type: number

start-time

Description

Type: string

top

Description

Type: string

total

Description

Type: number

oper_log-list

Specification	Value
Type	*list*
Block object keys	

counter

Description

Type: number

name

Description

Type: string

2.73.20 logging local-log app-fw dot-plot oper

Operational Status for the object dot-plot

dot-plot Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dot-plot
Element URI	/axapi/v3/logging/local-log/app-fw/dot-plot/oper
Element Attributes	dot-plot_attributes
Partition Visibility	None
Schema	`dot-plot schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/app-fw/dot-plot/oper

dot-plot attributes

Get Object

GET

/axapi/v3/logging/local-log/app-fw/dot-plot/oper

dot-plot attributes

Modify Object

POST

/axapi/v3/logging/local-log/app-fw/dot-plot/oper

dot-plot attributes

Replace Object

PUT

/axapi/v3/logging/local-log/app-fw/dot-plot/oper

dot-plot attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/app-fw/dot-plot/oper

dot-plot attributes

dot-plot attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

application-name

Description

Type: string

client-ip

Description

Type: string

Format: ipv4-address

data

Description

Type: string

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

start-time

Description

Type: string

total

Description

Type: number

oper_log-list

Specification	Value
Type	*list*
Block object keys	

counter

Description

Type: number

2.73.21 logging local-log app-fw oper

Operational Status for the object app-fw

app-fw Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	app-fw
Element URI	/axapi/v3/logging/local-log/app-fw/oper
Element Attributes	app-fw_attributes
Partition Visibility	None
Schema	`app-fw schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/app-fw/oper

app-fw attributes

Get Object

GET

/axapi/v3/logging/local-log/app-fw/oper

app-fw attributes

Modify Object

POST

/axapi/v3/logging/local-log/app-fw/oper

app-fw attributes

Replace Object

PUT

/axapi/v3/logging/local-log/app-fw/oper

app-fw attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/app-fw/oper

app-fw attributes

app-fw attributes

dot-plot

Description: dot-plot is a **JSON Block**. Please see below for *dot-plot*

Type: Object

Reference Object: /axapi/v3/logging/local-log/app-fw/top-n/dot-plot

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

top-n

Description: top-n is a **JSON Block**. Please see below for *top-n*

Type: Object

Reference Object: */axapi/v3/logging/local-log/app-fw/top-n*

oper

Specification	Value
Type	*object*

destination-threat-category-match

Description

Type: string

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

max-entries

Description

Type: number

source-threat-category-match

Description

Type: string

start-time

Description

Type: string

total

Description

Type: number

oper_log-list

Specification	Value
Type	*list*
Block object keys	

action

Description

Type: string

application-name

Description

Type: string

bytes

Description

Type: number

category

Description

Type: string

client-ip

Description

Type: string

Format: ipv4-address

destination-ip

Description

Type: string

Format: ipv4-address

destination-port

Description

Type: number

destination-threat-category

Description

Type: string

destination-threat-list-name

Description

Type: string

policy-name

Description

Type: string

rule-name

Description

Type: string

source-port

Description

Type: number

source-threat-category

Description

Type: string

source-threat-list-name

Description

Type: string

time

Description

Type: string

top-n

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *top-n_oper*

Type: Object

top-n_oper

Specification	Value
Type	*object*

action

Description

Type: string

application-name

Description

Type: string

category

Description

Type: string

client-ip

Description

Type: string

Format: ipv4-address

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

max-entries

Description

Type: number

start-time

Description

Type: string

threat-category

Description

Type: string

threat-category-match

Description

Type: string

top

Description

Type: string

total

Description

Type: number

top-n_oper_log-list

Specification	Value
Type	*list*
Block object keys	

counter

Description

Type: number

name

Description

Type: string

dot-plot

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *dot-plot_oper*

Type: Object

dot-plot_oper

Specification	Value
Type	*object*

application-name

Description

Type: string

client-ip

Description

Type: string

Format: ipv4-address

data

Description

Type: string

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

start-time

Description

Type: string

total

Description

Type: number

dot-plot_oper_log-list

Specification	Value
Type	*list*
Block object keys	

counter

Description

Type: number

2.73.22 logging local-log app-fw top-n oper

Operational Status for the object top-n

top-n Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-n
Element URI	/axapi/v3/logging/local-log/app-fw/top-n/oper
Element Attributes	top-n_attributes
Partition Visibility	None
Schema	`top-n schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/app-fw/top-n/oper

top-n attributes

Get Object

GET

/axapi/v3/logging/local-log/app-fw/top-n/oper

top-n attributes

Modify Object

POST

/axapi/v3/logging/local-log/app-fw/top-n/oper

top-n attributes

Replace Object

PUT

/axapi/v3/logging/local-log/app-fw/top-n/oper

top-n attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/app-fw/top-n/oper

top-n attributes

top-n attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

action

Description

Type: string

application-name

Description

Type: string

category

Description

Type: string

client-ip

Description

Type: string

Format: ipv4-address

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

max-entries

Description

Type: number

start-time

Description

Type: string

threat-category

Description

Type: string

threat-category-match

Description

Type: string

top

Description

Type: string

total

Description

Type: number

oper_log-list

Specification	Value
Type	*list*
Block object keys	

counter

Description

Type: number

name

Description

Type: string

2.73.23 logging local-log authentication log oper

Operational Status for the object log

log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	log
Element URI	/axapi/v3/logging/local-log/authentication/log/oper
Element Attributes	log_attributes
Partition Visibility	None
Schema	`log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/authentication/log/oper

log attributes

Get Object

GET

/axapi/v3/logging/local-log/authentication/log/oper

log attributes

Modify Object

POST

/axapi/v3/logging/local-log/authentication/log/oper

log attributes

Replace Object

PUT

/axapi/v3/logging/local-log/authentication/log/oper

log attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/authentication/log/oper

log attributes

log attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

max-entries

Description

Type: number

start-time

Description

Type: string

total

Description

Type: number

oper_log-list

Specification	Value
Type	*list*
Block object keys	

auth-result

Description

Type: string

client-ip

Description

Type: string

Format: ipv4-address

destination-ip

Description

Type: string

Format: ipv4-address

destination-port

Description

Type: number

source-port

Description

Type: number

time

Description

Type: string

user-domain

Description

Type: string

user-name

Description

Type: string

2.73.24 logging local-log authentication top-n oper

Operational Status for the object top-n

top-n Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-n
Element URI	/axapi/v3/logging/local-log/authentication/top-n/oper
Element Attributes	top-n_attributes
Partition Visibility	None
Schema	`top-n schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/authentication/top-n/oper

top-n attributes

Get Object

GET

/axapi/v3/logging/local-log/authentication/top-n/oper

top-n attributes

Modify Object

POST

/axapi/v3/logging/local-log/authentication/top-n/oper

top-n attributes

Replace Object

PUT

/axapi/v3/logging/local-log/authentication/top-n/oper

top-n attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/authentication/top-n/oper

top-n attributes

top-n attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

auth-result

Description

Type: string

interval

Description

Type: string

interval-position

Description

Type: string

log-list

Type: List

max-entries

Description

Type: number

start-time

Description

Type: string

top

Description

Type: string

total

Description

Type: number

oper_log-list

Specification	Value
Type	*list*
Block object keys	

counter

Description

Type: number

name

Description

Type: string

2.73.25 logging local-log global

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/logging/local-log/global
Element Attributes	global_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/logging/local-log/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/global

global attributes

```
POST /axapi/v3/logging/local-log/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/logging/local-log/global

global attributes

```
GET /axapi/v3/logging/local-log/global
Reponse:
{
    "global": {
        "uuid": "24d8764c-b5df-11ef-9360-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/logging/local-log/global"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/logging/local-log/global

global attributes

Replace Object

PUT

/axapi/v3/logging/local-log/global

global attributes

```
PUT /axapi/v3/logging/local-log/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "enqueue"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/local-log/global

global attributes

```
DELETE /axapi/v3/logging/local-log/global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'enqueue': Total local-log enqueue; 'enqueue-full': Total local-log queue full; 'enqueue-error': Total local-log enqueue error; 'dequeue': Total local-log dequeue; 'dequeue-error': Total local-log dequeue processing error; 'raw-log': Total local-log raw logs; 'raw-log-error': Total raw log logging error; 'log-summarized': Total raw log summarized; 'l1-log-summarized': Total layer 1 log summarized; 'l2-log-summarized': Total layer 2 log summarized; 'log-summarized-error': Total local-log summarization error; 'aam-db': Total local-log AAM raw database; 'ep-db': Total local-log EP raw database; 'fw-db': Total local-log Firewall raw database; 'aam-top-user-db': Total local-log AAM top user summary database; 'ep-top-user-db': Total local-log EP top user summary database; 'ep-top-src-db': Total local-log EP top client summary database; 'ep-top-dst-db': Total local-log EP top destination summary database; 'ep-top-domain-db': Total local-log EP top domain summary database; 'ep-top-web-category-db': Total local-log EP top web-category summary database; 'ep-top-host-db': Total local-log EP top host summary database; 'fw-top-app-db': Total local-log Firewall top application summary database; 'fw-top-src-db': Total local-log Firewall top source summary database; 'fw-top-app-src-db': Total local-log Firewall top application and source summary database; 'fw-top-category-db': Total local-log Firewall top category summary database; 'db-erro': Total local-log database create error; 'query': Total local-log axapi query; 'response': Total local-log axapi response; 'query-error': Total local-log axapi query error; 'fw-top-thr-db': Total local-log Firewall top threat summary database; 'fw-top-thr-src-db': Total local-log Firewall top threat and source summary database;

Type: string

Supported Values: all, enqueue, enqueue-full, enqueue-error, dequeue, dequeue-error, raw-log, raw-log-error, log-summarized, l1-log-summarized, l2-log-summarized, log-summarized-error, aam-db, ep-db, fw-db, aam-top-user-db, ep-top-user-db, ep-top-src-db, ep-top-dst-db, ep-top-domain-db, ep-top-web-category-db, ep-top-host-db, fw-top-app-db, fw-top-src-db, fw-top-app-src-db, fw-top-category-db, db-erro, query, response, query-error, fw-top-thr-db, fw-top-thr-src-db

2.73.26 logging local-log global stats

Statistics for the object global

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/logging/local-log/global/stats
Element Attributes	global_attributes
Partition Visibility	None
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/local-log/global/stats

global attributes

Get Object

GET

/axapi/v3/logging/local-log/global/stats

global attributes

Modify Object

POST

/axapi/v3/logging/local-log/global/stats

global attributes

Replace Object

PUT

/axapi/v3/logging/local-log/global/stats

global attributes

Delete Object

DELETE

/axapi/v3/logging/local-log/global/stats

global attributes

global attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

aam-db

Description Total local-log AAM raw database

Type: number

Format: counter

aam-top-user-db

Description Total local-log AAM top user summary database

Type: number

Format: counter

db-erro

Description Total local-log database create error

Type: number

Format: counter

dequeue

Description Total local-log dequeue

Type: number

Format: counter

dequeue-error

Description Total local-log dequeue processing error

Type: number

Format: counter

enqueue

Description Total local-log enqueue

Type: number

Format: counter

enqueue-error

Description Total local-log enqueue error

Type: number

Format: counter

enqueue-full

Description Total local-log queue full

Type: number

Format: counter

ep-db

Description Total local-log EP raw database

Type: number

Format: counter

ep-top-domain-db

Description Total local-log EP top domain summary database

Type: number

Format: counter

ep-top-dst-db

Description Total local-log EP top destination summary database

Type: number

Format: counter

ep-top-host-db

Description Total local-log EP top host summary database

Type: number

Format: counter

ep-top-src-db

Description Total local-log EP top client summary database

Type: number

Format: counter

ep-top-user-db

Description Total local-log EP top user summary database

Type: number

Format: counter

ep-top-web-category-db

Description Total local-log EP top web-category summary database

Type: number

Format: counter

fw-db

Description Total local-log Firewall raw database

Type: number

Format: counter

fw-top-app-db

Description Total local-log Firewall top application summary database

Type: number

Format: counter

fw-top-app-src-db

Description Total local-log Firewall top application and source summary database

Type: number

Format: counter

fw-top-category-db

Description Total local-log Firewall top category summary database

Type: number

Format: counter

fw-top-src-db

Description Total local-log Firewall top source summary database

Type: number

Format: counter

fw-top-thr-db

Description Total local-log Firewall top threat summary database

Type: number

Format: counter

fw-top-thr-src-db

Description Total local-log Firewall top threat and source summary database

Type: number

Format: counter

l1-log-summarized

Description Total layer 1 log summarized

Type: number

Format: counter

l2-log-summarized

Description Total layer 2 log summarized

Type: number

Format: counter

log-summarized

Description Total raw log summarized

Type: number

Format: counter

log-summarized-error

Description Total local-log summarization error

Type: number

Format: counter

query

Description Total local-log axapi query

Type: number

Format: counter

query-error

Description Total local-log axapi query error

Type: number

Format: counter

raw-log

Description Total local-log raw logs

Type: number

Format: counter

raw-log-error

Description Total raw log logging error

Type: number

Format: counter

response

Description Total local-log axapi response

Type: number

Format: counter

2.73.27 logging lsn

Set LSN logging parameters

lsn Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	lsn
Element URI	/axapi/v3/logging/lsn
Element Attributes	lsn_attributes
Partition Visibility	shared
Schema	`lsn schema`

Operations Allowed:

Get Object

GET

/axapi/v3/logging/lsn

lsn_attributes

lsn attributes

log-suppression

Description: log-suppression is a **JSON Block**. Please see below for *log-suppression*

Type: Object

Reference Object: */axapi/v3/logging/lsn/log-suppression*

port-unavailable

Description: port-unavailable is a **JSON Block**. Please see below for *port-unavailable*

Type: Object

Reference Object: */axapi/v3/logging/lsn/port-unavailable*

quota-exceeded

Description: quota-exceeded is a **JSON Block**. Please see below for *quota-exceeded*

Type: Object

Reference Object: */axapi/v3/logging/lsn/quota-exceeded*

quota-exceeded

Specification	Value
Type	*object*

custom1

Description Customized attribute No.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom2

Description Customized attribute No.2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom3

Description Customized attribute No.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom4

Description Customized attribute No.4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom5

Description Customized attribute No.5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom6

Description Customized attribute No.6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-pool-based

Description Disable log LSN user quota exceeded based on LSN pool(Default: enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imei

Description International Mobile Equipment Identity (IMEI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imsi

Description International Mobile Subscriber Identity (IMSI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-based

Description Log LSN user quota exceeded based on private IP(Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn

Description Mobile Subscriber Integrated Services Digital Netwrok-Number (MSISDN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

with-radius-attribute

Description Log with radius attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-unavailable

Specification	Value
Type	*object*

ip-based

Description Log LSN port unavailable based on NAT IP (Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log-suppression

Specification	Value
Type	*object*

count

Description Configure log suppression count (default: 100)

Type: number

Range: 50-500

Default: 100

time

Description Log generation timeout(default: 30 seconds)

Type: number

Range: 1-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.28 logging lsn log-suppression

Set LSN system log generation parameters

log-suppression Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	log-suppression
Element URI	/axapi/v3/logging/lsn/log-suppression
Element Attributes	log-suppression_attributes
Partition Visibility	shared
Schema	`log-suppression schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

```
POST /axapi/v3/logging/lsn/log-suppression
Payload:
{
    "log-suppression": {
        "time": 1
    }
}
```

Get Object

GET

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

```
GET /axapi/v3/logging/lsn/log-suppression
Reponse:
{
    "log-suppression": {
        "time": 1,
        "count": 100,
        "uuid": "24d864b8-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/lsn/log-suppression"
    }
}
```

Modify Object

POST

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

Replace Object

PUT

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

```
PUT /axapi/v3/logging/lsn/log-suppression
Payload:
{
    "log-suppression": {
        "time": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/lsn/log-suppression

log-suppression attributes

```
DELETE /axapi/v3/logging/lsn/log-suppression
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

log-suppression attributes

count

Description Configure log suppression count (default: 100)

Type: number

Range: 50-500

Default: 100

time

Description Log generation timeout(default: 30 seconds)

Type: number

Range: 1-300

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.29 logging lsn port-unavailable

Set LSN system log policy when port unavailable occur

port-unavailable Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	port-unavailable
Element URI	/axapi/v3/logging/lsn/port-unavailable
Element Attributes	port-unavailable_attributes
Partition Visibility	shared
Schema	`port-unavailable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/lsn/port-unavailable

port-unavailable attributes

```
POST /axapi/v3/logging/lsn/port-unavailable
Payload:
{
    "port-unavailable": {
        "ip-based": 1
    }
}
```

Get Object

GET

/axapi/v3/logging/lsn/port-unavailable

port-unavailable attributes

```
GET /axapi/v3/logging/lsn/port-unavailable
Reponse:
{
    "port-unavailable": {
        "ip-based": 1,
        "uuid": "24d86684-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/lsn/port-unavailable"
    }
}
```

Modify Object

POST

/axapi/v3/logging/lsn/port-unavailable

port-unavailable attributes

Replace Object

PUT

/axapi/v3/logging/lsn/port-unavailable

port-unavailable attributes

```
PUT /axapi/v3/logging/lsn/port-unavailable
Payload:
{
    "port-unavailable": {
        "ip-based": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/lsn/port-unavailable

port-unavailable attributes

```
DELETE /axapi/v3/logging/lsn/port-unavailable
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

port-unavailable attributes

ip-based

Description Log LSN port unavailable based on NAT IP (Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.30 logging lsn quota-exceeded

Set LSN quota exceeded log parameters

quota-exceeded Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	quota-exceeded
Element URI	/axapi/v3/logging/lsn/quota-exceeded
Element Attributes	quota-exceeded_attributes
Partition Visibility	shared
Schema	`quota-exceeded schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

```
POST /axapi/v3/logging/lsn/quota-exceeded
Payload:
{
    "quota-exceeded": {
        "ip-based": 1,
        "with-radius-attribute": 1,
        "custom1": 1,
        "custom2": 1,
        "custom3": 1,
        "custom4": 1,
        "custom5": 1,
        "custom6": 1,
        "imei": 1,
        "imsi": 1,
        "msisdn": 1
    }
}
```

Get Object

GET

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

```
GET /axapi/v3/logging/lsn/quota-exceeded
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "quota-exceeded": {
        "ip-based": 1,
        "disable-pool-based": 0,
        "with-radius-attribute": 1,
        "custom1": 1,
        "custom2": 1,
        "custom3": 1,
        "custom4": 1,
        "custom5": 1,
        "custom6": 1,
        "imei": 1,
        "imsi": 1,
        "msisdn": 1,
        "uuid": "24d862d8-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/lsn/quota-exceeded"
    }
}
```

Modify Object

POST

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

Replace Object

PUT

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

```
PUT /axapi/v3/logging/lsn/quota-exceeded
Payload:
{
    "quota-exceeded": {
        "ip-based": 1,
        "with-radius-attribute": 1,
        "custom1": 1,
        "custom2": 1,
        "custom3": 1,
        "custom4": 1,
        "custom5": 1,
        "custom6": 1,
        "imei": 1,
        "imsi": 1,
        "msisdn": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/logging/lsn/quota-exceeded

quota-exceeded attributes

```
DELETE /axapi/v3/logging/lsn/quota-exceeded
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

quota-exceeded attributes

custom1

Description Customized attribute No.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom2

Description Customized attribute No.2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom3

Description Customized attribute No.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom4

Description Customized attribute No.4

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom5

Description Customized attribute No.5

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom6

Description Customized attribute No.6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-pool-based

Description Disable log LSN user quota exceeded based on LSN pool(Default: enabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imei

Description International Mobile Equipment Identity (IMEI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

imsi

Description International Mobile Subscriber Identity (IMSI)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-based

Description Log LSN user quota exceeded based on private IP(Default: disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn

Description Mobile Subscriber Integrated Services Digital Netwrok-Number (MSISDN)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

with-radius-attribute

Description Log with radius attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.73.31 logging monitor

Set terminal monitor logging level

monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	monitor
Element URI	/axapi/v3/logging/monitor
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/monitor

monitor attributes

```
POST /axapi/v3/logging/monitor
Payload:
{
    "monitor": {
        "monitor-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/monitor

monitor attributes

```
GET /axapi/v3/logging/monitor
Reponse:
{
    "monitor": {
```

(continues on next page)

(continued from previous page)

```
        "monitor-levelname": "disable",
        "uuid": "24d85392-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/monitor"
    }
}
```

Modify Object

POST

/axapi/v3/logging/monitor

monitor attributes

Replace Object

PUT

/axapi/v3/logging/monitor

monitor attributes

Delete Object

DELETE

/axapi/v3/logging/monitor

monitor attributes

```
DELETE /axapi/v3/logging/monitor
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

monitor attributes

monitor-levelname

Description 'disable': Do not send log to monitor; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.32 logging single-priority

Set single-priority logging

single-priority Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*levelname*
Collection Name	*single-priority-list*
Collection URI	/axapi/v3/logging/single-priority
Element Name	single-priority
Element URI	/axapi/v3/logging/single-priority/{levelname}
Element Attributes	single-priority_attributes
Partition Visibility	shared
Schema	`single-priority schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/single-priority

single-priority attributes

```
POST /axapi/v3/logging/single-priority/
Payload:
{
    "single-priority": {
        "levelname": "emergency"
    }
}
```

Create List

POST

/axapi/v3/logging/single-priority

single-priority attributes

Get Object

GET

/axapi/v3/logging/single-priority/{levelname}

single-priority attributes

```
GET /axapi/v3/logging/single-priority/emergency
Reponse:
{
    "single-priority": {
        "levelname": "emergency",
        "uuid": "ab0f8a40-b5e7-11ef-867e-ae71681635d0",
        "a10-url": "/axapi/v3/logging/single-priority/emergency"
    }
}
```

Get List

GET

/axapi/v3/logging/single-priority

single-priority-list

Modify Object

POST

/axapi/v3/logging/single-priority/{levelname}

single-priority attributes

Replace Object

PUT

/axapi/v3/logging/single-priority/{levelname}

single-priority attributes

```
PUT /axapi/v3/logging/single-priority/emergency
Payload:
{
    "single-priority": {
        "levelname": "emergency"
    }
}
```

Replace List

PUT

/axapi/v3/logging/single-priority

single-priority-list

Delete Object

DELETE

/axapi/v3/logging/single-priority/{levelname}

single-priority attributes

```
DELETE /axapi/v3/logging/single-priority/emergency
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

single-priority-list

single-priority-list is **JSON List** of *single-priority attributes*

single-priority-list : [

{ *single-priority attributes* },

{ *single-priority attributes* },

...

]

single-priority attributes

levelname

Description 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: emergency, alert, critical, error, warning, notification, information, debugging

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.33 logging syslog

Set logging level which sent to syslog host

syslog Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	syslog
Element URI	/axapi/v3/logging/syslog
Element Attributes	syslog_attributes
Partition Visibility	shared
Schema	`syslog schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/syslog

syslog attributes

```
POST /axapi/v3/logging/syslog
Payload:
{
    "syslog": {
        "syslog-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/syslog

syslog attributes

```
GET /axapi/v3/logging/syslog
Reponse:
{
    "syslog": {
        "syslog-levelname": "disable",
        "uuid": "24d85554-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/syslog"
    }
}
```

Modify Object

POST

/axapi/v3/logging/syslog

syslog attributes

Replace Object

PUT

/axapi/v3/logging/syslog

syslog attributes

Delete Object

DELETE

/axapi/v3/logging/syslog

syslog attributes

```
DELETE /axapi/v3/logging/syslog
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

syslog attributes

syslog-levelname

Description 'disable': Do not send log to syslog; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2); 'error': Error conditions (severity=3); 'warning': Warning conditions (severity=4); 'notification': Normal but significant conditions (severity=5); 'information': Informational messages (severity=6); 'debugging': Debug level messages (severity=7);

Type: string

Supported Values: disable, emergency, alert, critical, error, warning, notification, information, debugging

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.73.34 logging trap

Set logging level which sent to snmp trap host

trap Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	trap
Element URI	/axapi/v3/logging/trap
Element Attributes	trap_attributes
Partition Visibility	shared
Schema	`trap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/logging/trap

trap attributes

```
POST /axapi/v3/logging/trap
Payload:
{
    "trap": {
        "trap-levelname": "disable"
    }
}
```

Get Object

GET

/axapi/v3/logging/trap

trap attributes

```
GET /axapi/v3/logging/trap
Reponse:
{
    "trap": {
        "trap-levelname": "disable",
        "uuid": "24d858d8-b5df-11ef-9360-ae71681635d0",
        "a10-url": "/axapi/v3/logging/trap"
    }
}
```

Modify Object

POST

/axapi/v3/logging/trap

trap attributes

Replace Object

PUT

/axapi/v3/logging/trap

trap attributes

Delete Object

DELETE

/axapi/v3/logging/trap

trap attributes

```
DELETE /axapi/v3/logging/trap
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

trap attributes

trap-levelname

Description 'disable': Do not send trap to snmp host; 'emergency': System unusable log messages (severity=0); 'alert': Action must be taken immediately (severity=1); 'critical': Critical conditions (severity=2);

Type: string

Supported Values: disable, emergency, alert, critical

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.74 maximum-paths

Objects:

2.74.1 maximum-paths

Set maximum number of route multipaths installed into FIB

maximum-paths Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	maximum-paths
Element URI	/axapi/v3/maximum-paths
Element Attributes	maximum-paths_attributes
Partition Visibility	shared
Schema	`maximum-paths schema`

Operations Allowed:

Create Object

POST

/axapi/v3/maximum-paths

maximum-paths attributes

```
POST /axapi/v3/maximum-paths
Payload:
{
    "maximum-paths": {
        "path": 1
    }
}
```

Get Object

GET

/axapi/v3/maximum-paths

maximum-paths attributes

```
GET /axapi/v3/maximum-paths
Reponse:
{
    "maximum-paths": {
        "path": 1,
        "uuid": "c28d3e2a-09a1-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/maximum-paths"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/maximum-paths

maximum-paths attributes

Replace Object

PUT

/axapi/v3/maximum-paths

maximum-paths attributes

```
PUT /axapi/v3/maximum-paths
Payload:
{
    "maximum-paths": {
        "path": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/maximum-paths

maximum-paths attributes

```
DELETE /axapi/v3/maximum-paths
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

maximum-paths attributes

path

Description supported multipath numbers

Type: number

Range: 1-64

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.75 merge-mode-add

Objects:

2.75.1 merge-mode-add

Control block-merge mode behavior

merge-mode-add Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	merge-mode-add
Element URI	/axapi/v3/merge-mode-add
Element Attributes	merge-mode-add_attributes
Partition Visibility	shared
Schema	`merge-mode-add schema`

Operations Allowed:

Get Object

GET

/axapi/v3/merge-mode-add

merge-mode-add_attributes

merge-mode-add attributes

slb

Description: slb is a **JSON Block**. Please see below for *slb*

Type: Object

Reference Object: */axapi/v3/merge-mode-add/slb*

slb

Specification	Value
Type	*object*

member

Description Control block-merge behavior for slb service-group member

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Control block-merge behavior for slb server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-server-port

Description Control block-merge behavior for slb virtual-server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.75.2 merge-mode-add slb

Control block-merge mode behavior for slb objects

slb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb
Element URI	/axapi/v3/merge-mode-add/slb
Element Attributes	slb_attributes
Partition Visibility	shared
Schema	`slb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/merge-mode-add/slb

slb attributes

```
POST /axapi/v3/merge-mode-add/slb
Payload:
{
    "slb": {
        "server-port": 1
    }
}
```

Get Object

GET

/axapi/v3/merge-mode-add/slb

slb attributes

```
GET /axapi/v3/merge-mode-add/slb
Reponse:
{
    "slb": {
        "server-port": 1,
        "member": 0,
        "virtual-server-port": 0,
        "uuid": "d8bb1d5c-09a1-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/merge-mode-add/slb"
    }
}
```

Modify Object

POST

/axapi/v3/merge-mode-add/slb

slb attributes

Replace Object

PUT

/axapi/v3/merge-mode-add/slb

slb attributes

```
PUT /axapi/v3/merge-mode-add/slb
Payload:
{
    "slb": {
        "server-port": 0
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/merge-mode-add/slb

slb attributes

```
DELETE /axapi/v3/merge-mode-add/slb
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

slb attributes

member

Description Control block-merge behavior for slb service-group member

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Control block-merge behavior for slb server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-server-port

Description Control block-merge behavior for slb virtual-server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.76 mirror-port

Objects:

2.76.1 mirror-port

Enable a port to act as Mirror Port

mirror-port Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*mirror-index*
Collection Name	*mirror-port-list*
Collection URI	/axapi/v3/mirror-port
Element Name	mirror-port
Element URI	/axapi/v3/mirror-port/{mirror-index}
Element Attributes	mirror-port_attributes
Partition Visibility	shared
Schema	`mirror-port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/mirror-port

mirror-port attributes

```
POST /axapi/v3/mirror-port/
Payload:
{
    "mirror-port": {
        "ethernet": 1,
        "mirror-index": 1
    }
}
```

Create List

POST

/axapi/v3/mirror-port

mirror-port attributes

Get Object

GET

/axapi/v3/mirror-port/{mirror-index}

mirror-port attributes

```
GET /axapi/v3/mirror-port/1
Reponse:
{
    "mirror-port": {
        "mirror-index": 1,
        "ethernet": 1,
        "mirror-dir": "both",
        "uuid": "a99e269a-b6cc-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/mirror-port/1"
    }
}
```

Get List

GET

/axapi/v3/mirror-port

mirror-port-list

Modify Object

POST

/axapi/v3/mirror-port/{mirror-index}

mirror-port attributes

Replace Object

PUT

/axapi/v3/mirror-port/{mirror-index}

mirror-port attributes

```
PUT /axapi/v3/mirror-port/1
Payload:
{
    "mirror-port": {
        "ethernet": 1,
        "mirror-index": 1
    }
}
```

Replace List

PUT

/axapi/v3/mirror-port

mirror-port-list

Delete Object

DELETE

/axapi/v3/mirror-port/{mirror-index}

mirror-port attributes

```
DELETE /axapi/v3/mirror-port/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mirror-port-list

mirror-port-list is **JSON List** of *mirror-port attributes*

mirror-port-list : [

{ *mirror-port attributes* },

{ *mirror-port attributes* },

...

]

mirror-port attributes

ethernet

Description Ethernet port as mirror port (Port Value)

Type: number

Format: interface

mirror-dir

Description 'input': Mirror incoming packets to this port; 'output': Mirror outgoing packets to this port; 'both': Mirror both incoming and outgoing packets to this port;

Type: string

Supported Values: input, output, both

Default: both

mirror-index

Description Mirror index

Type: number

Range: 1-4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.77 misc

Objects:

2.77.1 misc

Delete Configuration file

misc Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	misc
Element URI	/axapi/v3/misc
Element Attributes	misc_attributes
Partition Visibility	None
Schema	`misc schema`

Operations Allowed:

Get Object

GET

/axapi/v3/misc

misc_attributes

misc attributes

2.77.2 misc top-level-lineage

Delete Configuration file

top-level-lineage Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	top-level-lineage
Element URI	/axapi/v3/misc/top-level-lineage
Element Attributes	top-level-lineage_attributes
Partition Visibility	None
Schema	`top-level-lineage schema`

Operations Allowed:

Get Object

GET

/axapi/v3/misc/top-level-lineage

top-level-lineage_attributes

top-level-lineage attributes

2.78 miscellenious-alb

Objects:

2.78.1 miscellenious-alb

Miscellenious Information Used for CLI rendering

miscellenious-alb Specification

Parameter	Value
Type	*operational*
Element Name	miscellenious-alb
Element URI	/axapi/v3/miscellenious-alb
Element Attributes	miscellenious-alb_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/miscellenious-alb/oper
Schema	`miscellenious-alb schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/miscellenious-alb

miscellenious-alb attributes

miscellenious-alb attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.78.2 miscellenious-alb oper

Operational Status for the object miscellenious-alb

miscellenious-alb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	miscellenious-alb
Element URI	/axapi/v3/miscellenious-alb/oper
Element Attributes	miscellenious-alb_attributes
Partition Visibility	None
Schema	`miscellenious-alb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/miscellenious-alb/oper

miscellenious-alb attributes

Get Object

GET

/axapi/v3/miscellenious-alb/oper

miscellenious-alb attributes

Modify Object

POST

/axapi/v3/miscellenious-alb/oper

miscellenious-alb attributes

Replace Object

PUT

/axapi/v3/miscellenious-alb/oper

miscellenious-alb attributes

Delete Object

DELETE

/axapi/v3/miscellenious-alb/oper

miscellenious-alb attributes

miscellenious-alb attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

crash-count

Description

Type: number

reboot-num

Description

Type: number

uptime

Description

Type: number

2.79 monitor

Objects:

2.79.1 monitor

System monitor configuration

monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	monitor
Element URI	/axapi/v3/monitor
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/monitor

monitor attributes

```
POST /axapi/v3/monitor
Payload:
{
    "monitor": {
        "disk": 1
    }
}
```

Get Object

GET

/axapi/v3/monitor

monitor attributes

```
GET /axapi/v3/monitor
Reponse:
{
    "monitor": {
        "disk": 1,
        "memory": 95,
        "ctrl-cpu": 90,
        "data-cpu": 90,
        "buffer-drop": 4000,
        "warn-temp": 68,
        "conn-type0": 32767,
        "conn-type1": 32767,
        "conn-type2": 32767,
        "conn-type3": 32767,
        "conn-type4": 32767,
        "smp-type0": 32767,
        "smp-type1": 32767,
        "smp-type2": 32767,
        "smp-type3": 32767,
        "smp-type4": 32767,
        "uuid": "898ade96-b6a6-11ef-b71b-ae71681635d0",
        "a10-url": "/axapi/v3/monitor"
    }
}
```

Modify Object

POST

/axapi/v3/monitor

monitor attributes

Replace Object

PUT

/axapi/v3/monitor

monitor attributes

```
PUT /axapi/v3/monitor
Payload:
{
    "monitor": {
        "disk": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/monitor

monitor attributes

```
DELETE /axapi/v3/monitor
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

monitor attributes

buffer-drop

Description Monitor buffer drop threshold (Threshold value)

Type: number

Range: 1-32767

Default: 4000

buffer-usage

Description Monitor IO buffer usage threshold (Threshold value)

Type: number

Range: 60000-4000000

conn-type0

Description Conn resource type 0 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

conn-type1

Description Conn resource type 1 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

conn-type2

Description Conn resource type 2 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

conn-type3

Description Conn resource type 3 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

conn-type4

Description Conn resource type 4 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

ctrl-cpu

Description Monitor control CPU threshold (Threshold value in percentage, default 90)

Type: number

Range: 1-100

Default: 90

data-cpu

Description Monitor data CPU threshold (Threshold value in percentage, default 90)

Type: number

Range: 1-100

Default: 90

disk

Description Monitor hard disk usage threshold (Threshold value in percentage, default 85)

Type: number

Range: 1-100

Default: 85

memory

Description Monitor memory usage threshold (Threshold value in percentage, default 95)

Type: number

Range: 1-100

Default: 95

smp-type0

Description SMP resource type 0 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

smp-type1

Description SMP resource type 1 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

smp-type2

Description SMP resource type 2 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

smp-type3

Description SMP resource type 3 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

smp-type4

Description SMP resource type 4 (Threshold value, default 32767)

Type: number

Range: 32767-256000000

Default: 32767

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

warn-temp

Description Monitor warning system temperature threshold (Threshold value in Celsius, default 1)

Type: number

2.80 multi-config

Objects:

2.80.1 multi-config

Set multi-config enable/disable

multi-config Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	multi-config
Element URI	/axapi/v3/multi-config
Element Attributes	multi-config_attributes
Partition Visibility	shared
Schema	`multi-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/multi-config

multi-config attributes

```
POST /axapi/v3/multi-config
Payload:
{
    "multi-config": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/multi-config

multi-config attributes

```
GET /axapi/v3/multi-config
Reponse:
{
    "multi-config": {
        "enable": 1,
        "uuid": "042b157a-b6a8-11ef-9616-ae71681635d0",
        "a10-url": "/axapi/v3/multi-config"
    }
}
```

Modify Object

POST

/axapi/v3/multi-config

multi-config attributes

Replace Object

PUT

/axapi/v3/multi-config

multi-config attributes

```
PUT /axapi/v3/multi-config
Payload:
{
    "multi-config": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/multi-config

multi-config attributes

multi-config attributes

enable

Description Enable multiple configuration mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.81 net-mgmt

Objects:

2.81.1 net-mgmt

Network Management

net-mgmt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	net-mgmt
Element URI	/axapi/v3/net-mgmt
Element Attributes	net-mgmt_attributes
Partition Visibility	shared
Schema	`net-mgmt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/net-mgmt

net-mgmt attributes

```
POST /axapi/v3/net-mgmt
Payload:
{
    "net-mgmt": {
        "snmp": {}
    }
}
```

Get Object

GET

/axapi/v3/net-mgmt

net-mgmt attributes

Modify Object

POST

/axapi/v3/net-mgmt

net-mgmt attributes

Replace Object

PUT

/axapi/v3/net-mgmt

net-mgmt attributes

Delete Object

DELETE

/axapi/v3/net-mgmt

net-mgmt attributes

net-mgmt attributes

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Reference Object: */axapi/v3/net-mgmt/snmp*

snmp

Specification	Value
Type	*object*

engineID

Description: engineID is a **JSON Block**. Please see below for *snmp_engineID*

Type: Object

Reference Object: */axapi/v3/net-mgmt/snmp/engineID*

stats

Description: stats is a **JSON Block**. Please see below for *snmp_stats*

Type: Object

Reference Object: */axapi/v3/net-mgmt/snmp/stats*

snmp_stats

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp_engineID

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.81.2 net-mgmt snmp

SNMP data

snmp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	snmp
Element URI	/axapi/v3/net-mgmt/snmp
Element Attributes	snmp_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/net-mgmt/snmp/stats
Schema	`snmp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/net-mgmt/snmp

snmp_attributes

snmp attributes

engineID

Description: engineID is a **JSON Block**. Please see below for *engineID*

Type: Object

Reference Object: */axapi/v3/net-mgmt/snmp/engineID*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

Reference Object: */axapi/v3/net-mgmt/snmp/stats*

stats

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

engineID

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.81.3 net-mgmt snmp engineID

SNMP engineID

engineID Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	engineID
Element URI	/axapi/v3/net-mgmt/snmp/engineID
Element Attributes	engineID_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/net-mgmt/snmp/engineID/oper
Schema	`engineID schema`

Operations Allowed:

Create Object

POST

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

Get Object

GET

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

Modify Object

POST

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

Replace Object

PUT

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

Delete Object

DELETE

/axapi/v3/net-mgmt/snmp/engineID

engineID attributes

engineID attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.81.4 net-mgmt snmp engineID oper

Operational Status for the object engineID

engineID Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	engineID
Element URI	/axapi/v3/net-mgmt/snmp/engineID/oper
Element Attributes	engineID_attributes
Partition Visibility	None
Schema	`engineID schema`

Operations Allowed:

Create Object

POST

/axapi/v3/net-mgmt/snmp/engineID/oper

engineID attributes

Get Object

GET

/axapi/v3/net-mgmt/snmp/engineID/oper

engineID attributes

Modify Object

POST

/axapi/v3/net-mgmt/snmp/engineID/oper

engineID attributes

Replace Object

PUT

/axapi/v3/net-mgmt/snmp/engineID/oper

engineID attributes

Delete Object

DELETE

/axapi/v3/net-mgmt/snmp/engineID/oper

engineID attributes

engineID attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

engineid

Description

Type: string

2.81.5 net-mgmt snmp stats

SNMP stats

stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stats
Element URI	/axapi/v3/net-mgmt/snmp/stats
Element Attributes	stats_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/net-mgmt/snmp/stats/oper
Schema	`stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/net-mgmt/snmp/stats

stats attributes

Get Object

GET

/axapi/v3/net-mgmt/snmp/stats

stats attributes

Modify Object

POST

/axapi/v3/net-mgmt/snmp/stats

stats attributes

Replace Object

PUT

/axapi/v3/net-mgmt/snmp/stats

stats attributes

Delete Object

DELETE

/axapi/v3/net-mgmt/snmp/stats

stats attributes

stats attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.81.6 net-mgmt snmp stats oper

Operational Status for the object stats

stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stats
Element URI	/axapi/v3/net-mgmt/snmp/stats/oper
Element Attributes	stats_attributes
Partition Visibility	None
Schema	`stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/net-mgmt/snmp/stats/oper

stats attributes

Get Object

GET

/axapi/v3/net-mgmt/snmp/stats/oper

stats attributes

Modify Object

POST

/axapi/v3/net-mgmt/snmp/stats/oper

stats attributes

Replace Object

PUT

/axapi/v3/net-mgmt/snmp/stats/oper

stats attributes

Delete Object

DELETE

/axapi/v3/net-mgmt/snmp/stats/oper

stats attributes

stats attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

bad-values-errors

Description

Type: number

bad-version

Description

Type: number

encoding-error

Description

Type: number

general-errors

Description

Type: number

get-next-pdu

Description

Type: number

get-req-pdu

Description

Type: number

get-resp-pdu

Description

Type: number

illegal-operation

Description

Type: number

input-packets

Description

Type: number

invalid-id

Description

Type: number

no-such-name-errors

Description

Type: number

number-of-req-var

Description

Type: number

output-packets

Description

Type: number

output-traps

Description

Type: number

packet-drop

Description

Type: number

too-big-errors

Description

Type: number

unknown-community

Description

Type: number

unknown-security-models

Description

Type: number

2.82 netflow

Objects:

2.82.1 netflow

Configure NetFlow/IPFIX

netflow Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	netflow
Element URI	/axapi/v3/netflow
Element Attributes	netflow_attributes
Partition Visibility	shared
Schema	`netflow schema`

Operations Allowed:

Get Object

GET

/axapi/v3/netflow

netflow_attributes

netflow attributes

collector

Description: collector is a **JSON Block**. Please see below for *collector*

Type: Object

Reference Object: */axapi/v3/netflow/collector*

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Reference Object: */axapi/v3/netflow/common*

monitor-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}*

template-list

Type: List

Reference Object: */axapi/v3/netflow/template/{name}*

use-partition

Description: use-partition is a **JSON Block**. Please see below for *use-partition*

Type: Object

Reference Object: */axapi/v3/netflow/use-partition*

monitor-list

Specification	Value
Type	*list*
Block object keys	

counter-polling-interval

Description Configure the interval to export global counters (Number of seconds: default is 60)

Type: number

Range: 1-3600

Default: 60

custom-record

Description: custom-record is a **JSON Block**. Please see below for *monitor-list_custom-record*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/custom-record*

destination

Description: destination is a **JSON Block**. Please see below for *monitor-list_destination*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/destination*

disable

Description Disable this netflow monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *monitor-list_disable-log-by-destination*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination*

flow-timeout

Description Configure timeout value to export flow records periodically for long-live session (Number of minutes: default is 10, 0 means only send flow record when session is deleted)

Type: number

Range: 0-1440

Default: 10

name

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/netflow-monitor-tmpl*

protocol

Description 'v9': Netflow version 9; 'v10': Netflow version 10 (IPFIX);

Type: string

Supported Values: v9, v10

Default: v9

record

Description: record is a **JSON Block**. Please see below for *monitor-list_record*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/record*

resend-template

Description: resend-template is a **JSON Block**. Please see below for *monitor-list_resend-template*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/resend-template*

sample

Description: sample is a **JSON Block**. Please see below for *monitor-list_sample*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/sample*

sampling-enable

Type: List

scope

Description 'global': Netflow monitor is activated globally (Default); 'firewall-rule': Netflow monitor is only activated when referenced by a firewall rule;

Type: string

Supported Values: global, firewall-rule

Default: global

source-address

Description: source-address is a **JSON Block**. Please see below for *monitor-list_source-address*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/source-address*

source-ip-use-mgmt

Description Use management interface's IP address for source ip of netflow packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_custom-record

Specification	Value
Type	*object*

custom-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_custom-record_custom-cfg

Specification	Value
Type	*list*
Block object keys	

event

Description 'sesn-event-nat44-creation': Export NAT44 session creation events; 'sesn-event-nat44-deletion': Export NAT44 session deletion events; 'sesn-event-nat64-creation': Export NAT64 session creation events; 'sesn-event-nat64-deletion': Export NAT64 session deletion events; 'sesn-event-dslite-creation': Export Dslite session creation events; 'sesn-event-dslite-deletion': Export Dslite session deletion events; 'sesn-event-fw4-creation': Export FW4 session creation events; 'sesn-event-fw4-deletion': Export FW4 session deletion events; 'sesn-event-fw6-creation': Export FW6 session creation events; 'sesn-event-fw6-deletion': Export FW6 session deletion events; 'deny-reset-event-fw4': Export FW4 Deny Reset events; 'deny-reset-event-fw6': Export FW6 Deny Reset events; 'port-mapping-nat44-creation': Export NAT44 Port Mapping Creation Event; 'port-mapping-nat44-deletion': Export NAT44 Port Mapping Deletion Event; 'port-mapping-nat64-creation': Export NAT64 Port Mapping Creation Event; 'port-mapping-nat64-deletion': Export NAT64 Port Mapping Deletion Event; 'port-mapping-dslite-creation': Export Dslite Port Mapping Creation Event; 'port-mapping-dslite-deletion': Export Dslite Port Mapping Deletion Event; 'port-batch-nat44-creation': Export NAT44 Port Batch Creation Event; 'port-batch-nat44-deletion': Export NAT44 Port Batch Deletion Event; 'port-batch-nat64-creation': Export NAT64 Port Batch Creation Event; 'port-batch-nat64-deletion': Export NAT64 Port Batch Deletion Event; 'port-batch-dslite-creation': Export Dslite Port Batch Creation Event; 'port-batch-dslite-deletion': Export Dslite Port Batch Deletion Event; 'port-batch-v2-nat44-creation': Export NAT44 Port Batch v2 Creation Event; 'port-batch-v2-nat44-deletion': Export NAT44 Port Batch v2 Deletion Event; 'port-batch-v2-nat64-creation': Export NAT64 Port Batch v2 Creation Event; 'port-batch-v2-nat64-deletion': Export NAT64 Port Batch v2 Deletion Event; 'port-batch-v2-dslite-creation': Export Dslite Port Batch v2 Creation Event; 'port-batch-v2-dslite-deletion': Export Dslite Port Batch v2 Deletion Event; 'gtp-c-tunnel-event': Export GTP Control Tunnel Creation or Deletion Events; 'gtp-u-tunnel-event': Export GTP User Tunnel Creation or Deletion Events; 'gtp-deny-event': Export GTP Deny events on GTP C/U Tunnels; 'gtp-info-event': Export GTP Info events on GTP C/U Tunnels; 'fw-ddos-entry-creation': Export FW iDDoS Entry Created Record; 'fw-ddos-entry-deletion': Export FW iDDoS Entry Deleted Record; 'fw-session-limit-exceeded': Export FW Session Limit Exceeded Record; 'cgn-ddos-l3-entry-creation': Export CGN iDDoS L3 Entry Creation; 'cgn-ddos-l3-entry-deletion': Export CGN iDDoS L3 Entry Deletion; 'cgn-ddos-l4-entry-creation': Export CGN iDDoS L4 Entry Creation; 'cgn-ddos-l4-entry-deletion': Export CGN iDDoS L4 Entry Deletion; 'gtp-rate-limit-periodic': Export GTP Rate Limit Periodic;

Type: string

Supported Values: sesn-event-nat44-creation, sesn-event-nat44-deletion, sesn-event-nat64-creation, sesn-event-nat64-deletion, sesn-event-dslite-creation, sesn-event-dslite-deletion, sesn-event-fw4-creation, sesn-event-fw4-deletion, sesn-event-fw6-creation, sesn-event-fw6-deletion, deny-reset-event-fw4, deny-reset-event-fw6, port-mapping-nat44-creation, port-mapping-nat44-deletion, port-mapping-nat64-creation, port-mapping-nat64-deletion, port-mapping-dslite-creation, port-mapping-dslite-deletion, port-batch-nat44-creation, port-batch-nat44-deletion, port-batch-nat64-creation, port-batch-nat64-deletion, port-batch-

dslite-creation, port-batch-dslite-deletion, port-batch-v2-nat44-creation, port-batch-v2-nat44-deletion, port-batch-v2-nat64-creation, port-batch-v2-nat64-deletion, port-batch-v2-dslite-creation, port-batch-v2-dslite-deletion, gtp-c-tunnel-event, gtp-u-tunnel-event, gtp-deny-event, gtp-info-event, fw-ddos-entry-creation, fw-ddos-entry-deletion, fw-session-limit-exceeded, cgn-ddos-l3-entry-creation, cgn-ddos-l3-entry-deletion, cgn-ddos-l4-entry-creation, cgn-ddos-l4-entry-deletion, gtp-rate-limit-periodic

ipfix-template

Description Custom IPFIX Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/netflow/template*

monitor-list_sample

Specification	Value
Type	*object*

ethernet-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}*

nat-pool-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}*

ve-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}*

monitor-list_sample_ve-list

Specification	Value
Type	*list*
Block object keys	

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description VE interface number

Type: number

Range: 2-4094

Reference Object: */axapi/v3/interface/ve*

monitor-list_sample_nat-pool-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Name of nat pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_sample_ethernet-list

Specification	Value
Type	*list*
Block object keys	

ifindex

Description Ethernet interface number

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_source-address

Specification	Value
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_destination

Specification	Value
Type	*object*

ip-cfg

Description: ip-cfg is a **JSON Block**. Please see below for *monitor-list_destination_ip-cfg*

Type: Object

ipv6-cfg

Description: ipv6-cfg is a **JSON Block**. Please see below for *monitor-list_destination_ipv6-cfg*

Type: Object

service-group

Description Service-group for load balancing between multiple collector servers

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group, ip, and ipv6 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_destination_ip-cfg

Specification	Value
Type	*object*

ip

Description IP address of netflow collector

Type: string

Format: ipv4-address

Mutual Exclusion: ip, service-group, and ipv6 are mutually exclusive

port4

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

monitor-list_destination_ipv6-cfg

Specification	Value
Type	*object*

ipv6

Description IPv6 address of netflow collector

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6, service-group, and ip are mutually exclusive

port6

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

monitor-list_disable-log-by-destination

Specification	Value
Type	*object*

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_disable-log-by-destination_ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_disable-log-by-destination_ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_disable-log-by-destination_ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_disable-log-by-destination_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

monitor-list_record

Specification	Value
Type	*object*

ddos-general-stat

Description General DDOS statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos-http-stat

Description HTTP DDOS statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dslite

Description DS-Lite Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat44

Description NAT44 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat64

Description NAT64 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5

Description NetFlow V5 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5-ext

Description Extended NetFlow V5 Flow Record Template, supports ipv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-batch-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw4

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw6

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-sent': Sent Packets Count; 'bytes-sent': Sent Bytes Count; 'nat44-records-sent': NAT44 Flow Records Sent; 'nat44-records-sent-failure': NAT44 Flow Records Failed; 'nat64-records-sent': NAT64 Flow Records Sent; 'nat64-records-sent-failure': NAT64 Flow Records Failed; 'dslite-records-sent': Dslite Flow Records Sent; 'dslite-records-sent-failure': Dslite Flow Records Failed; 'session-event-nat44-records-sent': Nat44 Session Event Records Sent; 'session-event-nat44-records-sent-failure': Nat44 Session Event Records Failed; 'session-event-nat64-records-sent': Nat64 Session Event Records Sent; 'session-event-nat64-records-sent-failure': Nat64 Session Event Records Falied; 'session-event-dslite-records-sent': Dslite Session Event Records Sent; 'session-event-dslite-records-sent-failure': Dslite Session Event Records Failed; 'session-event-fw4-records-sent': FW4 Session Event Records Sent; 'session-event-fw4-records-sent-failure': FW4 Session Event Records Failed; 'session-event-fw6-records-sent': FW6 Session Event Records Sent; 'session-event-fw6-records-sent-failure': FW6 Session Event Records Failed; 'port-mapping-nat44-records-sent': Port Mapping Nat44 Event Records Sent; 'port-mapping-nat44-records-sent-failure': Port Mapping Nat44 Event Records Failed; 'port-mapping-nat64-records-sent': Port Mapping Nat64 Event Records Sent; 'port-mapping-nat64-records-sent-failure': Port Mapping Nat64 Event Records Failed; 'port-mapping-dslite-records-sent': Port Mapping Dslite Event Records Sent; 'port-mapping-dslite-records-sent-failure': Port Mapping Dslite Event Records failed; 'netflow-v5-records-sent': Netflow v5 Records Sent; 'netflow-v5-records-sent-failure': Netflow v5 Records Failed; 'netflow-v5-ext-records-sent': Netflow v5 Ext Records Sent; 'netflow-v5-ext-records-sent-failure': Netflow v5 Ext Records Failed; 'port-batching-nat44-records-sent': Port Batching Nat44 Records Sent; 'port-batching-nat44-records-sent-failure': Port Batching Nat44 Records Failed; 'port-batching-nat64-records-sent': Port Batching Nat64 Records Sent; 'port-batching-nat64-records-sent-failure': Port Batching Nat64 Records Failed; 'port-batching-dslite-records-sent': Port Batching Dslite Records Sent; 'port-batching-dslite-records-sent-failure': Port Batching Dslite Records Failed; 'port-batching-v2-nat44-records-sent': Port Batching V2 Nat44 Records Sent; 'port-batching-v2-nat44-records-sent-failure': Port Batching V2 Nat44 Records Failed; 'port-batching-v2-nat64-records-sent': Port Batching V2 Nat64 Records Sent; 'port-batching-v2-nat64-records-sent-failure': Port Batching V2 Nat64 Records Failed; 'port-batching-v2-dslite-records-sent': Port Batching V2 Dslite Records Sent; 'port-batching-v2-dslite-records-sent-failure': Port Batching V2 Dslite Records Falied; 'custom-session-event-nat44-creation-records-sent': Custom Nat44 Session Creation Records Sent; 'custom-session-event-nat44-creation-records-sent-failure': Custom Nat44 Session Creation Records Failed; 'custom-session-event-nat64-creation-records-sent': Custom Nat64 Session Creation Records Sent; 'custom-session-event-nat64-creation-records-sent-failure': Custom Nat64 Session Creation Records Failed; 'custom-session-event-dslite-creation-records-sent': Custom Dslite Session Creation Records Sent; 'custom-session-event-dslite-creation-records-sent-failure': Custom Dslite Session Creation Records Failed;

'custom-session-event-nat44-deletion-records-sent': Custom Nat44 Session Deletion Records Sent; 'custom-session-event-nat44-deletion-records-sent-failure': Custom Nat44 Session Deletion Records Failed; 'custom-session-event-nat64-deletion-records-sent': Custom Nat64 Session Deletion Records Sent; 'custom-session-event-nat64-deletion-records-sent-failure': Custom Nat64 Session Deletion Records Failed; 'custom-session-event-dslite-deletion-records-sent': Custom Dslite Session Deletion Records Sent; 'custom-session-event-dslite-deletion-records-sent-failure': Custom Dslite Session Deletion Records Failed; 'custom-session-event-fw4-creation-records-sent': Custom FW4 Session Creation Records Sent; 'custom-session-event-fw4-creation-records-sent-failure': Custom FW4 Session Creation Records Failed; 'custom-session-event-fw6-creation-records-sent': Custom FW6 Session Creation Records Sent; 'custom-session-event-fw6-creation-records-sent-failure': Custom FW6 Session Creation Records Failed; 'custom-session-event-fw4-deletion-records-sent': Custom FW4 Session Deletion Records Sent; 'custom-session-event-fw4-deletion-records-sent-failure': Custom FW4 Session Deletion Records Failed; 'custom-session-event-fw6-deletion-records-sent': Custom FW6 Session Deletion Records Sent; 'custom-session-event-fw6-deletion-records-sent-failure': Custom FW6 Session Deletion Records Failed; 'custom-deny-reset-event-fw4-records-sent': Custom FW4 Deny/Reset Event Records Sent; 'custom-deny-reset-event-fw4-records-sent-failure': Custom FW4 Deny/Reset Event Records Failed; 'custom-deny-reset-event-fw6-records-sent': Custom FW6 Deny/Reset Event Records Sent; 'custom-deny-reset-event-fw6-records-sent-failure': Custom FW6 Deny/Reset Event Records Failed; 'custom-port-mapping-nat44-creation-records-sent': Custom Nat44 Port Map Creation Records Sent; 'custom-port-mapping-nat44-creation-records-sent-failure': Custom Nat44 Port Map Creation Records Failed; 'custom-port-mapping-nat64-creation-records-sent': Custom Nat64 Port Map Creation Records Sent; 'custom-port-mapping-nat64-creation-records-sent-failure': Custom Nat64 Port Map Creation Records Failed; 'custom-port-mapping-dslite-creation-records-sent': Custom Dslite Port Map Creation Records Sent; 'custom-port-mapping-dslite-creation-records-sent-failure': Custom Dslite Port Map Creation Records Failed; 'custom-port-mapping-nat44-deletion-records-sent': Custom Nat44 Port Map Deletion Records Sent; 'custom-port-mapping-nat44-deletion-records-sent-failure': Custom Nat44 Port Map Deletion Records Failed; 'custom-port-mapping-nat64-deletion-records-sent': Custom Nat64 Port Map Deletion Records Sent; 'custom-port-mapping-nat64-deletion-records-sent-failure': Custom Nat64 Port Map Deletion Records Failed; 'custom-port-mapping-dslite-deletion-records-sent': Custom Dslite Port Map Deletion Records Sent; 'custom-port-mapping-dslite-deletion-records-sent-failure': Custom Dslite Port Map Deletion Records Failed; 'custom-port-batching-nat44-creation-records-sent': Custom Nat44 Port Batch Creation Records Sent; 'custom-port-batching-nat44-creation-records-sent-failure': Custom Nat44 Port Batch Creation Records Failed; 'custom-port-batching-nat64-creation-records-sent': Custom Nat64 Port Batch Creation Records Sent; 'custom-port-batching-nat64-creation-records-sent-failure': Custom Nat64 Port Batch Creation Records Failed; 'custom-port-batching-dslite-creation-records-sent': Custom Dslite Port Batch Creation Records Sent; 'custom-port-batching-dslite-creation-records-sent-failure': Custom Dslite Port Batch Creation Records Failed; 'custom-port-batching-nat44-deletion-records-sent': Custom Nat44 Port Batch Deletion Records Sent; 'custom-port-batching-nat44-deletion-records-sent-failure': Custom Nat44 Port Batch Deletion Records Failed; 'custom-port-batching-nat64-deletion-records-sent': Custom Nat64 Port Batch Deletion Records Sent; 'custom-port-batching-nat64-deletion-records-sent-failure': Custom Nat64 Port Batch Deletion Records Failed; 'custom-port-batching-dslite-deletion-records-sent': Custom Dslite Port Batch Deletion Records Sent; 'custom-port-batching-dslite-deletion-records-sent-failure': Custom Dslite Port Batch Deletion Records Failed; 'custom-port-batching-v2-nat44-creation-records-sent': Custom Nat44 Port Batch V2 Creation Records Sent;

Type: string

Supported Values: all, packets-sent, bytes-sent, nat44-records-sent, nat44-records-sent-failure, nat64-records-sent, nat64-records-sent-failure, dslite-records-sent, dslite-records-

sent-failure, session-event-nat44-records-sent, session-event-nat44-records-sent-failure, session-event-nat64-records-sent, session-event-nat64-records-sent-failure, session-event-dslite-records-sent, session-event-dslite-records-sent-failure, session-event-fw4-records-sent, session-event-fw4-records-sent-failure, session-event-fw6-records-sent, session-event-fw6-records-sent-failure, port-mapping-nat44-records-sent, port-mapping-nat44-records-sent-failure, port-mapping-nat64-records-sent, port-mapping-nat64-records-sent-failure, port-mapping-dslite-records-sent, port-mapping-dslite-records-sent-failure, netflow-v5-records-sent, netflow-v5-records-sent-failure, netflow-v5-ext-records-sent, netflow-v5-ext-records-sent-failure, port-batching-nat44-records-sent, port-batching-nat44-records-sent-failure, port-batching-nat64-records-sent, port-batching-nat64-records-sent-failure, port-batching-dslite-records-sent, port-batching-dslite-records-sent-failure, port-batching-v2-nat44-records-sent, port-batching-v2-nat44-records-sent-failure, port-batching-v2-nat64-records-sent, port-batching-v2-nat64-records-sent-failure, port-batching-v2-dslite-records-sent, port-batching-v2-dslite-records-sent-failure, custom-session-event-nat44-creation-records-sent, custom-session-event-nat44-creation-records-sent-failure, custom-session-event-nat64-creation-records-sent, custom-session-event-nat64-creation-records-sent-failure, custom-session-event-dslite-creation-records-sent, custom-session-event-dslite-creation-records-sent-failure, custom-session-event-nat44-deletion-records-sent, custom-session-event-nat44-deletion-records-sent-failure, custom-session-event-nat64-deletion-records-sent, custom-session-event-nat64-deletion-records-sent-failure, custom-session-event-dslite-deletion-records-sent, custom-session-event-dslite-deletion-records-sent-failure, custom-session-event-fw4-creation-records-sent, custom-session-event-fw4-creation-records-sent-failure, custom-session-event-fw6-creation-records-sent, custom-session-event-fw6-creation-records-sent-failure, custom-session-event-fw4-deletion-records-sent, custom-session-event-fw4-deletion-records-sent-failure, custom-session-event-fw6-deletion-records-sent, custom-session-event-fw6-deletion-records-sent-failure, custom-deny-reset-event-fw4-records-sent, custom-deny-reset-event-fw4-records-sent-failure, custom-deny-reset-event-fw6-records-sent, custom-deny-reset-event-fw6-records-sent-failure, custom-port-mapping-nat44-creation-records-sent, custom-port-mapping-nat44-creation-records-sent-failure, custom-port-mapping-nat64-creation-records-sent, custom-port-mapping-nat64-creation-records-sent-failure, custom-port-mapping-dslite-creation-records-sent, custom-port-mapping-dslite-creation-records-sent-failure, custom-port-mapping-nat44-deletion-records-sent, custom-port-mapping-nat44-deletion-records-sent-failure, custom-port-mapping-nat64-deletion-records-sent, custom-port-mapping-nat64-deletion-records-sent-failure, custom-port-mapping-dslite-deletion-records-sent, custom-port-mapping-dslite-deletion-records-sent-failure, custom-port-batching-nat44-creation-records-sent, custom-port-batching-nat44-creation-records-sent-failure, custom-port-batching-nat64-creation-records-sent, custom-port-batching-nat64-creation-records-sent-failure, custom-port-batching-dslite-creation-records-sent, custom-port-batching-dslite-creation-records-sent-failure, custom-port-batching-nat44-deletion-records-sent, custom-port-batching-nat44-deletion-records-sent-failure, custom-port-batching-nat64-deletion-records-sent, custom-port-batching-nat64-deletion-records-sent-failure, custom-port-batching-dslite-deletion-records-sent, custom-port-batching-dslite-deletion-records-sent-failure, custom-port-batching-v2-nat44-creation-records-sent

counters2

Description 'custom-port-batching-v2-nat44-creation-records-sent-failure': Custom Nat44 Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-nat64-creation-records-sent': Custom Nat64 Port Batch V2 Creation Records Sent; 'custom-port-batching-v2-nat64-creation-records-sent-failure': Custom Nat64 Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-dslite-creation-records-sent': Custom Dslite Port Batch V2 Creation Records Sent; 'custom-port-batching-v2-dslite-creation-records-sent-failure': Custom Dslite Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-nat44-deletion-records-sent': Custom Nat44 Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-nat44-deletion-records-sent-failure': Custom Nat44 Port Batch V2 Deletion Records Failed; 'custom-port-batching-v2-

nat64-deletion-records-sent': Custom Nat64 Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-nat64-deletion-records-sent-failure': Custom Nat64 Port Batch V2 Deletion Records Failed; 'custom-port-batching-v2-dslite-deletion-records-sent': Custom Dslite Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-dslite-deletion-records-sent-failure': Custom Dslite Port Batch V2 Deletion Records Failed; 'reduced-logs-by-destination': Reduced Logs by Destination Protocol and Port; 'custom-gtp-c-tunnel-event-records-sent': Custom GTP C Tunnel Records Sent; 'custom-gtp-c-tunnel-event-records-sent-failure': Custom GTP C Tunnel Records Sent Failure; 'custom-gtp-u-tunnel-event-records-sent': Custom GTP U Tunnel Records Sent; 'custom-gtp-u-tunnel-event-records-sent-failure': Custom GTP U Tunnel Records Sent Failure; 'custom-gtp-deny-event-records-sent': Custom GTP Deny Records Sent; 'custom-gtp-deny-event-records-sent-failure': Custom GTP Deny Records Sent Failure; 'custom-gtp-info-event-records-sent': Custom GTP Info Records Sent; 'custom-gtp-info-event-records-sent-failure': Custom GTP Info Records Sent Failure; 'custom-fw-iddos-entry-created-records-sent': Custom FW iDDoS Entry Created Records Sent; 'custom-fw-iddos-entry-created-records-sent-failure': Custom FW iDDoS Entry Created Records Sent Failure; 'custom-fw-iddos-entry-deleted-records-sent': Custom FW iDDoS Entry Deleted Records Sent; 'custom-fw-iddos-entry-deleted-records-sent-failure': Custom FW iDDoS Entry Deleted Records Sent Failure; 'custom-fw-sesn-limit-exceeded-records-sent': Custom FW Session Limit Exceeded Records Sent; 'custom-fw-sesn-limit-exceeded-records-sent-failure': Custom FW Session Limit Exceeded Records Sent Failure; 'custom-nat-iddos-l3-entry-created-records-sent': Custom NAT iDDoS L3 Entry Created Records Sent; 'custom-nat-iddos-l3-entry-created-records-sent-failure': Custom NAT iDDoS L3 Entry Created Records Sent Failure; 'custom-nat-iddos-l3-entry-deleted-records-sent': Custom NAT iDDoS L3 Entry Deleted Records Sent; 'custom-nat-iddos-l3-entry-deleted-records-sent-failure': Custom NAT iDDoS L3 Entry Deleted Records Sent Failure; 'custom-nat-iddos-l4-entry-created-records-sent': Custom NAT iDDoS L4 Entry Created Records Sent; 'custom-nat-iddos-l4-entry-created-records-sent-failure': Custom NAT iDDoS L4 Entry Created Records Sent Failure; 'custom-nat-iddos-l4-entry-deleted-records-sent': Custom NAT iDDoS L4 Entry Deleted Records Sent; 'custom-nat-iddos-l4-entry-deleted-records-sent-failure': Custom NAT iDDoS L4 Entry Deleted Records Sent Failure; 'custom-gtp-rate-limit-periodic-records-sent': Custom GTP Rate Limit Periodic Records Sent; 'custom-gtp-rate-limit-periodic-records-sent-failure': Custom GTP Rate Limit Periodic Records Sent Failure; 'ddos-general-stat-records-sent': ddos-general-stat-records-sent; 'ddos-general-stat-records-sent-failure': ddos-general-stat-records-sent-failure; 'ddos-http-stat-records-sent': ddos-http-stat-records-sent; 'ddos-http-stat-records-sent-failure': ddos-http-stat-records-sent-failure;

Type: string

Supported Values: custom-port-batching-v2-nat44-creation-records-sent-failure, custom-port-batching-v2-nat64-creation-records-sent, custom-port-batching-v2-nat64-creation-records-sent-failure, custom-port-batching-v2-dslite-creation-records-sent, custom-port-batching-v2-dslite-creation-records-sent-failure, custom-port-batching-v2-nat44-deletion-records-sent, custom-port-batching-v2-nat44-deletion-records-sent-failure, custom-port-batching-v2-nat64-deletion-records-sent, custom-port-batching-v2-nat64-deletion-records-sent-failure, custom-port-batching-v2-dslite-deletion-records-sent, custom-port-batching-v2-dslite-deletion-records-sent-failure, reduced-logs-by-destination, custom-gtp-c-tunnel-event-records-sent, custom-gtp-c-tunnel-event-records-sent-failure, custom-gtp-u-tunnel-event-records-sent, custom-gtp-u-tunnel-event-records-sent-failure, custom-gtp-deny-event-records-sent, custom-gtp-deny-event-records-sent-failure, custom-gtp-info-event-records-sent, custom-gtp-info-event-records-sent-failure, custom-fw-iddos-entry-created-records-sent, custom-fw-iddos-entry-created-records-sent-failure, custom-fw-iddos-entry-deleted-records-sent, custom-fw-iddos-entry-deleted-records-sent-failure, custom-fw-sesn-limit-exceeded-records-sent, custom-fw-sesn-limit-exceeded-records-sent-failure, custom-nat-iddos-l3-entry-created-records-sent, custom-nat-iddos-l3-entry-created-records-sent-failure, custom-nat-iddos-l3-entry-deleted-records-sent, custom-nat-iddos-l3-entry-deleted-records-sent-failure,

custom-nat-iddos-l4-entry-created-records-sent, custom-nat-iddos-l4-entry-created-records-sent-failure, custom-nat-iddos-l4-entry-deleted-records-sent, custom-nat-iddos-l4-entry-deleted-records-sent-failure, custom-gtp-rate-limit-periodic-records-sent, custom-gtp-rate-limit-periodic-records-sent-failure, ddos-general-stat-records-sent, ddos-general-stat-records-sent-failure, ddos-http-stat-records-sent, ddos-http-stat-records-sent-failure

monitor-list_resend-template

Specification	Value
Type	*object*

records

Description To resend template once for each number of records (Number of records: default is 1000, 0 means disable template resend based on record-count)

Type: number

Range: 0-1000000

Default: 1000

timeout

Description To set time interval to resend template (number of seconds: default is 1800, 0 means disable template resend based on timeout)

Type: number

Range: 0-86400

Default: 1800

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector

Specification	Value
Type	*object*

template

Description: template is a **JSON Block**. Please see below for *collector_template*

Type: Object

Reference Object: */axapi/v3/netflow/collector/template*

template-detail

Description: template-detail is a **JSON Block**. Please see below for *collector_template-detail*

Type: Object

Reference Object: */axapi/v3/netflow/collector/template-detail*

collector_template-detail

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_template

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_template_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'v9-templates-created': Netflow v9 Templates Created; 'v9-templates-deleted': Netflow v9 Templates Deleted; 'v10-templates-created': Netflow v10(IPFIX) Templates Created; 'v10-templates-deleted': Netflow v10(IPFIX) Templates Deleted; 'template-drop-exceeded': Netflow Templates Dropped Maximum Limit Reached; 'template-drop-out-of-memory': Netflow Templates Dropped OOM; 'templates-added-to-delq': Netflow Templates Added To Delete Queue; 'templates-removed-from-delq': Netflow Templates Removed From Delete Queue;

Type: string

Supported Values: all, v9-templates-created, v9-templates-deleted, v10-templates-created, v10-templates-deleted, template-drop-exceeded, template-drop-out-of-memory, templates-added-to-delq, templates-removed-from-delq

use-partition

Specification	Value
Type	*object*

part-name

Description Dedicated partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	Value
Type	*list*
Block object keys	

information-element-blk

Type: List

ipfix-template-id

Description Custom IPFIX Template ID

Type: number

Range: 2001-3000

name

Description IPFIX CUSTOM Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_information-element-blk

Specification	Value
Type	*list*
Block object keys	

information-element

Description 'fwd-tuple-vnp-id': Session forward tuple partition id (ID: 33028); 'rev-tuple-vnp-id': Session reverse tuple partition id (ID: 33029); 'source-ipv4-address': IPv4 source address in the IP packet header (ID: 8); 'source-ipv4-prefix-len': Prefix length for IPv4 source address(ID: 9); 'dest-ipv4-address': IPv4 destination address in the IP packet header (ID: 12); 'dest-ipv4-prefix-len': Prefix length for IPv4 dest address(ID: 13); 'source-ipv6-address': IPv6 source address in the IP packet header (ID: 27); 'source-ipv6-prefix-len': Prefix length for IPv6 source address(ID:29); 'dest-ipv6-address': IPv6 destination address in the IP packet header (ID:28); 'dest-ipv6-prefix-len': Prefix length for IPv6 dest address (ID:30); 'post-nat-source-ipv4-address': IPv4 natted source address (ID: 225); 'post-nat-dest-ipv4-address': IPv4 natted destination address(ID: 226); 'post-nat-source-ipv6-address': IPv6 natted source address (ID: 281); 'post-nat-dest-ipv6-address': IPv6 natted destination address (ID: 282); 'source-port': Source port identifier in the transport header (ID: 7); 'dest-port': Destination port identifier in the transport header (ID: 11); 'post-nat-source-port': L4 natted source port(ID: 227); 'post-nat-dest-port': L4 natted destination port (ID: 228); 'fwd-tuple-type': Session forward tuple type (ID: 33024); 'rev-tuple-type': Session reverse tuple type (ID: 33025); 'ip-proto': Value of the protocol number in the IP packet header (ID: 4); 'flow-direction': Flow direction: 0:inbound(To an outside interface)/1:outbound(To an inside interface) (ID: 61); 'tcp-control-bits': Cumulative of all the TCP flags seen for this flow (ID: 6); 'fwd-bytes': Incoming bytes associated with an IP Flow (ID: 1); 'fwd-packets': Incoming packets associated with an IP Flow (ID: 2); 'rev-bytes': Delta bytes in reverse direction of bidirectional flow record (ID: 32769); 'rev-packets': Delta packets in reverse direction of bidirectional flow record (ID: 32770); 'in-port': Incoming interface port (ID: 10); 'out-port': Outcoming interface port (ID: 14); 'in-interface': Incoming interface name e.g. ethernet 0 (ID: 82); 'out-interface': Outcoming interface name e.g. ethernet 0 (ID: 32850); 'port-range-start': Port number identifying the start of a range of ports (ID: 361); 'port-range-end': Port number identifying the end of a range of ports (ID:

362); 'port-range-step-size': Step size in a port range (ID: 363); 'port-range-num-ports': Number of ports in a port range (ID: 364); 'rule-name': Rule Name (ID: 33034); 'rule-set-name': Rule-Set Name (ID: 33035); 'fw-source-zone': Firewall Source Zone Name (ID: 33036); 'fw-dest-zone': Firewall Dest Zone Name (ID: 33037); 'application-id': Application ID (ID: 95); 'application-name': Application Name (ID: 96); 'imsi': Subscriber Attribute IMSI (ID: 455); 'msisdn': Subscriber Attribute MSISDN (ID: 456); 'imei': Subscriber Attribute IMEI (ID: 33030); 'radius-custom1': Radius Attribute Custom 1 (ID: 33031); 'radius-custom2': Radius Attribute Custom 2(ID: 33032); 'radius-custom3': Radius Attribute Custom 3 (ID:33033); 'radius-custom4': Radius Attribute Custom 4 (ID: 33067); 'radius-custom5': Radius Attribute Custom 5(ID: 33068); 'radius-custom6': Radius Attribute Custom 6 (ID:33069); 'flow-start-msec': The absolute timestamp of the first packet of the flow (ID: 152); 'flow-duration-msec': Difference in time between the first observed packet of this flow and the last observed packet of this flow (4 bytes) (ID: 161); 'flow-duration-msec-64': Difference in time between the first observed packet of this flow and the last observed packet of this flow (8 bytes) (ID: 33039); 'flow-end-msec': The absolute timestamp of the last packet of the flow (ID: 153); 'nat-event': Indicates a NAT event (ID: 230); 'fw-event': Indicates a FW session event(ID: 233); 'fw-deny-reset-event': Indicates a FW deny/reset event (ID: 33038); 'cgn-flow-direction': Flow direction: 0:inbound(To an outside interface)/1:outbound(To an inside interface)/2:hairpin(From an inside interface to an inside interface) (ID: 33040); 'fw-dest-fqdn': Firewall matched fqdn(ID: 33041); 'flow-end-reason': A10 flow end reason(ID: 33042); 'gtp-deny-reason': Indicates a GTP deny event (ID: 33043); 'gtp-apn': Indicates GTP APN (ID: 33044); 'gtp-steid': Indicates GTP Source TEID (ID: 33045); 'gtp-dteid': Indicates GTP Destination TEID (ID: 33046); 'gtp-selection-mode': Indicates GTP Selection Mode (ID: 33047); 'gtp-mcc': Indicates the MCC of the Serving Network (ID: 33048); 'gtp-mnc': Indicates the MNC of the serving network (ID: 33049); 'gtp-rat-type': Indicates the RAT Type received in the GTP Control packet (ID: 33050); 'gtp-pdn-pdp-type': Indicates the PDN/PDP Type in the GTP Control Packet (ID: 33051); 'gtp-uli': Indicates the User Location Information (ID: 33052); 'gtp-enduser-v4-addr': Indicates the Subscriber IPv4 Address (ID: 33053); 'gtp-enduser-v6-addr': Indicates the Subscriber IPv6 Address (ID: 33054); 'gtp-bearer-id-or-nsapi': Indicates the EPS Bearer ID or NSAPI of the Subscriber (ID: 33055); 'gtp-qci': Indicates the QoS Profile or Traffic Class of the subscriber (ID: 33056); 'gtp-info-event-ind': Indicates a GTP Info event(ID: 33057); 'gtp-restarted-node-ipv4': Restarted S5 Node IPV4 Address(ID: 33058); 'gtp-restarted-node-ipv6': Restarted S5 Node IPV6 Address(ID: 33059); 'gtp-c-tunnels-removed-with-node-restart': Indicates GTP-C tunnels removed by Node restart (ID: 33060); 'radius-imsi': Subscriber Attribute IMSI (Deprecated Field) (ID: 455); 'radius-msisdn': Subscriber Attribute MSISDN (Deprecated Field) (ID: 456); 'radius-imei': Subscriber Attribute IMEI (Deprecated Field) (ID: 33030); 'event-time-msec': The absolute time in milliseconds of an event observation(ID: 323); 'security-event-type': Type of security event(ID: 33063); 'limit-exceeded-count': Limit exceeded count for FW concurrent session(ID: 33062); 'rate-limit-key': Rate Limit Key(ID: 33064); 'rate-limit-type': Rate Limit Type(ID: 33065); 'rate-limit-drop-count': Rate Limit Drop Count(ID: 33066);

Type: string

Supported Values: fwd-tuple-vnp-id, rev-tuple-vnp-id, source-ipv4-address, source-ipv4-prefix-len, dest-ipv4-address, dest-ipv4-prefix-len, source-ipv6-address, source-ipv6-prefix-len, dest-ipv6-address, dest-ipv6-prefix-len, post-nat-source-ipv4-address, post-nat-dest-ipv4-address, post-nat-source-ipv6-address, post-nat-dest-ipv6-address, source-port, dest-port, post-nat-source-port, post-nat-dest-port, fwd-tuple-type, rev-tuple-type, ip-proto, flow-direction, tcp-control-bits, fwd-bytes, fwd-packets, rev-bytes, rev-packets, in-port, out-port, in-interface, out-interface, port-range-start, port-range-end, port-range-step-size, port-range-num-ports, rule-name, rule-set-name, fw-source-zone, fw-dest-zone, application-id, application-name, application-category-name, application-subcategory-name, imsi, msisdn, imei, radius-custom1, radius-custom2, radius-custom3, radius-custom4, radius-custom5, radius-custom6, flow-start-msec, flow-duration-msec, flow-duration-msec-64, flow-end-msec, nat-event, fw-event, fw-deny-reset-event, cgn-flow-direction, fw-dest-fqdn, flow-end-reason,

gtp-deny-reason, gtp-apn, gtp-steid, gtp-dteid, gtp-selection-mode, gtp-mcc, gtp-mnc, gtp-rat-type, gtp-pdn-pdp-type, gtp-uli, gtp-enduser-v4-addr, gtp-enduser-v6-addr, gtp-bearer-id-or-nsapi, gtp-qci, gtp-info-event-ind, gtp-restarted-node-ipv4, gtp-restarted-node-ipv6, gtp-c-tunnels-removed-with-node-restart, radius-imsi, radius-msisdn, radius-imei, event-time-msec, security-event-type, limit-exceeded-count, rate-limit-key, rate-limit-type, rate-limit-drop-count, rfc-flow-end-reason

common

Specification	Value
Type	*object*

max-packet-queue-time

Description Configure netflow packet queue time (Max packet queue time(*20ms). Default:50(*20ms = 1s)))

Type: number

Range: 0-50

Default: 50

nat44_tpl_1001

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-time-on-flow-record

Description Reset session start time to current time on each flow timeout export for long-lasting session (default: disabled).

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

selector-algorithm-list

Type: List

Reference Object: */axapi/v3/netflow/common/selector-algorithm/{algorithm-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_selector-algorithm-list

Specification	Value
Type	*list*
Block object keys	

algorithm-name

Description 'random': random;

Type: string

Supported Values: random

sampling-population

Description Configure sampling population for random algorithm

Type: number

Range: 1-1000000

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.2 netflow collector

Configure NetFlow/IPFIX collector

collector Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	collector
Element URI	/axapi/v3/netflow/collector
Element Attributes	collector_attributes
Partition Visibility	shared
Schema	`collector schema`

Operations Allowed:

Get Object

GET

/axapi/v3/netflow/collector

collector_attributes

collector attributes

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Reference Object: */axapi/v3/netflow/collector/template*

template-detail

Description: template-detail is a **JSON Block**. Please see below for *template-detail*

Type: Object

Reference Object: */axapi/v3/netflow/collector/template-detail*

template-detail

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'v9-templates-created': Netflow v9 Templates Created; 'v9-templates-deleted': Netflow v9 Templates Deleted; 'v10-templates-created': Netflow v10(IPFIX) Templates Created; 'v10-templates-deleted': Netflow v10(IPFIX) Templates Deleted; 'template-drop-exceeded': Netflow Templates Dropped Maximum Limit Reached; 'template-drop-out-of-memory': Netflow Templates Dropped OOM; 'templates-added-to-delq': Netflow Templates Added To Delete Queue; 'templates-removed-from-delq': Netflow Templates Removed From Delete Queue;

Type: string

Supported Values: all, v9-templates-created, v9-templates-deleted, v10-templates-created, v10-templates-deleted, template-drop-exceeded, template-drop-out-of-memory, templates-added-to-delq, templates-removed-from-delq

2.82.3 netflow collector template

Configure NetFlow/IPFIX collector templates

template Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	template
Element URI	/axapi/v3/netflow/collector/template
Element Attributes	template_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/netflow/collector/template/oper
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/collector/template

template attributes

```
POST /axapi/v3/netflow/collector/template
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "template": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/netflow/collector/template

template attributes

Modify Object

POST

/axapi/v3/netflow/collector/template

template attributes

Replace Object

PUT

/axapi/v3/netflow/collector/template

template attributes

Delete Object

DELETE

/axapi/v3/netflow/collector/template

template attributes

template attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'v9-templates-created': Netflow v9 Templates Created; 'v9-templates-deleted': Netflow v9 Templates Deleted; 'v10-templates-created': Netflow v10(IPFIX) Templates Created; 'v10-templates-deleted': Netflow v10(IPFIX) Templates Deleted; 'template-drop-exceeded': Netflow Templates Dropped Maximum Limit Reached; 'template-drop-out-of-memory': Netflow Templates Dropped OOM; 'templates-added-to-delq': Netflow Templates Added To Delete Queue; 'templates-removed-from-delq': Netflow Templates Removed From Delete Queue;

Type: string

Supported Values: all, v9-templates-created, v9-templates-deleted, v10-templates-created, v10-templates-deleted, template-drop-exceeded, template-drop-out-of-memory, templates-added-to-delq, templates-removed-from-delq

2.82.4 netflow collector template-detail

Netflow/IPFIX collector templates in detail

template-detail Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	template-detail
Element URI	/axapi/v3/netflow/collector/template-detail
Element Attributes	template-detail_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/netflow/collector/template-detail/oper
Schema	`template-detail schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/collector/template-detail

template-detail attributes

Get Object

GET

/axapi/v3/netflow/collector/template-detail

template-detail attributes

Modify Object

POST

/axapi/v3/netflow/collector/template-detail

template-detail attributes

Replace Object

PUT

/axapi/v3/netflow/collector/template-detail

template-detail attributes

Delete Object

DELETE

/axapi/v3/netflow/collector/template-detail

template-detail attributes

template-detail attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.5 netflow collector template-detail oper

Operational Status for the object template-detail

template-detail Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	template-detail
Element URI	/axapi/v3/netflow/collector/template-detail/oper
Element Attributes	template-detail_attributes
Partition Visibility	None
Schema	`template-detail schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/collector/template-detail/oper

template-detail attributes

Get Object

GET

/axapi/v3/netflow/collector/template-detail/oper

template-detail attributes

Modify Object

POST

/axapi/v3/netflow/collector/template-detail/oper

template-detail attributes

Replace Object

PUT

/axapi/v3/netflow/collector/template-detail/oper

template-detail attributes

Delete Object

DELETE

/axapi/v3/netflow/collector/template-detail/oper

template-detail attributes

template-detail attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

nf-template-list

Type: List

oper_nf-template-list

Specification	Value
Type	*list*
Block object keys	

exporter-address

Description

Type: string

field-count

Description

Type: number

nflow-version

Description

Type: number

observation-domain-id

Description

Type: number

partition-id

Description

Type: number

seconds-to-expire

Description

Type: number

template-field-list

Type: List

template-id

Description

Type: number

template-type

Description

Type: string

Supported Values: options, data

oper_nf-template-list_template-field-list

Specification	Value
Type	*list*
Block object keys	

enterprise-field

Description

Type: string

id

Description

Type: number

length

Description

Type: number

variable-length

Description

Type: string

2.82.6 netflow collector template oper

Operational Status for the object template

template Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	template
Element URI	/axapi/v3/netflow/collector/template/oper
Element Attributes	template_attributes
Partition Visibility	None
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/collector/template/oper

template attributes

Get Object

GET

/axapi/v3/netflow/collector/template/oper

template attributes

Modify Object

POST

/axapi/v3/netflow/collector/template/oper

template attributes

Replace Object

PUT

/axapi/v3/netflow/collector/template/oper

template attributes

Delete Object

DELETE

/axapi/v3/netflow/collector/template/oper

template attributes

template attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

nf-template-list

Type: List

oper_nf-template-list

Specification	Value
Type	*list*
Block object keys	

exporter-address

Description

Type: string

field-count

Description

Type: number

nflow-version

Description

Type: number

observation-domain-id

Description

Type: number

partition-id

Description

Type: number

seconds-to-expire

Description

Type: number

template-id

Description

Type: number

template-type

Description

Type: string

Supported Values: options, data

2.82.7 netflow collector template stats

Statistics for the object template

template Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	template
Element URI	/axapi/v3/netflow/collector/template/stats
Element Attributes	template_attributes
Partition Visibility	None
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/collector/template/stats

template attributes

Get Object

GET

/axapi/v3/netflow/collector/template/stats

template attributes

Modify Object

POST

/axapi/v3/netflow/collector/template/stats

template attributes

Replace Object

PUT

/axapi/v3/netflow/collector/template/stats

template attributes

Delete Object

DELETE

/axapi/v3/netflow/collector/template/stats

template attributes

template attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

template-drop-exceeded

Description Netflow Templates Dropped Maximum Limit Reached

Type: number

Format: counter

template-drop-out-of-memory

Description Netflow Templates Dropped OOM

Type: number

Format: counter

v10-templates-created

Description Netflow v10(IPFIX) Templates Created

Type: number

Format: counter

v10-templates-deleted

Description Netflow v10(IPFIX) Templates Deleted

Type: number

Format: counter

v9-templates-created

Description Netflow v9 Templates Created

Type: number

Format: counter

v9-templates-deleted

Description Netflow v9 Templates Deleted

Type: number

Format: counter

2.82.8 netflow common

NetFlow/IPFIX common settings

common Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/netflow/common
Element Attributes	common_attributes
Partition Visibility	shared
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/common

common attributes

```
POST /axapi/v3/netflow/common
Payload:
{
    "common": {
        "max-packet-queue-time": 0,
        "selector-algorithm-list": [
            {
                "algorithm-name": "random",
                "user-tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/netflow/common

common attributes

Modify Object

POST

/axapi/v3/netflow/common

common attributes

Replace Object

PUT

/axapi/v3/netflow/common

common attributes

Delete Object

DELETE

/axapi/v3/netflow/common

common attributes

common attributes

max-packet-queue-time

Description Configure netflow packet queue time (Max packet queue time(*20ms). Default:50(*20ms = 1s)))

Type: number

Range: 0-50

Default: 50

nat44_tpl_1001

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-time-on-flow-record

Description Reset session start time to current time on each flow timeout export for long-lasting session (default: disabled).

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

selector-algorithm-list

Type: List

Reference Object: */axapi/v3/netflow/common/selector-algorithm/{algorithm-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

selector-algorithm-list

Specification	Value
Type	*list*
Block object keys	

algorithm-name

Description 'random': random;

Type: string

Supported Values: random

sampling-population

Description Configure sampling population for random algorithm

Type: number

Range: 1-1000000

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.9 netflow common selector-algorithm

NetFlow/IPFIX Selector Algorithm Setting

selector-algorithm Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*algorithm-name*
Collection Name	*selector-algorithm-list*
Collection URI	/axapi/v3/netflow/common/selector-algorithm
Element Name	selector-algorithm
Element URI	/axapi/v3/netflow/common/selector-algorithm/{algorithm-name}
Element Attributes	selector-algorithm_attributes
Partition Visibility	shared
Schema	`selector-algorithm schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/common/selector-algorithm

selector-algorithm attributes

```
POST /axapi/v3/netflow/common/selector-algorithm/
Payload:
{
    "selector-algorithm": {
        "algorithm-name": "random",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/netflow/common/selector-algorithm

selector-algorithm attributes

Get Object

GET

/axapi/v3/netflow/common/selector-algorithm/{algorithm-name}

selector-algorithm attributes

Get List

GET

/axapi/v3/netflow/common/selector-algorithm

selector-algorithm-list

Modify Object

POST

/axapi/v3/netflow/common/selector-algorithm/{algorithm-name}

selector-algorithm attributes

Replace Object

PUT

/axapi/v3/netflow/common/selector-algorithm/{algorithm-name}

selector-algorithm attributes

Replace List

PUT

/axapi/v3/netflow/common/selector-algorithm

selector-algorithm-list

Delete Object

DELETE

/axapi/v3/netflow/common/selector-algorithm/{algorithm-name}

selector-algorithm attributes

selector-algorithm-list

selector-algorithm-list is **JSON List** of *selector-algorithm attributes*

selector-algorithm-list : [

{ *selector-algorithm attributes* },

{ *selector-algorithm attributes* },

...

]

selector-algorithm attributes

algorithm-name

Description 'random': random;

Type: string

Supported Values: random

sampling-population

Description Configure sampling population for random algorithm

Type: number

Range: 1-1000000

Default: 1

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.10 netflow monitor

Configure NetFlow Monitor

monitor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/netflow/monitor
Element Name	monitor
Element URI	/axapi/v3/netflow/monitor/{name}
Element Attributes	monitor_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/netflow/monitor/{name}/stats
Operational Data URI	/axapi/v3/netflow/monitor/{name}/oper
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor

monitor attributes

```
POST /axapi/v3/netflow/monitor/
Payload:
{
    "monitor": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/netflow/monitor

monitor attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}

monitor attributes

```
GET /axapi/v3/netflow/monitor/a
Reponse:
{
    "monitor": {
        "name": "a",
        "disable": 0,
        "source-ip-use-mgmt": 0,
        "flow-timeout": 10,
        "protocol": "v9",
        "scope": "global",
        "uuid": "e597e4b0-08fc-11f0-8ff3-bb094934892a",
        "user-tag": "a",
        "a10-url": "/axapi/v3/netflow/monitor/a"
    }
}
```

Get List

GET

/axapi/v3/netflow/monitor

monitor-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}

monitor attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}

monitor attributes

```
PUT /axapi/v3/netflow/monitor/a
Payload:
{
    "monitor": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/netflow/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}

monitor attributes

```
DELETE /axapi/v3/netflow/monitor/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

counter-polling-interval

Description Configure the interval to export global counters (Number of seconds: default is 60)

Type: number

Range: 1-3600

Default: 60

custom-record

Description: custom-record is a **JSON Block**. Please see below for *custom-record*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/custom-record*

destination

Description: destination is a **JSON Block**. Please see below for *destination*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/destination*

disable

Description Disable this netflow monitor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-log-by-destination

Description: disable-log-by-destination is a **JSON Block**. Please see below for *disable-log-by-destination*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination*

flow-timeout

Description Configure timeout value to export flow records periodically for long-live session (Number of minutes: default is 10, 0 means only send flow record when session is deleted)

Type: number

Range: 0-1440

Default: 10

name

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/netflow-monitor-tmpl*

protocol

Description 'v9': Netflow version 9; 'v10': Netflow version 10 (IPFIX);

Type: string

Supported Values: v9, v10

Default: v9

record

Description: record is a **JSON Block**. Please see below for *record*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/record*

resend-template

Description: resend-template is a **JSON Block**. Please see below for *resend-template*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/resend-template*

sample

Description: sample is a **JSON Block**. Please see below for *sample*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/sample*

sampling-enable

Type: List

scope

Description 'global': Netflow monitor is activated globally (Default); 'firewall-rule': Netflow monitor is only activated when referenced by a firewall rule;

Type: string

Supported Values: global, firewall-rule

Default: global

source-address

Description: source-address is a **JSON Block**. Please see below for *source-address*

Type: Object

Reference Object: */axapi/v3/netflow/monitor/{name}/source-address*

source-ip-use-mgmt

Description Use management interface's IP address for source ip of netflow packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

custom-record

Specification	Value
Type	*object*

custom-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

custom-record_custom-cfg

Specification	Value
Type	*list*
Block object keys	

event

Description 'sesn-event-nat44-creation': Export NAT44 session creation events; 'sesn-event-nat44-deletion': Export NAT44 session deletion events; 'sesn-event-nat64-creation': Export NAT64 session creation events; 'sesn-event-nat64-deletion': Export NAT64 session deletion events; 'sesn-event-dslite-creation': Export Dslite session creation events; 'sesn-event-dslite-deletion': Export Dslite session deletion events; 'sesn-event-fw4-creation': Export FW4 session creation events; 'sesn-event-fw4-deletion': Export FW4 session deletion events; 'sesn-event-fw6-creation': Export FW6 session creation events; 'sesn-event-fw6-deletion': Export FW6 session deletion events; 'deny-reset-event-fw4': Export FW4 Deny Reset events; 'deny-reset-event-fw6': Export FW6 Deny Reset events; 'port-mapping-nat44-creation': Export NAT44 Port Mapping Creation Event; 'port-mapping-nat44-deletion': Export NAT44 Port Mapping Deletion Event; 'port-mapping-nat64-creation': Export NAT64 Port Mapping Creation Event; 'port-mapping-nat64-deletion': Export NAT64 Port Mapping Deletion Event; 'port-mapping-dslite-creation': Export Dslite Port Mapping Creation Event; 'port-mapping-dslite-deletion': Export Dslite Port Mapping Deletion Event; 'port-batch-nat44-creation': Export NAT44 Port Batch Creation Event; 'port-batch-nat44-deletion': Export NAT44 Port Batch Deletion Event; 'port-batch-nat64-creation': Export NAT64 Port Batch Creation Event; 'port-batch-nat64-deletion': Export NAT64 Port Batch Deletion Event; 'port-batch-dslite-creation': Export Dslite Port Batch Creation Event; 'port-batch-dslite-deletion': Export Dslite Port Batch Deletion Event; 'port-batch-v2-nat44-creation': Export NAT44 Port Batch v2 Creation Event;

'port-batch-v2-nat44-deletion': Export NAT44 Port Batch v2 Deletion Event; 'port-batch-v2-nat64-creation': Export NAT64 Port Batch v2 Creation Event; 'port-batch-v2-nat64-deletion': Export NAT64 Port Batch v2 Deletion Event; 'port-batch-v2-dslite-creation': Export Dslite Port Batch v2 Creation Event; 'port-batch-v2-dslite-deletion': Export Dslite Port Batch v2 Deletion Event; 'gtp-c-tunnel-event': Export GTP Control Tunnel Creation or Deletion Events; 'gtp-u-tunnel-event': Export GTP User Tunnel Creation or Deletion Events; 'gtp-deny-event': Export GTP Deny events on GTP C/U Tunnels; 'gtp-info-event': Export GTP Info events on GTP C/U Tunnels; 'fw-ddos-entry-creation': Export FW iDDoS Entry Created Record; 'fw-ddos-entry-deletion': Export FW iDDoS Entry Deleted Record; 'fw-session-limit-exceeded': Export FW Session Limit Exceeded Record; 'cgn-ddos-l3-entry-creation': Export CGN iDDoS L3 Entry Creation; 'cgn-ddos-l3-entry-deletion': Export CGN iDDoS L3 Entry Deletion; 'cgn-ddos-l4-entry-creation': Export CGN iDDoS L4 Entry Creation; 'cgn-ddos-l4-entry-deletion': Export CGN iDDoS L4 Entry Deletion; 'gtp-rate-limit-periodic': Export GTP Rate Limit Periodic;

Type: string

Supported Values: sesn-event-nat44-creation, sesn-event-nat44-deletion, sesn-event-nat64-creation, sesn-event-nat64-deletion, sesn-event-dslite-creation, sesn-event-dslite-deletion, sesn-event-fw4-creation, sesn-event-fw4-deletion, sesn-event-fw6-creation, sesn-event-fw6-deletion, deny-reset-event-fw4, deny-reset-event-fw6, port-mapping-nat44-creation, port-mapping-nat44-deletion, port-mapping-nat64-creation, port-mapping-nat64-deletion, port-mapping-dslite-creation, port-mapping-dslite-deletion, port-batch-nat44-creation, port-batch-nat44-deletion, port-batch-nat64-creation, port-batch-nat64-deletion, port-batch-dslite-creation, port-batch-dslite-deletion, port-batch-v2-nat44-creation, port-batch-v2-nat44-deletion, port-batch-v2-nat64-creation, port-batch-v2-nat64-deletion, port-batch-v2-dslite-creation, port-batch-v2-dslite-deletion, gtp-c-tunnel-event, gtp-u-tunnel-event, gtp-deny-event, gtp-info-event, fw-ddos-entry-creation, fw-ddos-entry-deletion, fw-session-limit-exceeded, cgn-ddos-l3-entry-creation, cgn-ddos-l3-entry-deletion, cgn-ddos-l4-entry-creation, cgn-ddos-l4-entry-deletion, gtp-rate-limit-periodic

ipfix-template

Description Custom IPFIX Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/netflow/template*

sample

Specification	Value
Type	*object*

ethernet-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}*

nat-pool-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}*

ve-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}*

sample_ve-list

Specification	Value
Type	*list*
Block object keys	

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description VE interface number

Type: number

Range: 2-4094

Reference Object: */axapi/v3/interface/ve*

sample_nat-pool-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Name of nat pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sample_ethernet-list

Specification	Value
Type	*list*
Block object keys	

ifindex

Description Ethernet interface number

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-address

Specification	Value
Type	*object*

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination

Specification	Value
Type	*object*

ip-cfg

Description: ip-cfg is a **JSON Block**. Please see below for *destination_ip-cfg*

Type: Object

ipv6-cfg

Description: ipv6-cfg is a **JSON Block**. Please see below for *destination_ipv6-cfg*

Type: Object

service-group

Description Service-group for load balancing between multiple collector servers

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group, ip, and ipv6 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination_ip-cfg

Specification	Value
Type	*object*

ip

Description IP address of netflow collector

Type: string

Format: ipv4-address

Mutual Exclusion: ip, service-group, and ipv6 are mutually exclusive

port4

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

destination_ipv6-cfg

Specification	Value
Type	*object*

ipv6

Description IPv6 address of netflow collector

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6, service-group, and ip are mutually exclusive

port6

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

disable-log-by-destination

Specification	Value
Type	*object*

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable-log-by-destination_ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

disable-log-by-destination_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

record

Specification	Value
Type	*object*

ddos-general-stat

Description General DDOS statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos-http-stat

Description HTTP DDOS statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dslite

Description DS-Lite Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat44

Description NAT44 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat64

Description NAT64 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5

Description NetFlow V5 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5-ext

Description Extended NetFlow V5 Flow Record Template, supports ipv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-batch-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw4

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw6

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packets-sent': Sent Packets Count; 'bytes-sent': Sent Bytes Count; 'nat44-records-sent': NAT44 Flow Records Sent; 'nat44-records-sent-failure': NAT44 Flow Records Failed; 'nat64-records-sent': NAT64 Flow Records Sent; 'nat64-records-sent-failure': NAT64 Flow Records Failed; 'dslite-records-sent': Dslite Flow Records Sent; 'dslite-records-sent-failure': Dslite Flow Records Failed; 'session-event-nat44-records-sent': Nat44 Session Event Records Sent; 'session-event-nat44-records-sent-failure': Nat44 Session Event Records Failed; 'session-event-nat64-records-sent': Nat64 Session Event Records Sent; 'session-event-nat64-records-sent-failure': Nat64 Session Event Records Falied; 'session-event-dslite-records-sent': Dslite Session Event Records Sent; 'session-event-dslite-records-sent-failure': Dslite Session Event Records Failed; 'session-event-fw4-records-sent': FW4 Session Event Records Sent; 'session-event-fw4-records-sent-failure': FW4 Session Event Records Failed; 'session-event-fw6-records-sent': FW6 Session Event Records Sent; 'session-event-fw6-records-sent-failure': FW6 Session Event Records Failed; 'port-mapping-nat44-records-sent': Port Mapping Nat44 Event Records Sent; 'port-mapping-nat44-records-sent-failure': Port Mapping Nat44 Event Records Failed; 'port-mapping-nat64-records-sent': Port Mapping Nat64 Event Records Sent; 'port-mapping-nat64-records-sent-failure': Port Mapping Nat64 Event Records Failed; 'port-mapping-dslite-records-sent': Port Mapping Dslite Event Records Sent; 'port-mapping-dslite-records-sent-failure': Port Mapping Dslite Event Records failed; 'netflow-v5-records-sent': Netflow v5 Records Sent; 'netflow-v5-records-sent-failure': Netflow v5 Records Failed; 'netflow-v5-ext-records-sent': Netflow v5 Ext Records

Sent; 'netflow-v5-ext-records-sent-failure': Netflow v5 Ext Records Failed; 'port-batching-nat44-records-sent': Port Batching Nat44 Records Sent; 'port-batching-nat44-records-sent-failure': Port Batching Nat44 Records Failed; 'port-batching-nat64-records-sent': Port Batching Nat64 Records Sent; 'port-batching-nat64-records-sent-failure': Port Batching Nat64 Records Failed; 'port-batching-dslite-records-sent': Port Batching Dslite Records Sent; 'port-batching-dslite-records-sent-failure': Port Batching Dslite Records Failed; 'port-batching-v2-nat44-records-sent': Port Batching V2 Nat44 Records Sent; 'port-batching-v2-nat44-records-sent-failure': Port Batching V2 Nat44 Records Failed; 'port-batching-v2-nat64-records-sent': Port Batching V2 Nat64 Records Sent; 'port-batching-v2-nat64-records-sent-failure': Port Batching V2 Nat64 Records Failed; 'port-batching-v2-dslite-records-sent': Port Batching V2 Dslite Records Sent; 'port-batching-v2-dslite-records-sent-failure': Port Batching V2 Dslite Records Falied; 'custom-session-event-nat44-creation-records-sent': Custom Nat44 Session Creation Records Sent; 'custom-session-event-nat44-creation-records-sent-failure': Custom Nat44 Session Creation Records Failed; 'custom-session-event-nat64-creation-records-sent': Custom Nat64 Session Creation Records Sent; 'custom-session-event-nat64-creation-records-sent-failure': Custom Nat64 Session Creation Records Failed; 'custom-session-event-dslite-creation-records-sent': Custom Dslite Session Creation Records Sent; 'custom-session-event-dslite-creation-records-sent-failure': Custom Dslite Session Creation Records Failed; 'custom-session-event-nat44-deletion-records-sent': Custom Nat44 Session Deletion Records Sent; 'custom-session-event-nat44-deletion-records-sent-failure': Custom Nat44 Session Deletion Records Failed; 'custom-session-event-nat64-deletion-records-sent': Custom Nat64 Session Deletion Records Sent; 'custom-session-event-nat64-deletion-records-sent-failure': Custom Nat64 Session Deletion Records Failed; 'custom-session-event-dslite-deletion-records-sent': Custom Dslite Session Deletion Records Sent; 'custom-session-event-dslite-deletion-records-sent-failure': Custom Dslite Session Deletion Records Failed; 'custom-session-event-fw4-creation-records-sent': Custom FW4 Session Creation Records Sent; 'custom-session-event-fw4-creation-records-sent-failure': Custom FW4 Session Creation Records Failed; 'custom-session-event-fw6-creation-records-sent': Custom FW6 Session Creation Records Sent; 'custom-session-event-fw6-creation-records-sent-failure': Custom FW6 Session Creation Records Failed; 'custom-session-event-fw4-deletion-records-sent': Custom FW4 Session Deletion Records Sent; 'custom-session-event-fw4-deletion-records-sent-failure': Custom FW4 Session Deletion Records Failed; 'custom-session-event-fw6-deletion-records-sent': Custom FW6 Session Deletion Records Sent; 'custom-session-event-fw6-deletion-records-sent-failure': Custom FW6 Session Deletion Records Failed; 'custom-deny-reset-event-fw4-records-sent': Custom FW4 Deny/Reset Event Records Sent; 'custom-deny-reset-event-fw4-records-sent-failure': Custom FW4 Deny/Reset Event Records Failed; 'custom-deny-reset-event-fw6-records-sent': Custom FW6 Deny/Reset Event Records Sent; 'custom-deny-reset-event-fw6-records-sent-failure': Custom FW6 Deny/Reset Event Records Failed; 'custom-port-mapping-nat44-creation-records-sent': Custom Nat44 Port Map Creation Records Sent; 'custom-port-mapping-nat44-creation-records-sent-failure': Custom Nat44 Port Map Creation Records Failed; 'custom-port-mapping-nat64-creation-records-sent': Custom Nat64 Port Map Creation Records Sent; 'custom-port-mapping-nat64-creation-records-sent-failure': Custom Nat64 Port Map Creation Records Failed; 'custom-port-mapping-dslite-creation-records-sent': Custom Dslite Port Map Creation Records Sent; 'custom-port-mapping-dslite-creation-records-sent-failure': Custom Dslite Port Map Creation Records Failed; 'custom-port-mapping-nat44-deletion-records-sent': Custom Nat44 Port Map Deletion Records Sent; 'custom-port-mapping-nat44-deletion-records-sent-failure': Custom Nat44 Port Map Deletion Records Failed; 'custom-port-mapping-nat64-deletion-records-sent': Custom Nat64 Port Map Deletion Records Sent; 'custom-port-mapping-nat64-deletion-records-sent-failure': Custom Nat64 Port Map Deletion Records Failed; 'custom-port-mapping-dslite-deletion-records-sent': Custom Dslite Port Map Deletion Records Sent; 'custom-port-mapping-dslite-deletion-records-sent-failure': Custom Dslite Port Map Deletion Records Failed; 'custom-port-batching-nat44-creation-records-sent': Custom Nat44 Port Batch Creation Records Sent; 'custom-port-batching-nat44-creation-records-sent-failure': Custom Nat44 Port Batch Cre-

ation Records Failed; 'custom-port-batching-nat64-creation-records-sent': Custom Nat64 Port Batch Creation Records Sent; 'custom-port-batching-nat64-creation-records-sent-failure': Custom Nat64 Port Batch Creation Records Failed; 'custom-port-batching-dslite-creation-records-sent': Custom Dslite Port Batch Creation Records Sent; 'custom-port-batching-dslite-creation-records-sent-failure': Custom Dslite Port Batch Creation Records Failed; 'custom-port-batching-nat44-deletion-records-sent': Custom Nat44 Port Batch Deletion Records Sent; 'custom-port-batching-nat44-deletion-records-sent-failure': Custom Nat44 Port Batch Deletion Records Failed; 'custom-port-batching-nat64-deletion-records-sent': Custom Nat64 Port Batch Deletion Records Sent; 'custom-port-batching-nat64-deletion-records-sent-failure': Custom Nat64 Port Batch Deletion Records Failed; 'custom-port-batching-dslite-deletion-records-sent': Custom Dslite Port Batch Deletion Records Sent; 'custom-port-batching-dslite-deletion-records-sent-failure': Custom Dslite Port Batch Deletion Records Failed; 'custom-port-batching-v2-nat44-creation-records-sent': Custom Nat44 Port Batch V2 Creation Records Sent;

Type: string

Supported Values: all, packets-sent, bytes-sent, nat44-records-sent, nat44-records-sent-failure, nat64-records-sent, nat64-records-sent-failure, dslite-records-sent, dslite-records-sent-failure, session-event-nat44-records-sent, session-event-nat44-records-sent-failure, session-event-nat64-records-sent, session-event-nat64-records-sent-failure, session-event-dslite-records-sent, session-event-dslite-records-sent-failure, session-event-fw4-records-sent, session-event-fw4-records-sent-failure, session-event-fw6-records-sent, session-event-fw6-records-sent-failure, port-mapping-nat44-records-sent, port-mapping-nat44-records-sent-failure, port-mapping-nat64-records-sent, port-mapping-nat64-records-sent-failure, port-mapping-dslite-records-sent, port-mapping-dslite-records-sent-failure, netflow-v5-records-sent, netflow-v5-records-sent-failure, netflow-v5-ext-records-sent, netflow-v5-ext-records-sent-failure, port-batching-nat44-records-sent, port-batching-nat44-records-sent-failure, port-batching-nat64-records-sent, port-batching-nat64-records-sent-failure, port-batching-dslite-records-sent, port-batching-dslite-records-sent-failure, port-batching-v2-nat44-records-sent, port-batching-v2-nat44-records-sent-failure, port-batching-v2-nat64-records-sent, port-batching-v2-nat64-records-sent-failure, port-batching-v2-dslite-records-sent, port-batching-v2-dslite-records-sent-failure, custom-session-event-nat44-creation-records-sent, custom-session-event-nat44-creation-records-sent-failure, custom-session-event-nat64-creation-records-sent, custom-session-event-nat64-creation-records-sent-failure, custom-session-event-dslite-creation-records-sent, custom-session-event-dslite-creation-records-sent-failure, custom-session-event-nat44-deletion-records-sent, custom-session-event-nat44-deletion-records-sent-failure, custom-session-event-nat64-deletion-records-sent, custom-session-event-nat64-deletion-records-sent-failure, custom-session-event-dslite-deletion-records-sent, custom-session-event-dslite-deletion-records-sent-failure, custom-session-event-fw4-creation-records-sent, custom-session-event-fw4-creation-records-sent-failure, custom-session-event-fw6-creation-records-sent, custom-session-event-fw6-creation-records-sent-failure, custom-session-event-fw4-deletion-records-sent, custom-session-event-fw4-deletion-records-sent-failure, custom-session-event-fw6-deletion-records-sent, custom-session-event-fw6-deletion-records-sent-failure, custom-deny-reset-event-fw4-records-sent, custom-deny-reset-event-fw4-records-sent-failure, custom-deny-reset-event-fw6-records-sent, custom-deny-reset-event-fw6-records-sent-failure, custom-port-mapping-nat44-creation-records-sent, custom-port-mapping-nat44-creation-records-sent-failure, custom-port-mapping-nat64-creation-records-sent, custom-port-mapping-nat64-creation-records-sent-failure, custom-port-mapping-dslite-creation-records-sent, custom-port-mapping-dslite-creation-records-sent-failure, custom-port-mapping-nat44-deletion-records-sent, custom-port-mapping-nat44-deletion-records-sent-failure, custom-port-mapping-nat64-deletion-records-sent, custom-port-mapping-nat64-deletion-records-sent-failure, custom-port-mapping-dslite-deletion-records-sent, custom-port-mapping-dslite-deletion-records-sent-failure, custom-port-batching-nat44-creation-records-sent, custom-port-batching-nat44-creation-records-sent-failure,

custom-port-batching-nat64-creation-records-sent, custom-port-batching-nat64-creation-records-sent-failure, custom-port-batching-dslite-creation-records-sent, custom-port-batching-dslite-creation-records-sent-failure, custom-port-batching-nat44-deletion-records-sent, custom-port-batching-nat44-deletion-records-sent-failure, custom-port-batching-nat64-deletion-records-sent, custom-port-batching-nat64-deletion-records-sent-failure, custom-port-batching-dslite-deletion-records-sent, custom-port-batching-dslite-deletion-records-sent-failure, custom-port-batching-v2-nat44-creation-records-sent

counters2

Description 'custom-port-batching-v2-nat44-creation-records-sent-failure': Custom Nat44 Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-nat64-creation-records-sent': Custom Nat64 Port Batch V2 Creation Records Sent; 'custom-port-batching-v2-nat64-creation-records-sent-failure': Custom Nat64 Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-dslite-creation-records-sent': Custom Dslite Port Batch V2 Creation Records Sent; 'custom-port-batching-v2-dslite-creation-records-sent-failure': Custom Dslite Port Batch V2 Creation Records Failed; 'custom-port-batching-v2-nat44-deletion-records-sent': Custom Nat44 Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-nat44-deletion-records-sent-failure': Custom Nat44 Port Batch V2 Deletion Records Failed; 'custom-port-batching-v2-nat64-deletion-records-sent': Custom Nat64 Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-nat64-deletion-records-sent-failure': Custom Nat64 Port Batch V2 Deletion Records Failed; 'custom-port-batching-v2-dslite-deletion-records-sent': Custom Dslite Port Batch V2 Deletion Records Sent; 'custom-port-batching-v2-dslite-deletion-records-sent-failure': Custom Dslite Port Batch V2 Deletion Records Failed; 'reduced-logs-by-destination': Reduced Logs by Destination Protocol and Port; 'custom-gtp-c-tunnel-event-records-sent': Custom GTP C Tunnel Records Sent; 'custom-gtp-c-tunnel-event-records-sent-failure': Custom GTP C Tunnel Records Sent Failure; 'custom-gtp-u-tunnel-event-records-sent': Custom GTP U Tunnel Records Sent; 'custom-gtp-u-tunnel-event-records-sent-failure': Custom GTP U Tunnel Records Sent Failure; 'custom-gtp-deny-event-records-sent': Custom GTP Deny Records Sent; 'custom-gtp-deny-event-records-sent-failure': Custom GTP Deny Records Sent Failure; 'custom-gtp-info-event-records-sent': Custom GTP Info Records Sent; 'custom-gtp-info-event-records-sent-failure': Custom GTP Info Records Sent Failure; 'custom-fw-iddos-entry-created-records-sent': Custom FW iDDoS Entry Created Records Sent; 'custom-fw-iddos-entry-created-records-sent-failure': Custom FW iDDoS Entry Created Records Sent Failure; 'custom-fw-iddos-entry-deleted-records-sent': Custom FW iDDoS Entry Deleted Records Sent; 'custom-fw-iddos-entry-deleted-records-sent-failure': Custom FW iDDoS Entry Deleted Records Sent Failure; 'custom-fw-sesn-limit-exceeded-records-sent': Custom FW Session Limit Exceeded Records Sent; 'custom-fw-sesn-limit-exceeded-records-sent-failure': Custom FW Session Limit Exceeded Records Sent Failure; 'custom-nat-iddos-l3-entry-created-records-sent': Custom NAT iDDoS L3 Entry Created Records Sent; 'custom-nat-iddos-l3-entry-created-records-sent-failure': Custom NAT iDDoS L3 Entry Created Records Sent Failure; 'custom-nat-iddos-l3-entry-deleted-records-sent': Custom NAT iDDoS L3 Entry Deleted Records Sent; 'custom-nat-iddos-l3-entry-deleted-records-sent-failure': Custom NAT iDDoS L3 Entry Deleted Records Sent Failure; 'custom-nat-iddos-l4-entry-created-records-sent': Custom NAT iDDoS L4 Entry Created Records Sent; 'custom-nat-iddos-l4-entry-created-records-sent-failure': Custom NAT iDDoS L4 Entry Created Records Sent Failure; 'custom-nat-iddos-l4-entry-deleted-records-sent': Custom NAT iDDoS L4 Entry Deleted Records Sent; 'custom-nat-iddos-l4-entry-deleted-records-sent-failure': Custom NAT iDDoS L4 Entry Deleted Records Sent Failure; 'custom-gtp-rate-limit-periodic-records-sent': Custom GTP Rate Limit Periodic Records Sent; 'custom-gtp-rate-limit-periodic-records-sent-failure': Custom GTP Rate Limit Periodic Records Sent Failure; 'ddos-general-stat-records-sent': ddos-general-stat-records-sent; 'ddos-general-stat-records-sent-failure': ddos-general-stat-records-sent-failure; 'ddos-http-stat-records-sent': ddos-http-stat-records-sent; 'ddos-http-stat-records-sent-failure': ddos-http-stat-records-sent-failure;

Type: string

Supported Values: custom-port-batching-v2-nat44-creation-records-sent-failure, custom-port-batching-v2-nat64-creation-records-sent, custom-port-batching-v2-nat64-creation-records-sent-failure, custom-port-batching-v2-dslite-creation-records-sent, custom-port-batching-v2-dslite-creation-records-sent-failure, custom-port-batching-v2-nat44-deletion-records-sent, custom-port-batching-v2-nat44-deletion-records-sent-failure, custom-port-batching-v2-nat64-deletion-records-sent, custom-port-batching-v2-nat64-deletion-records-sent-failure, custom-port-batching-v2-dslite-deletion-records-sent, custom-port-batching-v2-dslite-deletion-records-sent-failure, reduced-logs-by-destination, custom-gtp-c-tunnel-event-records-sent, custom-gtp-c-tunnel-event-records-sent-failure, custom-gtp-u-tunnel-event-records-sent, custom-gtp-u-tunnel-event-records-sent-failure, custom-gtp-deny-event-records-sent, custom-gtp-deny-event-records-sent-failure, custom-gtp-info-event-records-sent, custom-gtp-info-event-records-sent-failure, custom-fw-iddos-entry-created-records-sent, custom-fw-iddos-entry-created-records-sent-failure, custom-fw-iddos-entry-deleted-records-sent, custom-fw-iddos-entry-deleted-records-sent-failure, custom-fw-sesn-limit-exceeded-records-sent, custom-fw-sesn-limit-exceeded-records-sent-failure, custom-nat-iddos-l3-entry-created-records-sent, custom-nat-iddos-l3-entry-created-records-sent-failure, custom-nat-iddos-l3-entry-deleted-records-sent, custom-nat-iddos-l3-entry-deleted-records-sent-failure, custom-nat-iddos-l4-entry-created-records-sent, custom-nat-iddos-l4-entry-created-records-sent-failure, custom-nat-iddos-l4-entry-deleted-records-sent, custom-nat-iddos-l4-entry-deleted-records-sent-failure, custom-gtp-rate-limit-periodic-records-sent, custom-gtp-rate-limit-periodic-records-sent-failure, ddos-general-stat-records-sent, ddos-general-stat-records-sent-failure, ddos-http-stat-records-sent, ddos-http-stat-records-sent-failure

resend-template

Specification	Value
Type	*object*

records

Description To resend template once for each number of records (Number of records: default is 1000, 0 means disable template resend based on record-count)

Type: number

Range: 0-1000000

Default: 1000

timeout

Description To set time interval to resend template (number of seconds: default is 1800, 0 means disable template resend based on timeout)

Type: number

Range: 0-86400

Default: 1800

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.11 netflow monitor custom-record

Configure custom record types to be exported

custom-record Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	custom-record
Element URI	/axapi/v3/netflow/monitor/{name}/custom-record
Element Attributes	custom-record_attributes
Partition Visibility	shared
Schema	`custom-record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

```
POST /axapi/v3/netflow/monitor/a/custom-record
Payload:
{
    "custom-record": {
        "custom-cfg": [
            {
                "event": "sesn-event-nat44-creation",
                "ipfix-template": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

```
GET /axapi/v3/netflow/monitor/a/custom-record
Reponse:
{
    "custom-record": {
        "custom-cfg": [
```

(continues on next page)

(continued from previous page)

```
            {
                "event": "sesn-event-nat44-creation",
                "ipfix-template": "a"
            }
        ],
        "uuid": "48a58954-08fd-11f0-8ff3-bb094934892a",
        "a10-url": "/axapi/v3/netflow/monitor/a/custom-record"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/custom-record

custom-record attributes

custom-record attributes

custom-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

custom-cfg

Specification	Value
Type	*list*
Block object keys	

event

Description 'sesn-event-nat44-creation': Export NAT44 session creation events; 'sesn-event-nat44-deletion': Export NAT44 session deletion events; 'sesn-event-nat64-creation': Export NAT64 session creation events; 'sesn-event-nat64-deletion': Export NAT64 session deletion events; 'sesn-event-dslite-creation': Export Dslite session creation events; 'sesn-event-dslite-deletion': Export Dslite session deletion events; 'sesn-event-fw4-creation': Export FW4 session creation events; 'sesn-event-fw4-deletion': Export FW4 session deletion events; 'sesn-event-fw6-creation': Export FW6 session creation events; 'sesn-event-fw6-deletion': Export FW6 session deletion events; 'deny-reset-event-fw4': Export FW4 Deny Reset events; 'deny-reset-event-fw6': Export FW6 Deny Reset events; 'port-mapping-nat44-creation': Export NAT44 Port Mapping Creation Event; 'port-mapping-nat44-deletion': Export NAT44 Port Mapping Deletion Event; 'port-mapping-nat64-creation': Export NAT64 Port Mapping Creation Event; 'port-mapping-nat64-deletion': Export NAT64 Port Mapping Deletion Event; 'port-mapping-dslite-creation': Export Dslite Port Mapping Creation Event; 'port-mapping-dslite-deletion': Export Dslite Port Mapping Deletion Event; 'port-batch-nat44-creation': Export NAT44 Port Batch Creation Event; 'port-batch-nat44-deletion': Export NAT44 Port Batch Deletion Event; 'port-batch-nat64-creation': Export NAT64 Port Batch Creation Event; 'port-batch-nat64-deletion': Export NAT64 Port Batch Deletion Event; 'port-batch-dslite-creation': Export Dslite Port Batch Creation Event; 'port-batch-dslite-deletion': Export Dslite Port Batch Deletion Event; 'port-batch-v2-nat44-creation': Export NAT44 Port Batch v2 Creation Event; 'port-batch-v2-nat44-deletion': Export NAT44 Port Batch v2 Deletion Event; 'port-batch-v2-nat64-creation': Export NAT64 Port Batch v2 Creation Event; 'port-batch-v2-nat64-deletion': Export NAT64 Port Batch v2 Deletion Event; 'port-batch-v2-dslite-creation': Export Dslite Port Batch v2 Creation Event; 'port-batch-v2-dslite-deletion': Export Dslite Port Batch v2 Deletion Event; 'gtp-c-tunnel-event': Export GTP Control Tunnel Creation or Deletion Events; 'gtp-u-tunnel-event': Export GTP User Tunnel Creation or Deletion Events; 'gtp-deny-event': Export GTP Deny events on GTP C/U Tunnels; 'gtp-info-event': Export GTP Info events on GTP C/U Tunnels; 'fw-ddos-entry-creation': Export FW iDDoS Entry Created Record; 'fw-ddos-entry-deletion': Export FW iDDoS Entry Deleted Record; 'fw-session-limit-exceeded': Export FW Session Limit Exceeded Record; 'cgn-ddos-l3-entry-creation': Export CGN iDDoS L3 Entry Creation; 'cgn-ddos-l3-entry-deletion': Export CGN iDDoS L3 Entry Deletion; 'cgn-ddos-l4-entry-creation': Export CGN iDDoS L4 Entry Creation; 'cgn-ddos-l4-entry-deletion': Export CGN iDDoS L4 Entry Deletion; 'gtp-rate-limit-periodic': Export GTP Rate Limit Periodic;

Type: string

Supported Values: sesn-event-nat44-creation, sesn-event-nat44-deletion, sesn-event-nat64-creation, sesn-event-nat64-deletion, sesn-event-dslite-creation, sesn-event-dslite-deletion, sesn-event-fw4-creation, sesn-event-fw4-deletion, sesn-event-fw6-creation, sesn-event-fw6-deletion, deny-reset-event-fw4, deny-reset-event-fw6, port-mapping-nat44-creation, port-mapping-nat44-deletion, port-mapping-nat64-creation, port-mapping-nat64-deletion, port-mapping-dslite-creation, port-mapping-dslite-deletion, port-batch-nat44-creation, port-batch-nat44-deletion, port-batch-nat64-creation, port-batch-nat64-deletion, port-batch-dslite-creation, port-batch-dslite-deletion, port-batch-v2-nat44-creation, port-batch-v2-nat44-deletion, port-batch-v2-nat64-creation, port-batch-v2-nat64-deletion, port-batch-v2-dslite-creation, port-batch-v2-dslite-deletion, gtp-c-tunnel-event, gtp-u-tunnel-event, gtp-deny-event,

gtp-info-event, fw-ddos-entry-creation, fw-ddos-entry-deletion, fw-session-limit-exceeded, cgn-ddos-l3-entry-creation, cgn-ddos-l3-entry-deletion, cgn-ddos-l4-entry-creation, cgn-ddos-l4-entry-deletion, gtp-rate-limit-periodic

ipfix-template

Description Custom IPFIX Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/netflow/template*

2.82.12 netflow monitor destination

Configure destination where netflow records will be sent

destination Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	destination
Element URI	/axapi/v3/netflow/monitor/{name}/destination
Element Attributes	destination_attributes
Partition Visibility	shared
Schema	`destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

```
POST /axapi/v3/netflow/monitor/a/destination
Payload:
{
    "destination": {
        "service-group": "a"
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

```
GET /axapi/v3/netflow/monitor/a/destination
Reponse:
{
    "destination": {
        "service-group": "a",
        "uuid": "662ddf3a-08fd-11f0-8ff3-bb094934892a",
        "a10-url": "/axapi/v3/netflow/monitor/a/destination"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

```
PUT /axapi/v3/netflow/monitor/a/destination
Payload:
{
    "destination": {
        "service-group": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/destination

destination attributes

```
DELETE /axapi/v3/netflow/monitor/a/destination
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

destination attributes

ip-cfg

Description: ip-cfg is a **JSON Block**. Please see below for *ip-cfg*

Type: Object

ipv6-cfg

Description: ipv6-cfg is a **JSON Block**. Please see below for *ipv6-cfg*

Type: Object

service-group

Description Service-group for load balancing between multiple collector servers

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group, ip, and ipv6 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-cfg

Specification	Value
Type	*object*

ip

Description IP address of netflow collector

Type: string

Format: ipv4-address

Mutual Exclusion: ip, service-group, and ipv6 are mutually exclusive

port4

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

ipv6-cfg

Specification	Value
Type	*object*

ipv6

Description IPv6 address of netflow collector

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6, service-group, and ip are mutually exclusive

port6

Description Port number, default is 9996

Type: number

Range: 1-65535

Default: 9996

2.82.13 netflow monitor disable-log-by-destination

Disable logging by destination ip address protocol and port

disable-log-by-destination Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	disable-log-by-destination
Element URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination
Element Attributes	disable-log-by-destination_attributes
Partition Visibility	shared
Schema	`disable-log-by-destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

```
POST /axapi/v3/netflow/monitor/a/disable-log-by-destination
Payload:
{
    "disable-log-by-destination": {
        "ip-list": [
            {
```

(continues on next page)

(continued from previous page)

```
                "ipv4-addr": "6.0.0.0/8",
                "user-tag": "a"
            }
        ],
        "tcp-list": [
            {
                "tcp-port-start": 1,
                "tcp-port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

```
GET /axapi/v3/netflow/monitor/a/disable-log-by-destination
Reponse:
{
    "disable-log-by-destination": {
        "tcp-list": [
            {
                "tcp-port-start": 1,
                "tcp-port-end": 1
            }
        ],
        "icmp": 0,
        "others": 0,
        "uuid": "884adaf0-08fd-11f0-8ff3-bb094934892a",
        "ip-list": [
            {
                "ipv4-addr": "6.0.0.0/8",
                "icmp": 0,
                "others": 0,
                "uuid": "884af472-08fd-11f0-8ff3-bb094934892a",
                "user-tag": "a",
                "a10-url": "/axapi/v3/netflow/monitor/a/disable-log-by-destination/ip/6.
↪0.0.0%2F8"
            }
        ],
        "a10-url": "/axapi/v3/netflow/monitor/a/disable-log-by-destination"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination

disable-log-by-destination attributes

disable-log-by-destination attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}*

ip6-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}*

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list

Specification	Value
Type	*list*
Block object keys	

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip6-list_tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

ip6-list_udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.82.14 netflow monitor disable-log-by-destination ip

Configure a filter IP enrty

ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ip-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip
Element Name	ip
Element URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip

ip attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip

ip attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip

ip-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip

ip-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip/{ipv4-addr}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

```
ip-list : [
        { ip attributes },
        { ip attributes },
        ...
    ]
```

ip attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-addr

Description Configure an IP subnet

Type: string

Format: ipv4-cidr

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.82.15 netflow monitor disable-log-by-destination ip6

Configure a filter IP enrty

ip6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ip6-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6
Element Name	ip6
Element URI	/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}
Element Attributes	ip6_attributes
Partition Visibility	shared
Schema	`ip6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6

ip6 attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6

ip6 attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6

ip6-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6

ip6-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/disable-log-by-destination/ip6/{ipv6-addr}

ip6 attributes

ip6-list

ip6-list is **JSON List** of *ip6 attributes*

```
ip6-list : [
        { ip6 attributes },
        { ip6 attributes },
        ...
    ]
```

ip6 attributes

icmp

Description Disable logging for icmp traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-addr

Description Configure an IPv6 subnet

Type: string

Format: ipv6-address-plen

others

Description Disable logging for other L4 protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-list

Type: List

udp-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list

Specification	Value
Type	*list*
Block object keys	

tcp-port-end

Description Port Range End

Type: number

tcp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

udp-list

Specification	Value
Type	*list*
Block object keys	

udp-port-end

Description Port Range End

Type: number

udp-port-start

Description Destination Port (Single Destination Port or Port Range Start)

Type: number

2.82.16 netflow monitor oper

Operational Status for the object monitor

monitor Specification

Parameter	Value
Type	*Collection*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/netflow/monitor/{name}
Element Name	monitor
Element URI	/axapi/v3/netflow/monitor/{name}/oper
Element Attributes	monitor_attributes
Partition Visibility	None
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}

monitor attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}

monitor attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/oper

monitor attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}

monitor-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/oper

monitor attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/oper

monitor attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}

monitor-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/oper

monitor attributes

monitor-list

monitor-list is **JSON List** of *monitor attributes*

```
monitor-list : [
        { monitor attributes },
        { monitor attributes },
        ...
    ]
```

monitor attributes

name

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

counter-polling-interval

Description

Type: string

destination

Description

Type: string

filter

Description

Type: string

flow-timeout

Description

Type: string

protocol

Description

Type: string

resend-template-per-records

Description

Type: string

resend-template-timeout

Description

Type: string

source-ip-addr

Description

Type: string

source-ip-use-mgmt

Description

Type: string

status

Description

Type: string

2.82.17 netflow monitor record

Configure record types to be exported

record Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	record
Element URI	/axapi/v3/netflow/monitor/{name}/record
Element Attributes	record_attributes
Partition Visibility	shared
Schema	`record schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/record

record attributes

```
POST /axapi/v3/netflow/monitor/a/record
Payload:
{
    "record": {
        "netflow-v5": 1
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/record

record attributes

```
GET /axapi/v3/netflow/monitor/a/record
Reponse:
{
    "record": {
        "netflow-v5": 1,
        "netflow-v5-ext": 0,
        "nat44": 0,
        "nat64": 0,
        "dslite": 0,
        "uuid": "76094ee8-08fe-11f0-8ff3-bb094934892a",
        "a10-url": "/axapi/v3/netflow/monitor/a/record"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/record

record attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/record

record attributes

```
PUT /axapi/v3/netflow/monitor/a/record
Payload:
{
    "record": {
        "netflow-v5": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/record

record attributes

```
DELETE /axapi/v3/netflow/monitor/a/record
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

record attributes

ddos-general-stat

Description General DDOS statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos-http-stat

Description HTTP DDOS statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dslite

Description DS-Lite Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat44

Description NAT44 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nat64

Description NAT64 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5

Description NetFlow V5 Flow Record Template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

netflow-v5-ext

Description Extended NetFlow V5 Flow Record Template, supports ipv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-batch-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-batch-v2-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

port-mapping-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-dslite

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw4

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-fw6

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat44

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

sesn-event-nat64

Description 'both': Export both creation and deletion events; 'creation': Export only creation events; 'deletion': Export only deletion events;

Type: string

Supported Values: both, creation, deletion

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.18 netflow monitor resend-template

Configure when to resend netflow template

resend-template Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resend-template
Element URI	/axapi/v3/netflow/monitor/{name}/resend-template
Element Attributes	resend-template_attributes
Partition Visibility	shared
Schema	`resend-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

```
POST /axapi/v3/netflow/monitor/a/resend-template
Payload:
{
    "resend-template": {
        "timeout": 0
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

```
GET /axapi/v3/netflow/monitor/a/resend-template
Reponse:
{
    "resend-template": {
        "timeout": 0,
        "records": 1000,
        "uuid": "e601bb90-08fe-11f0-8ff3-bb094934892a",
        "a10-url": "/axapi/v3/netflow/monitor/a/resend-template"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

```
PUT /axapi/v3/netflow/monitor/a/resend-template
Payload:
{
    "resend-template": {
        "timeout": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/resend-template

resend-template attributes

```
DELETE /axapi/v3/netflow/monitor/a/resend-template
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

resend-template attributes

records

Description To resend template once for each number of records (Number of records: default is 1000, 0 means disable template resend based on record-count)

Type: number

Range: 0-1000000

Default: 1000

timeout

Description To set time interval to resend template (number of seconds: default is 1800, 0 means disable template resend based on timeout)

Type: number

Range: 0-86400

Default: 1800

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.19 netflow monitor sample

Configure filters for monitoring traffic (All traffic is monitored if no filters configured)

sample Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	sample
Element URI	/axapi/v3/netflow/monitor/{name}/sample
Element Attributes	sample_attributes
Partition Visibility	shared
Schema	`sample schema`

Operations Allowed:

Get Object

GET

/axapi/v3/netflow/monitor/{name}/sample

sample_attributes

sample attributes

ethernet-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}*

nat-pool-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}*

ve-list

Type: List

Reference Object: */axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}*

ve-list

Specification	Value
Type	*list*
Block object keys	

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description VE interface number

Type: number

Range: 2-4094

Reference Object: */axapi/v3/interface/ve*

nat-pool-list

Specification	Value
Type	*list*
Block object keys	

pool-name

Description Name of nat pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	Value
Type	*list*
Block object keys	

ifindex

Description Ethernet interface number

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.20 netflow monitor sample ethernet

select ethernet interface to monitor

ethernet Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ifindex*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/sample/ethernet
Element Name	ethernet
Element URI	/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}
Element Attributes	ethernet_attributes
Partition Visibility	shared
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/sample/ethernet

ethernet attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/sample/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}

ethernet attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/sample/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}

ethernet attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}

ethernet attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/sample/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/sample/ethernet/{ifindex}

ethernet attributes

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

```
ethernet-list : [
        { ethernet attributes },
        { ethernet attributes },
        ...
    ]
```

ethernet attributes

ifindex

Description Ethernet interface number

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.21 netflow monitor sample nat-pool

Select nat pool to monitor

nat-pool Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*pool-name*
Collection Name	*nat-pool-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/sample/nat-pool
Element Name	nat-pool
Element URI	/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}
Element Attributes	nat-pool_attributes
Partition Visibility	shared
Schema	`nat-pool schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/sample/nat-pool

nat-pool attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/sample/nat-pool

nat-pool attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}

nat-pool attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/sample/nat-pool

nat-pool-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}

nat-pool attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}

nat-pool attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/sample/nat-pool

nat-pool-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/sample/nat-pool/{pool-name}

nat-pool attributes

nat-pool-list

nat-pool-list is **JSON List** of *nat-pool attributes*

```
nat-pool-list : [
        { nat-pool attributes },
        { nat-pool attributes },
        ...
    ]
```

nat-pool attributes

pool-name

Description Name of nat pool

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.22 netflow monitor sample ve

select VE interface to monitor

ve Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ve-num*
Collection Name	*ve-list*
Collection URI	/axapi/v3/netflow/monitor/{name}/sample/ve
Element Name	ve
Element URI	/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}
Element Attributes	ve_attributes
Partition Visibility	shared
Schema	`ve schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/sample/ve

ve attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}/sample/ve

ve attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}

ve attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}/sample/ve

ve-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}

ve attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}

ve attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}/sample/ve

ve-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/sample/ve/{ve-num}

ve attributes

ve-list

ve-list is **JSON List** of *ve attributes*

ve-list : [

{ *ve attributes* },

{ *ve attributes* },

...

]

ve attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-num

Description VE interface number

Type: number

Range: 2-4094

Reference Object: */axapi/v3/interface/ve*

2.82.23 netflow monitor source-address

Specify source address of Netflow packet

source-address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	source-address
Element URI	/axapi/v3/netflow/monitor/{name}/source-address
Element Attributes	source-address_attributes
Partition Visibility	shared
Schema	`source-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

```
POST /axapi/v3/netflow/monitor/a/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

```
GET /axapi/v3/netflow/monitor/a/source-address
Reponse:
{
    "source-address": {
        "ip": "3.3.3.3",
        "uuid": "6189f660-08ff-11f0-8ff3-bb094934892a",
        "a10-url": "/axapi/v3/netflow/monitor/a/source-address"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

```
PUT /axapi/v3/netflow/monitor/a/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/source-address

source-address attributes

```
DELETE /axapi/v3/netflow/monitor/a/source-address
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

source-address attributes

ip

Description Specify source IP address

Type: string

Format: ipv4-address

ipv6

Description Specify source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.82.24 netflow monitor stats

Statistics for the object monitor

monitor Specification

Parameter	Value
Type	*Collection*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/netflow/monitor/{name}
Element Name	monitor
Element URI	/axapi/v3/netflow/monitor/{name}/stats
Element Attributes	monitor_attributes
Partition Visibility	None
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/monitor/{name}

monitor attributes

Create List

POST

/axapi/v3/netflow/monitor/{name}

monitor attributes

Get Object

GET

/axapi/v3/netflow/monitor/{name}/stats

monitor attributes

Get List

GET

/axapi/v3/netflow/monitor/{name}

monitor-list

Modify Object

POST

/axapi/v3/netflow/monitor/{name}/stats

monitor attributes

Replace Object

PUT

/axapi/v3/netflow/monitor/{name}/stats

monitor attributes

Replace List

PUT

/axapi/v3/netflow/monitor/{name}

monitor-list

Delete Object

DELETE

/axapi/v3/netflow/monitor/{name}/stats

monitor attributes

monitor-list

monitor-list is **JSON List** of *monitor attributes*

```
monitor-list : [
        { monitor attributes },
        { monitor attributes },
        ...
    ]
```

monitor attributes

name

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bytes-sent

Description Sent Bytes Count

Type: number

Format: counter

custom-deny-reset-event-fw4-records-sent

Description Custom FW4 Deny/Reset Event Records Sent

Type: number

Format: counter

custom-deny-reset-event-fw4-records-sent-failure

Description Custom FW4 Deny/Reset Event Records Failed

Type: number

Format: counter

custom-deny-reset-event-fw6-records-sent

Description Custom FW6 Deny/Reset Event Records Sent

Type: number

Format: counter

custom-deny-reset-event-fw6-records-sent-failure

Description Custom FW6 Deny/Reset Event Records Failed

Type: number

Format: counter

custom-fw-iddos-entry-created-records-sent

Description Custom FW iDDoS Entry Created Records Sent

Type: number

Format: counter

custom-fw-iddos-entry-created-records-sent-failure

Description Custom FW iDDoS Entry Created Records Sent Failure

Type: number

Format: counter

custom-fw-iddos-entry-deleted-records-sent

Description Custom FW iDDoS Entry Deleted Records Sent

Type: number

Format: counter

custom-fw-iddos-entry-deleted-records-sent-failure

Description Custom FW iDDoS Entry Deleted Records Sent Failure

Type: number

Format: counter

custom-fw-sesn-limit-exceeded-records-sent

Description Custom FW Session Limit Exceeded Records Sent

Type: number

Format: counter

custom-fw-sesn-limit-exceeded-records-sent-failure

Description Custom FW Session Limit Exceeded Records Sent Failure

Type: number

Format: counter

custom-gtp-c-tunnel-event-records-sent

Description Custom GTP C Tunnel Records Sent

Type: number

Format: counter

custom-gtp-c-tunnel-event-records-sent-failure

Description Custom GTP C Tunnel Records Sent Failure

Type: number

Format: counter

custom-gtp-deny-event-records-sent

Description Custom GTP Deny Records Sent

Type: number

Format: counter

custom-gtp-deny-event-records-sent-failure

Description Custom GTP Deny Records Sent Failure

Type: number

Format: counter

custom-gtp-info-event-records-sent

Description Custom GTP Info Records Sent

Type: number

Format: counter

custom-gtp-info-event-records-sent-failure

Description Custom GTP Info Records Sent Failure

Type: number

Format: counter

custom-gtp-rate-limit-periodic-records-sent

Description Custom GTP Rate Limit Periodic Records Sent

Type: number

Format: counter

custom-gtp-rate-limit-periodic-records-sent-failure

Description Custom GTP Rate Limit Periodic Records Sent Failure

Type: number

Format: counter

custom-gtp-u-tunnel-event-records-sent

Description Custom GTP U Tunnel Records Sent

Type: number

Format: counter

custom-gtp-u-tunnel-event-records-sent-failure

Description Custom GTP U Tunnel Records Sent Failure

Type: number

Format: counter

custom-nat-iddos-l3-entry-created-records-sent

Description Custom NAT iDDoS L3 Entry Created Records Sent

Type: number

Format: counter

custom-nat-iddos-l3-entry-created-records-sent-failure

Description Custom NAT iDDoS L3 Entry Created Records Sent Failure

Type: number

Format: counter

custom-nat-iddos-l3-entry-deleted-records-sent

Description Custom NAT iDDoS L3 Entry Deleted Records Sent

Type: number

Format: counter

custom-nat-iddos-l3-entry-deleted-records-sent-failure

Description Custom NAT iDDoS L3 Entry Deleted Records Sent Failure

Type: number

Format: counter

custom-nat-iddos-l4-entry-created-records-sent

Description Custom NAT iDDoS L4 Entry Created Records Sent

Type: number

Format: counter

custom-nat-iddos-l4-entry-created-records-sent-failure

Description Custom NAT iDDoS L4 Entry Created Records Sent Failure

Type: number

Format: counter

custom-nat-iddos-l4-entry-deleted-records-sent

Description Custom NAT iDDoS L4 Entry Deleted Records Sent

Type: number

Format: counter

custom-nat-iddos-l4-entry-deleted-records-sent-failure

Description Custom NAT iDDoS L4 Entry Deleted Records Sent Failure

Type: number

Format: counter

custom-port-batching-dslite-creation-records-sent

Description Custom Dslite Port Batch Creation Records Sent

Type: number

Format: counter

custom-port-batching-dslite-creation-records-sent-failure

Description Custom Dslite Port Batch Creation Records Failed

Type: number

Format: counter

custom-port-batching-dslite-deletion-records-sent

Description Custom Dslite Port Batch Deletion Records Sent

Type: number

Format: counter

custom-port-batching-dslite-deletion-records-sent-failure

Description Custom Dslite Port Batch Deletion Records Failed

Type: number

Format: counter

custom-port-batching-nat44-creation-records-sent

Description Custom Nat44 Port Batch Creation Records Sent

Type: number

Format: counter

custom-port-batching-nat44-creation-records-sent-failure

Description Custom Nat44 Port Batch Creation Records Failed

Type: number

Format: counter

custom-port-batching-nat44-deletion-records-sent

Description Custom Nat44 Port Batch Deletion Records Sent

Type: number

Format: counter

custom-port-batching-nat44-deletion-records-sent-failure

Description Custom Nat44 Port Batch Deletion Records Failed

Type: number

Format: counter

custom-port-batching-nat64-creation-records-sent

Description Custom Nat64 Port Batch Creation Records Sent

Type: number

Format: counter

custom-port-batching-nat64-creation-records-sent-failure

Description Custom Nat64 Port Batch Creation Records Failed

Type: number

Format: counter

custom-port-batching-nat64-deletion-records-sent

Description Custom Nat64 Port Batch Deletion Records Sent

Type: number

Format: counter

custom-port-batching-nat64-deletion-records-sent-failure

Description Custom Nat64 Port Batch Deletion Records Failed

Type: number

Format: counter

custom-port-batching-v2-dslite-creation-records-sent

Description Custom Dslite Port Batch V2 Creation Records Sent

Type: number

Format: counter

custom-port-batching-v2-dslite-creation-records-sent-failure

Description Custom Dslite Port Batch V2 Creation Records Failed

Type: number

Format: counter

custom-port-batching-v2-dslite-deletion-records-sent

Description Custom Dslite Port Batch V2 Deletion Records Sent

Type: number

Format: counter

custom-port-batching-v2-dslite-deletion-records-sent-failure

Description Custom Dslite Port Batch V2 Deletion Records Failed

Type: number

Format: counter

custom-port-batching-v2-nat44-creation-records-sent

Description Custom Nat44 Port Batch V2 Creation Records Sent

Type: number

Format: counter

custom-port-batching-v2-nat44-creation-records-sent-failure

Description Custom Nat44 Port Batch V2 Creation Records Failed

Type: number

Format: counter

custom-port-batching-v2-nat44-deletion-records-sent

Description Custom Nat44 Port Batch V2 Deletion Records Sent

Type: number

Format: counter

custom-port-batching-v2-nat44-deletion-records-sent-failure

Description Custom Nat44 Port Batch V2 Deletion Records Failed

Type: number

Format: counter

custom-port-batching-v2-nat64-creation-records-sent

Description Custom Nat64 Port Batch V2 Creation Records Sent

Type: number

Format: counter

custom-port-batching-v2-nat64-creation-records-sent-failure

Description Custom Nat64 Port Batch V2 Creation Records Failed

Type: number

Format: counter

custom-port-batching-v2-nat64-deletion-records-sent

Description Custom Nat64 Port Batch V2 Deletion Records Sent

Type: number

Format: counter

custom-port-batching-v2-nat64-deletion-records-sent-failure

Description Custom Nat64 Port Batch V2 Deletion Records Failed

Type: number

Format: counter

custom-port-mapping-dslite-creation-records-sent

Description Custom Dslite Port Map Creation Records Sent

Type: number

Format: counter

custom-port-mapping-dslite-creation-records-sent-failure

Description Custom Dslite Port Map Creation Records Failed

Type: number

Format: counter

custom-port-mapping-dslite-deletion-records-sent

Description Custom Dslite Port Map Deletion Records Sent

Type: number

Format: counter

custom-port-mapping-dslite-deletion-records-sent-failure

Description Custom Dslite Port Map Deletion Records Failed

Type: number

Format: counter

custom-port-mapping-nat44-creation-records-sent

Description Custom Nat44 Port Map Creation Records Sent

Type: number

Format: counter

custom-port-mapping-nat44-creation-records-sent-failure

Description Custom Nat44 Port Map Creation Records Failed

Type: number

Format: counter

custom-port-mapping-nat44-deletion-records-sent

Description Custom Nat44 Port Map Deletion Records Sent

Type: number

Format: counter

custom-port-mapping-nat44-deletion-records-sent-failure

Description Custom Nat44 Port Map Deletion Records Failed

Type: number

Format: counter

custom-port-mapping-nat64-creation-records-sent

Description Custom Nat64 Port Map Creation Records Sent

Type: number

Format: counter

custom-port-mapping-nat64-creation-records-sent-failure

Description Custom Nat64 Port Map Creation Records Failed

Type: number

Format: counter

custom-port-mapping-nat64-deletion-records-sent

Description Custom Nat64 Port Map Deletion Records Sent

Type: number

Format: counter

custom-port-mapping-nat64-deletion-records-sent-failure

Description Custom Nat64 Port Map Deletion Records Failed

Type: number

Format: counter

custom-session-event-dslite-creation-records-sent

Description Custom Dslite Session Creation Records Sent

Type: number

Format: counter

custom-session-event-dslite-creation-records-sent-failure

Description Custom Dslite Session Creation Records Failed

Type: number

Format: counter

custom-session-event-dslite-deletion-records-sent

Description Custom Dslite Session Deletion Records Sent

Type: number

Format: counter

custom-session-event-dslite-deletion-records-sent-failure

Description Custom Dslite Session Deletion Records Failed

Type: number

Format: counter

custom-session-event-fw4-creation-records-sent

Description Custom FW4 Session Creation Records Sent

Type: number

Format: counter

custom-session-event-fw4-creation-records-sent-failure

Description Custom FW4 Session Creation Records Failed

Type: number

Format: counter

custom-session-event-fw4-deletion-records-sent

Description Custom FW4 Session Deletion Records Sent

Type: number

Format: counter

custom-session-event-fw4-deletion-records-sent-failure

Description Custom FW4 Session Deletion Records Failed

Type: number

Format: counter

custom-session-event-fw6-creation-records-sent

Description Custom FW6 Session Creation Records Sent

Type: number

Format: counter

custom-session-event-fw6-creation-records-sent-failure

Description Custom FW6 Session Creation Records Failed

Type: number

Format: counter

custom-session-event-fw6-deletion-records-sent

Description Custom FW6 Session Deletion Records Sent

Type: number

Format: counter

custom-session-event-fw6-deletion-records-sent-failure

Description Custom FW6 Session Deletion Records Failed

Type: number

Format: counter

custom-session-event-nat44-creation-records-sent

Description Custom Nat44 Session Creation Records Sent

Type: number

Format: counter

custom-session-event-nat44-creation-records-sent-failure

Description Custom Nat44 Session Creation Records Failed

Type: number

Format: counter

custom-session-event-nat44-deletion-records-sent

Description Custom Nat44 Session Deletion Records Sent

Type: number

Format: counter

custom-session-event-nat44-deletion-records-sent-failure

Description Custom Nat44 Session Deletion Records Failed

Type: number

Format: counter

custom-session-event-nat64-creation-records-sent

Description Custom Nat64 Session Creation Records Sent

Type: number

Format: counter

custom-session-event-nat64-creation-records-sent-failure

Description Custom Nat64 Session Creation Records Failed

Type: number

Format: counter

custom-session-event-nat64-deletion-records-sent

Description Custom Nat64 Session Deletion Records Sent

Type: number

Format: counter

custom-session-event-nat64-deletion-records-sent-failure

Description Custom Nat64 Session Deletion Records Failed

Type: number

Format: counter

ddos-general-stat-records-sent

Description

Type: number

Format: counter

ddos-general-stat-records-sent-failure

Description

Type: number

Format: counter

ddos-http-stat-records-sent

Description

Type: number

Format: counter

ddos-http-stat-records-sent-failure

Description

Type: number

Format: counter

dslite-records-sent

Description Dslite Flow Records Sent

Type: number

Format: counter

dslite-records-sent-failure

Description Dslite Flow Records Failed

Type: number

Format: counter

nat44-records-sent

Description NAT44 Flow Records Sent

Type: number

Format: counter

nat44-records-sent-failure

Description NAT44 Flow Records Failed

Type: number

Format: counter

nat64-records-sent

Description NAT64 Flow Records Sent

Type: number

Format: counter

nat64-records-sent-failure

Description NAT64 Flow Records Failed

Type: number

Format: counter

netflow-v5-ext-records-sent

Description Netflow v5 Ext Records Sent

Type: number

Format: counter

netflow-v5-ext-records-sent-failure

Description Netflow v5 Ext Records Failed

Type: number

Format: counter

netflow-v5-records-sent

Description Netflow v5 Records Sent

Type: number

Format: counter

netflow-v5-records-sent-failure

Description Netflow v5 Records Failed

Type: number

Format: counter

packets-sent

Description Sent Packets Count

Type: number

Format: counter

port-batching-dslite-records-sent

Description Port Batching Dslite Records Sent

Type: number

Format: counter

port-batching-dslite-records-sent-failure

Description Port Batching Dslite Records Failed

Type: number

Format: counter

port-batching-nat44-records-sent

Description Port Batching Nat44 Records Sent

Type: number

Format: counter

port-batching-nat44-records-sent-failure

Description Port Batching Nat44 Records Failed

Type: number

Format: counter

port-batching-nat64-records-sent

Description Port Batching Nat64 Records Sent

Type: number

Format: counter

port-batching-nat64-records-sent-failure

Description Port Batching Nat64 Records Failed

Type: number

Format: counter

port-batching-v2-dslite-records-sent

Description Port Batching V2 Dslite Records Sent

Type: number

Format: counter

port-batching-v2-dslite-records-sent-failure

Description Port Batching V2 Dslite Records Falied

Type: number

Format: counter

port-batching-v2-nat44-records-sent

Description Port Batching V2 Nat44 Records Sent

Type: number

Format: counter

port-batching-v2-nat44-records-sent-failure

Description Port Batching V2 Nat44 Records Failed

Type: number

Format: counter

port-batching-v2-nat64-records-sent

Description Port Batching V2 Nat64 Records Sent

Type: number

Format: counter

port-batching-v2-nat64-records-sent-failure

Description Port Batching V2 Nat64 Records Failed

Type: number

Format: counter

port-mapping-dslite-records-sent

Description Port Mapping Dslite Event Records Sent

Type: number

Format: counter

port-mapping-dslite-records-sent-failure

Description Port Mapping Dslite Event Records failed

Type: number

Format: counter

port-mapping-nat44-records-sent

Description Port Mapping Nat44 Event Records Sent

Type: number

Format: counter

port-mapping-nat44-records-sent-failure

Description Port Mapping Nat44 Event Records Failed

Type: number

Format: counter

port-mapping-nat64-records-sent

Description Port Mapping Nat64 Event Records Sent

Type: number

Format: counter

port-mapping-nat64-records-sent-failure

Description Port Mapping Nat64 Event Records Failed

Type: number

Format: counter

reduced-logs-by-destination

Description Reduced Logs by Destination Protocol and Port

Type: number

Format: counter

session-event-dslite-records-sent

Description Dslite Session Event Records Sent

Type: number

Format: counter

session-event-dslite-records-sent-failure

Description Dslite Session Event Records Failed

Type: number

Format: counter

session-event-fw4-records-sent

Description FW4 Session Event Records Sent

Type: number

Format: counter

session-event-fw4-records-sent-failure

Description FW4 Session Event Records Failed

Type: number

Format: counter

session-event-fw6-records-sent

Description FW6 Session Event Records Sent

Type: number

Format: counter

session-event-fw6-records-sent-failure

Description FW6 Session Event Records Failed

Type: number

Format: counter

session-event-nat44-records-sent

Description Nat44 Session Event Records Sent

Type: number

Format: counter

session-event-nat44-records-sent-failure

Description Nat44 Session Event Records Failed

Type: number

Format: counter

session-event-nat64-records-sent

Description Nat64 Session Event Records Sent

Type: number

Format: counter

session-event-nat64-records-sent-failure

Description Nat64 Session Event Records Falied

Type: number

Format: counter

2.82.25 netflow template

IPFIX Custom Template

template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/netflow/template
Element Name	template
Element URI	/axapi/v3/netflow/template/{name}
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/template

template attributes

```
POST /axapi/v3/netflow/template/
Payload:
{
    "template": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/netflow/template

template attributes

Get Object

GET

/axapi/v3/netflow/template/{name}

template attributes

```
GET /axapi/v3/netflow/template/a
Reponse:
{
    "template": {
        "name": "a",
        "uuid": "7e6a9532-08ff-11f0-8ff3-bb094934892a",
        "user-tag": "a",
        "a10-url": "/axapi/v3/netflow/template/a"
    }
}
```

Get List

GET

/axapi/v3/netflow/template

template-list

Modify Object

POST

/axapi/v3/netflow/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/netflow/template/{name}

template attributes

```
PUT /axapi/v3/netflow/template/a
Payload:
{
    "template": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/netflow/template

template-list

Delete Object

DELETE

/axapi/v3/netflow/template/{name}

template attributes

```
DELETE /axapi/v3/netflow/template/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

information-element-blk

Type: List

ipfix-template-id

Description Custom IPFIX Template ID

Type: number

Range: 2001-3000

name

Description IPFIX CUSTOM Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

information-element-blk

Specification	Value
Type	*list*
Block object keys	

information-element

Description 'fwd-tuple-vnp-id': Session forward tuple partition id (ID: 33028); 'rev-tuple-vnp-id': Session reverse tuple partition id (ID: 33029); 'source-ipv4-address': IPv4 source address in the IP packet header (ID: 8); 'source-ipv4-prefix-len': Prefix length for IPv4 source address(ID: 9); 'dest-ipv4-address': IPv4 destination address in the IP packet header (ID: 12); 'dest-ipv4-prefix-len': Prefix length for IPv4 dest address(ID: 13); 'source-ipv6-address': IPv6 source address in the IP packet header (ID: 27); 'source-ipv6-prefix-len': Prefix length for IPv6 source address(ID:29); 'dest-ipv6-address': IPv6 destination address in the IP packet header

(ID:28); 'dest-ipv6-prefix-len': Prefix length for IPv6 dest address (ID:30); 'post-nat-source-ipv4-address': IPv4 natted source address (ID: 225); 'post-nat-dest-ipv4-address': IPv4 natted destination address(ID: 226); 'post-nat-source-ipv6-address': IPv6 natted source address (ID: 281); 'post-nat-dest-ipv6-address': IPv6 natted destination address (ID: 282); 'source-port': Source port identifier in the transport header (ID: 7); 'dest-port': Destination port identifier in the transport header (ID: 11); 'post-nat-source-port': L4 natted source port(ID: 227); 'post-nat-dest-port': L4 natted destination port (ID: 228); 'fwd-tuple-type': Session forward tuple type (ID: 33024); 'rev-tuple-type': Session reverse tuple type (ID: 33025); 'ip-proto': Value of the protocol number in the IP packet header (ID: 4); 'flow-direction': Flow direction: 0:inbound(To an outside interface)/1:outbound(To an inside interface) (ID: 61); 'tcp-control-bits': Cumulative of all the TCP flags seen for this flow (ID: 6); 'fwd-bytes': Incoming bytes associated with an IP Flow (ID: 1); 'fwd-packets': Incoming packets associated with an IP Flow (ID: 2); 'rev-bytes': Delta bytes in reverse direction of bidirectional flow record (ID: 32769); 'rev-packets': Delta packets in reverse direction of bidirectional flow record (ID: 32770); 'in-port': Incoming interface port (ID: 10); 'out-port': Outcoming interface port (ID: 14); 'in-interface': Incoming interface name e.g. ethernet 0 (ID: 82); 'out-interface': Outcoming interface name e.g. ethernet 0 (ID: 32850); 'port-range-start': Port number identifying the start of a range of ports (ID: 361); 'port-range-end': Port number identifying the end of a range of ports (ID: 362); 'port-range-step-size': Step size in a port range (ID: 363); 'port-range-num-ports': Number of ports in a port range (ID: 364); 'rule-name': Rule Name (ID: 33034); 'rule-set-name': Rule-Set Name (ID: 33035); 'fw-source-zone': Firewall Source Zone Name (ID: 33036); 'fw-dest-zone': Firewall Dest Zone Name (ID: 33037); 'application-id': Application ID (ID: 95); 'application-name': Application Name (ID: 96); 'imsi': Subscriber Attribute IMSI (ID: 455); 'msisdn': Subscriber Attribute MSISDN (ID: 456); 'imei': Subscriber Attribute IMEI (ID: 33030); 'radius-custom1': Radius Attribute Custom 1 (ID: 33031); 'radius-custom2': Radius Attribute Custom 2(ID: 33032); 'radius-custom3': Radius Attribute Custom 3 (ID:33033); 'radius-custom4': Radius Attribute Custom 4 (ID: 33067); 'radius-custom5': Radius Attribute Custom 5(ID: 33068); 'radius-custom6': Radius Attribute Custom 6 (ID:33069); 'flow-start-msec': The absolute timestamp of the first packet of the flow (ID: 152); 'flow-duration-msec': Difference in time between the first observed packet of this flow and the last observed packet of this flow (4 bytes) (ID: 161); 'flow-duration-msec-64': Difference in time between the first observed packet of this flow and the last observed packet of this flow (8 bytes) (ID: 33039); 'flow-end-msec': The absolute timestamp of the last packet of the flow (ID: 153); 'nat-event': Indicates a NAT event (ID: 230); 'fw-event': Indicates a FW session event(ID: 233); 'fw-deny-reset-event': Indicates a FW deny/reset event (ID: 33038); 'cgn-flow-direction': Flow direction: 0:inbound(To an outside interface)/1:outbound(To an inside interface)/2:hairpin(From an inside interface to an inside interface) (ID: 33040); 'fw-dest-fqdn': Firewall matched fqdn(ID: 33041); 'flow-end-reason': A10 flow end reason(ID: 33042); 'gtp-deny-reason': Indicates a GTP deny event (ID: 33043); 'gtp-apn': Indicates GTP APN (ID: 33044); 'gtp-steid': Indicates GTP Source TEID (ID: 33045); 'gtp-dteid': Indicates GTP Destination TEID (ID: 33046); 'gtp-selection-mode': Indicates GTP Selection Mode (ID: 33047); 'gtp-mcc': Indicates the MCC of the Serving Network (ID: 33048); 'gtp-mnc': Indicates the MNC of the serving network (ID: 33049); 'gtp-rat-type': Indicates the RAT Type received in the GTP Control packet (ID: 33050); 'gtp-pdn-pdp-type': Indicates the PDN/PDP Type in the GTP Control Packet (ID: 33051); 'gtp-uli': Indicates the User Location Information (ID: 33052); 'gtp-enduser-v4-addr': Indicates the Subscriber IPv4 Address (ID: 33053); 'gtp-enduser-v6-addr': Indicates the Subscriber IPv6 Address (ID: 33054); 'gtp-bearer-id-or-nsapi': Indicates the EPS Bearer ID or NSAPI of the Subscriber (ID: 33055); 'gtp-qci': Indicates the QoS Profile or Traffic Class of the subscriber (ID: 33056); 'gtp-info-event-ind': Indicates a GTP Info event(ID: 33057); 'gtp-restarted-node-ipv4': Restarted S5 Node IPV4 Address(ID: 33058); 'gtp-restarted-node-ipv6': Restarted S5 Node IPV6 Address(ID: 33059); 'gtp-c-tunnels-removed-with-node-restart': Indicates GTP-C tunnels removed by Node restart (ID: 33060); 'radius-imsi': Subscriber Attribute IMSI (Deprecated Field) (ID: 455); 'radius-msisdn': Subscriber Attribute MSISDN (Deprecated Field) (ID: 456); 'radius-imei': Subscriber Attribute IMEI (Deprecated Field) (ID: 33030); 'event-time-

msec': The absolute time in milliseconds of an event observation(ID: 323); 'security-event-type': Type of security event(ID: 33063); 'limit-exceeded-count': Limit exceeded count for FW concurrent session(ID: 33062); 'rate-limit-key': Rate Limit Key(ID: 33064); 'rate-limit-type': Rate Limit Type(ID: 33065); 'rate-limit-drop-count': Rate Limit Drop Count(ID: 33066);

Type: string

Supported Values: fwd-tuple-vnp-id, rev-tuple-vnp-id, source-ipv4-address, source-ipv4-prefix-len, dest-ipv4-address, dest-ipv4-prefix-len, source-ipv6-address, source-ipv6-prefix-len, dest-ipv6-address, dest-ipv6-prefix-len, post-nat-source-ipv4-address, post-nat-dest-ipv4-address, post-nat-source-ipv6-address, post-nat-dest-ipv6-address, source-port, dest-port, post-nat-source-port, post-nat-dest-port, fwd-tuple-type, rev-tuple-type, ip-proto, flow-direction, tcp-control-bits, fwd-bytes, fwd-packets, rev-bytes, rev-packets, in-port, out-port, in-interface, out-interface, port-range-start, port-range-end, port-range-step-size, port-range-num-ports, rule-name, rule-set-name, fw-source-zone, fw-dest-zone, application-id, application-name, application-category-name, application-subcategory-name, imsi, msisdn, imei, radius-custom1, radius-custom2, radius-custom3, radius-custom4, radius-custom5, radius-custom6, flow-start-msec, flow-duration-msec, flow-duration-msec-64, flow-end-msec, nat-event, fw-event, fw-deny-reset-event, cgn-flow-direction, fw-dest-fqdn, flow-end-reason, gtp-deny-reason, gtp-apn, gtp-steid, gtp-dteid, gtp-selection-mode, gtp-mcc, gtp-mnc, gtp-rat-type, gtp-pdn-pdp-type, gtp-uli, gtp-enduser-v4-addr, gtp-enduser-v6-addr, gtp-bearer-id-or-nsapi, gtp-qci, gtp-info-event-ind, gtp-restarted-node-ipv4, gtp-restarted-node-ipv6, gtp-c-tunnels-removed-with-node-restart, radius-imsi, radius-msisdn, radius-imei, event-time-msec, security-event-type, limit-exceeded-count, rate-limit-key, rate-limit-type, rate-limit-drop-count, rfc-flow-end-reason

2.82.26 netflow use-partition

Use NetFlow configuration on a dedicated partition

use-partition Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	use-partition
Element URI	/axapi/v3/netflow/use-partition
Element Attributes	use-partition_attributes
Partition Visibility	shared
Schema	`use-partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/netflow/use-partition

use-partition attributes

```
POST /axapi/v3/netflow/use-partition
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "use-partition": {
        "part-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/netflow/use-partition

use-partition attributes

```
GET /axapi/v3/netflow/use-partition
Reponse:
{
    "use-partition": {
        "part-name": "a",
        "uuid": "a28ee0a8-08ff-11f0-8ff3-bb094934892a",
        "a10-url": "/axapi/v3/netflow/use-partition"
    }
}
```

Modify Object

POST

/axapi/v3/netflow/use-partition

use-partition attributes

Replace Object

PUT

/axapi/v3/netflow/use-partition

use-partition attributes

Delete Object

DELETE

/axapi/v3/netflow/use-partition

use-partition attributes

use-partition attributes

part-name

Description Dedicated partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83 network

Objects:

2.83.1 network

Configure Network Command

network Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	network
Element URI	/axapi/v3/network
Element Attributes	network_attributes
Partition Visibility	shared
Schema	`network schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network

network_attributes

network attributes

arp

Description: arp is a **JSON Block**. Please see below for *arp*

Type: Object

Reference Object: */axapi/v3/network/arp*

arp-timeout

Description: arp-timeout is a **JSON Block**. Please see below for *arp-timeout*

Type: Object

Reference Object: */axapi/v3/network/arp-timeout*

available-trunk-list

Description: available-trunk-list is a **JSON Block**. Please see below for *available-trunk-list*

Type: Object

Reference Object: */axapi/v3/network/available-trunk-list*

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Reference Object: */axapi/v3/network/bfd*

bpdu-fwd-group-list

Type: List

Reference Object: */axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}*

bridge-vlan-group-list

Type: List

Reference Object: */axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}*

icmp-rate-limit

Description: icmp-rate-limit is a **JSON Block**. Please see below for *icmp-rate-limit*

Type: Object

Reference Object: */axapi/v3/network/icmp-rate-limit*

icmpv6-rate-limit

Description: icmpv6-rate-limit is a **JSON Block**. Please see below for *icmpv6-rate-limit*

Type: Object

Reference Object: */axapi/v3/network/icmpv6-rate-limit*

l2-bfd

Description: l2-bfd is a **JSON Block**. Please see below for *l2-bfd*

Type: Object

Reference Object: */axapi/v3/network/l2-bfd*

lacp

Description: lacp is a **JSON Block**. Please see below for *lacp*

Type: Object

Reference Object: */axapi/v3/network/lacp*

lacp-passthrough-list

Type: List

Reference Object: */axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}*

lif-stats

Description: lif-stats is a **JSON Block**. Please see below for *lif-stats*

Type: Object

Reference Object: */axapi/v3/network/lif-stats*

lldp

Description: lldp is a **JSON Block**. Please see below for *lldp*

Type: Object

Reference Object: */axapi/v3/network/lldp*

mac-address

Description: mac-address is a **JSON Block**. Please see below for *mac-address*

Type: Object

Reference Object: */axapi/v3/network/mac-address*

mac-age-time

Description: mac-age-time is a **JSON Block**. Please see below for *mac-age-time*

Type: Object

Reference Object: */axapi/v3/network/mac-age-time*

spanning-tree

Description: spanning-tree is a **JSON Block**. Please see below for *spanning-tree*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree*

trunk

Description: trunk is a **JSON Block**. Please see below for *trunk*

Type: Object

Reference Object: */axapi/v3/network/trunk*

trunk-stats

Description: trunk-stats is a **JSON Block**. Please see below for *trunk-stats*

Type: Object

Reference Object: */axapi/v3/network/trunk-stats*

twamp

Description: twamp is a **JSON Block**. Please see below for *twamp*

Type: Object

Reference Object: */axapi/v3/network/twamp*

ve-stats

Description: ve-stats is a **JSON Block**. Please see below for *ve-stats*

Type: Object

Reference Object: */axapi/v3/network/ve-stats*

virtual-wire-ethernet-group-list

Type: List

Reference Object: */axapi/v3/network/virtual-wire-ethernet-group/{group-id}*

virtual-wire-global

Description: virtual-wire-global is a **JSON Block**. Please see below for *virtual-wire-global*

Type: Object

Reference Object: */axapi/v3/network/virtual-wire-global*

virtual-wire-health-check-list

Type: List

Reference Object: */axapi/v3/network/virtual-wire-health-check/{vlan}*

virtual-wire-list

Type: List

Reference Object: */axapi/v3/network/virtual-wire/{virtual-wire-id}*

virtual-wire-vlan-pair-list

Type: List

Reference Object: */axapi/v3/network/virtual-wire-vlan-pair/{pair-id}*

virtual-wire-vlan-pair-set-list

Type: List

Reference Object: */axapi/v3/network/virtual-wire-vlan-pair-set/{set-id}*

vlan-global

Description: vlan-global is a **JSON Block**. Please see below for *vlan-global*

Type: Object

Reference Object: */axapi/v3/network/vlan-global*

vlan-group-list

Type: List

Reference Object: */axapi/v3/network/vlan-group/{vlan-num-start}+{vlan-num-end}*

vlan-list

Type: List

Reference Object: */axapi/v3/network/vlan/{vlan-num}*

arp

Specification	Value
Type	*object*

dynamic

Description: dynamic is a **JSON Block**. Please see below for *arp_dynamic*

Type: Object

Reference Object: */axapi/v3/network/arp/dynamic*

static-list

Type: List

Reference Object: */axapi/v3/network/arp/static/{ip-addr}+{vlan}*

arp_dynamic

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

arp_static-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

ip-addr

Description IP address

Type: string

Format: ipv4-address

mac-addr

Description MAC address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

bpdu-fwd-group-list

Specification	Value
Type	*list*
Block object keys	

bpdu-fwd-group-number

Description

Type: number

Range: 1-8

ethernet-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bpdu-fwd-group-list_ethernet-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet Port

Type: number

Format: interface

ethernet-start

Description Ethernet Port (Interface number)

Type: number

Format: interface

vlan-global

Specification	Value
Type	*object*

enable-def-vlan-l2-forwarding

Description Enable layer 2 forwarding on default vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2-fwd-for-me-arp-ns

Description Enable L2 forwarding for both ARP and NS packet with target IP/IPv6 addresses that are owned by the device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'xparent_vlan_list_err': Transparent Mode VLAN List Errors;

Type: string

Supported Values: all, xparent_vlan_list_err, asymmetric_route_drop_err

lacp

Specification	Value
Type	*object*

system-priority

Description LACP system priority (LACP system priority, 1-65535, default 32768)

Type: number

Range: 1-65535

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

twamp

Specification	Value
Type	*object*

responder

Description: responder is a **JSON Block**. Please see below for *twamp_responder*

Type: Object

Reference Object: */axapi/v3/network/twamp/responder*

twamp_responder

Specification	Value
Type	*object*

enable-both-ip-ipv6

Description Enable both IP and IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-both-ip-ipv6, enable-ip, and enable-ipv6 are mutually exclusive

enable-ip

Description Enable IP TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ip, enable-ipv6, and enable-both-ip-ipv6 are mutually exclusive

enable-ipv6

Description Enable IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ipv6, enable-ip, and enable-both-ip-ipv6 are mutually exclusive

ip

Description: ip is a **JSON Block**. Please see below for *twamp_responder_ip*

Type: Object

Reference Object: */axapi/v3/network/twamp/responder/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *twamp_responder_ipv6*

Type: Object

Reference Object: */axapi/v3/network/twamp/responder/ipv6*

port

Description Port number

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

twamp_responder_ip

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

acl-name

Description Apply a named access list (Access List name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name and acl-id are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

twamp_responder_ipv6

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

lif-stats

Specification	Value
Type	*object*

enable

Description Enable LIF interface stats generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-vlan-pair-list

Specification	Value
Type	*list*
Block object keys	

pair-id

Description virtual wire vlan pair id

Type: number

Range: 1-16

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan1

Description first vlan in the pair

Type: number

Range: 2-4094

vlan2

Description second vlan in the pair

Type: number

Range: 2-4094

virtual-wire-health-check-list

Specification	Value
Type	*list*
Block object keys	

active-threshold

Description Threshold(Packet Per Second) for entering active mode

Type: number

Range: 1-1048575

enable

Description Enable the health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface

Type: number

Format: interface

garp-interval

Description Interval (Seconds), default is 3, 0 for interface event only

Type: number

Range: 0-180

inner-vlan

Description inner VLAN for 802.1QinQ

Type: number

Range: 2-4094

inner-vlan-packet-count

Description Only count packets with configured inner VLAN ID

Type: number

Range: 2-4094

interval

Description Interval (Seconds), default is 3

Type: number

Range: 1-180

l3-packet

Description Only count L3 packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description 'ping': Ping; 'garp': GARP; 'packet-count': Packet Count;

Type: string

Supported Values: ping, garp, packet-count

nexthop-ip

Description Nexthop address

Type: string

Format: ipv4-address

nexthop-mac

Description Nexthop mac address

Type: string

Format: mac-address

partition-health-check

Description Health check state stands for the partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

sby-ethernet

Description Ethernet interface

Type: number

Format: interface

sby-trunk

Description Trunk interface

Type: number

Range: 1-4096

source-ip

Description source ip for ping method

Type: string

Format: ipv4-address

source-mac

Description source mac for ping method

Type: string

Format: mac-address

trunk

Description Trunk interface

Type: number

Range: 1-4096

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID, specify 1 for untagged traffic

Type: number

Range: 1-4094

virtual-wire-health-check-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'act-event': Active Event Count; 'sby-event': Standby Event Count; 'packet-count': Packet Count;

Type: string

Supported Values: all, act-event, sby-event, packet-count

bfd

Specification	Value
Type	*object*

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *bfd_interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds (default: 800))

Type: number

Range: 48-1000

Default: 800

min-rx

Description Minimum receive interval capability (Milliseconds (default: 800))

Type: number

Range: 48-1000

Default: 800

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval (default: 4))

Type: number

Range: 3-50

Default: 4

mac-age-time

Specification	Value
Type	*object*

aging-time

Description Set aging period in seconds for all MAC interfaces (default 300 seconds)

Type: number

Range: 10-600

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-stats

Specification	Value
Type	*object*

enable

Description Enable trunk interface stats generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-vlan-pair-set-list

Specification	Value
Type	*list*
Block object keys	

set-cfg

Type: List

set-id

Description virtual wire vlan set id

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-vlan-pair-set-list_set-cfg

Specification	Value
Type	*list*
Block object keys	

virtual-wire-vlan-pair

Description virtual wire vlan pair id

Type: number

Range: 1-16

Reference Object: */axapi/v3/network/virtual-wire-vlan-pair*

virtual-wire-list

Specification	Value
Type	*list*
Block object keys	

eth1

Description

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

eth2

Description

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

group1

Description

Type: number

Range: 1-16

Reference Object: */axapi/v3/network/virtual-wire-ethernet-group*

group2

Description

Type: number

Range: 1-16

Reference Object: */axapi/v3/network/virtual-wire-ethernet-group*

trunk1

Description

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

trunk2

Description

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-id

Description virtual wire id

Type: number

Range: 1-32

bridge-vlan-group-list

Specification	Value
Type	*list*
Block object keys	

bridge-vlan-group-number

Description Bridge VLAN Group Number

Type: number

Range: 1-255

forward-traffic

Description 'forward-all-traffic': Forward all traffic between bridge members; 'forward-ip-traffic': Forward only IP traffic between bridge members (default);

Type: string

Supported Values: forward-all-traffic, forward-ip-traffic

Default: forward-ip-traffic

name

Description Bridge Group Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet Port (Virtual Ethernet Port number)

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

vlan-list

Type: List

bridge-vlan-group-list_vlan-list

Specification	Value
Type	*list*
Block object keys	

vlan-end

Description VLAN id

Type: number

Reference Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN id

Type: number

Reference Object: */axapi/v3/network/vlan*

mac-address

Specification	Value
Type	*object*

dynamic

Description: dynamic is a **JSON Block**. Please see below for *mac-address_dynamic*

Type: Object

Reference Object: */axapi/v3/network/mac-address/dynamic*

static-list

Type: List

Reference Object: */axapi/v3/network/mac-address/static/{mac}+{vlan}*

mac-address_dynamic

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mac-address_static-list

Specification	Value
Type	*list*
Block object keys	

dest

Description Trap MAC with this DA to CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac

Description Configure a Static MAC address

Type: string

Format: mac-address

port

Description Ethernet Port on which the Address is applicable (Port Value)

Type: number

Format: interface

redirect-dummy-mac

Description Dummy for redirect use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN Id

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

spanning-tree

Specification	Value
Type	*object*

mode

Description: mode is a **JSON Block**. Please see below for *spanning-tree_mode*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode*

spanning-tree_mode

Specification	Value
Type	*object*

info

Description: info is a **JSON Block**. Please see below for *spanning-tree_mode_info*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/info*

interface

Description: interface is a **JSON Block**. Please see below for *spanning-tree_mode_interface*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/interface*

mstp

Description: mstp is a **JSON Block**. Please see below for *spanning-tree_mode_mstp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/mstp*

rstp

Description: rstp is a **JSON Block**. Please see below for *spanning-tree_mode_rstp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/rstp*

stp

Description: stp is a **JSON Block**. Please see below for *spanning-tree_mode_stp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/stp*

spanning-tree_mode_info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_mode_interface

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_mode_stp

Specification	Value
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

spanning-tree_mode_rstp

Specification	Value
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

spanning-tree_mode_mstp

Specification	Value
Type	*object*

action

Description Enable spanning tree MSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list

Type: List

Reference Object: */axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}*

priority

Description Set bridge priority

Type: number

Range: 0-61440

Default: 32768

revision-cfg

Description: revision-cfg is a **JSON Block**. Please see below for *spanning-tree_mode_mstp_revision-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spanning-tree_mode_mstp_revision-cfg

Specification	Value
Type	*object*

name

Description Set MSTP revision name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

revision

Description Set MSTP revision level and name

Type: number

Range: 0-65535

spanning-tree_mode_mstp_instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

spanning-tree_mode_mstp_instance-list_vlan-list

Specification	Value
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Reference Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Reference Object: */axapi/v3/network/vlan*

lldp

Specification	Value
Type	*object*

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *lldp_enable-cfg*

Type: Object

management-address

Description: management-address is a **JSON Block**. Please see below for *lldp_management-address*

Type: Object

Reference Object: */axapi/v3/network/lldp/management-address*

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *lldp_notification-cfg*

Type: Object

system-description

Description Configure lldp system description

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

system-name

Description Configure lldp system name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

tx-set

Description: tx-set is a **JSON Block**. Please see below for *lldp_tx-set*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_management-address

Specification	Value
Type	*object*

dns-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/dns/{dns}*

ipv4-addr-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}*

ipv6-addr-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}*

lldp_management-address_ipv6-addr-list

Specification	Value
Type	*list*
Block object keys	

interface-ipv6

Description: interface-ipv6 is a **JSON Block**. Please see below for *lldp_management-address_ipv6-addr-list_interface-ipv6*

Type: Object

ipv6

Description Configure lldp management-address, subtype is ipv6 (lldp management-address ipv6 address)

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_management-address_ipv6-addr-list_interface-ipv6

Specification	Value
Type	*object*

ipv6-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv6-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

lldp_management-address_ipv4-addr-list

Specification	Value
Type	*list*
Block object keys	

interface-ipv4

Description: interface-ipv4 is a **JSON Block**. Please see below for *lldp_management-address_ipv4-addr-list_interface-ipv4*

Type: Object

ipv4

Description Configure lldp management-address, subtype is ipv4 (lldp management-address ipv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_management-address_ipv4-addr-list_interface-ipv4

Specification	Value
Type	*object*

ipv4-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv4-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

lldp_management-address_dns-list

Specification	Value
Type	*list*
Block object keys	

dns

Description Configure lldp management-address, subtype is dns (lldp management-address dns address)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

interface

Description: interface is a **JSON Block**. Please see below for *lldp_management-address_dns-list_interface*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lldp_management-address_dns-list_interface

Specification	Value
Type	*object*

ethernet

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

Mutual Exclusion: ethernet, ve, and management are mutually exclusive

management

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: management, ethernet, and ve are mutually exclusive

ve

Description configure lldp management-address interface management (lldp management-address interface port number)

Type: number

Range: 2-4094

Mutual Exclusion: ve, ethernet, and management are mutually exclusive

lldp_notification-cfg

Specification	Value
Type	*object*

interval

Description Configure lldp notification interval, default is 30 (The lldp notification interval value, default is 30)

Type: number

Range: 5-3600

Default: 30

notification

Description Enable lldp notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lldp_tx-set

Specification	Value
Type	*object*

fast-count

Description Configure lldp tx fast count value (The lldp tx fast count value, default is 4)

Type: number

Range: 1-8

Default: 4

fast-interval

Description Configure lldp tx fast interval value (The lldp tx fast interval value, default is 1)

Type: number

Range: 1-3600

Default: 1

hold

Description Configure lldp tx hold multiplier (The lldp tx hold value, default is 4)

Type: number

Range: 1-10

Default: 4

reinit-delay

Description Configure lldp tx reinit delay (The lldp tx reinit_delay value, default is 2)

Type: number

Range: 1-10

Default: 2

tx-interval

Description Configure lldp tx interval (The lldp tx interval value, default is 30)

Type: number

Range: 1-3600

Default: 30

lldp_enable-cfg

Specification	Value
Type	*object*

enable

Description Enable lldp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2-bfd

Specification	Value
Type	*object*

ether-type

Description Ethernet paylaod type for L2BFD packets, help-val 16 bit hex value, default is hex 88B6

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval (default: 4))

Type: number

Range: 3-50

Default: 4

rx-interval

Description Minimum receive interval capability (Milliseconds (default: 800))

Type: number

Range: 48-1000

Default: 800

tx-interval

Description Transmit interval between BFD packets (Milliseconds (default: 800))

Type: number

Range: 48-1000

Default: 800

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-stats

Specification	Value
Type	*object*

enable

Description Enable vlan ve interface stats generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-global

Specification	Value
Type	*object*

sampling-enable

Type: List

src-mac-learning

Description Update source mac information for all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update-active-vlan

Description 'all': all; 'l3-packet': l3-packet(default);

Type: string

Supported Values: all, l3-packet

Default: l3-packet

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-update-period

Description Update period in second (default is 30)

Type: number

Range: 1-255

Default: 30

virtual-wire-global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'vlan-update': VLAN update; 'mac-update': MAC update;

Type: string

Supported Values: all, vlan-update, mac-update, vlan-pair-update, hc-pkt-drop

virtual-wire-ethernet-group-list

Specification	Value
Type	*list*
Block object keys	

eth-list

Type: List

group-id

Description

Type: number

Range: 1-16

trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-ethernet-group-list_eth-list

Specification	Value
Type	*list*
Block object keys	

eth-end

Description

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

eth-start

Description

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

virtual-wire-ethernet-group-list_trunk-list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description

Type: number

Reference Object: */axapi/v3/interface/trunk*

trunk-start

Description

Type: number

Reference Object: */axapi/v3/interface/trunk*

trunk

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Specification	Value
Type	*list*
Block object keys	

name

Description VLAN name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

shared-vlan

Description Configure VLAN as a shared VLAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tagged-eth-list

Type: List

tagged-trunk-list

Type: List

traffic-distribution-mode

Description 'sip': sip; 'dip': dip; 'primary': primary; 'blade': blade; 'l4-src-port': l4-src-port; 'l4-dst-port': l4-dst-port;

Type: string

Supported Values: sip, dip, l3-lookup, primary, blade, l4-src-port, l4-dst-port

untagged-eth-list

Type: List

untagged-lif

Description Logical tunnel interface (Logical tunnel interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

untagged-trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description ve number

Type: number

Range: 2-4094

vlan-num

Description VLAN number

Type: number

Range: 2-4094

vlan-list_untagged-trunk-list

Specification	Value
Type	*list*
Block object keys	

untagged-trunk-end

Description Trunk Group

Type: number

untagged-trunk-start

Description Trunk groups

Type: number

vlan-list_untagged-eth-list

Specification	Value
Type	*list*
Block object keys	

untagged-ethernet-end

Description Ethernet port

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

untagged-ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

vlan-list_tagged-eth-list

Specification	Value
Type	*list*
Block object keys	

tagged-ethernet-end

Description Ethernet port

Type: number

Format: interface

tagged-ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

vlan-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'broadcast_count': Broadcast counter; 'multicast_count': Multicast counter; 'ip_multicast_count': IP Multicast counter; 'unknown_unicast_count': Unknown Unicast counter; 'mac_movement_count': Mac Movement counter; 'shared_vlan_partition_switched_counter': SVLAN Partition switched counter;

Type: string

Supported Values: all, broadcast_count, multicast_count, ip_multicast_count, unknown_unicast_count, mac_movement_count, shared_vlan_partition_switched_counter

vlan-list_tagged-trunk-list

Specification	Value
Type	*list*
Block object keys	

tagged-trunk-end

Description Trunk Group

Type: number

tagged-trunk-start

Description Trunk groups

Type: number

icmp-rate-limit

Specification	Value
Type	*object*

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-normal-rate-limit

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

arp-timeout

Specification	Value
Type	*object*

timeout

Description ARP entry timeout

Type: number

Range: 60-86400

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

available-trunk-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmpv6-rate-limit

Specification	Value
Type	*object*

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-normal-rate-limit

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lacp-passthrough-list

Specification	Value
Type	*list*
Block object keys	

peer-from

Description Peer member to forward received LACP packets

Type: number

Format: interface

peer-to

Description Peer member to forward received LACP packets

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-group-list

Specification	Value
Type	*list*
Block object keys	

eth-list

Type: List

trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-num-end

Description End of VLAN range

Type: number

Range: 2-4094

vlan-num-start

Description Start of VLAN range

Type: number

Range: 2-4094

vlan-group-list_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port (Interface number)

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

vlan-group-list_trunk-list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description

Type: number

Reference Object: */axapi/v3/interface/trunk*

trunk-start

Description

Type: number

Reference Object: */axapi/v3/interface/trunk*

2.83.2 network arp

Configure ARP

arp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	arp
Element URI	/axapi/v3/network/arp
Element Attributes	arp_attributes
Partition Visibility	shared
Schema	`arp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/arp

arp_attributes

arp attributes

dynamic

Description: dynamic is a **JSON Block**. Please see below for *dynamic*

Type: Object

Reference Object: */axapi/v3/network/arp/dynamic*

static-list

Type: List

Reference Object: */axapi/v3/network/arp/static/{ip-addr}+{vlan}*

dynamic

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

ip-addr

Description IP address

Type: string

Format: ipv4-address

mac-addr

Description MAC address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

2.83.3 network arp dynamic oper

Operational Status for the object dynamic

dynamic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dynamic
Element URI	/axapi/v3/network/arp/dynamic/oper
Element Attributes	dynamic_attributes
Partition Visibility	None
Schema	`dynamic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/arp/dynamic/oper

dynamic attributes

Get Object

GET

/axapi/v3/network/arp/dynamic/oper

dynamic attributes

Modify Object

POST

/axapi/v3/network/arp/dynamic/oper

dynamic attributes

Replace Object

PUT

/axapi/v3/network/arp/dynamic/oper

dynamic attributes

Delete Object

DELETE

/axapi/v3/network/arp/dynamic/oper

dynamic attributes

dynamic attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

arp-list

Type: List

oper_arp-list

Specification	Value
Type	*list*
Block object keys	

Age

Description

Type: number

Range: 60-86400

IP-Address

Description

Type: string

Format: ipv4-address

Interface

Description

Type: string

MAC-Address

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

Type

Description

Type: string

Supported Values: Incomplete, Dynamic, Static

Vlan

Description

Type: number

Range: 1-4094

2.83.4 network arp static

static ARP Commands

static Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-addr, vlan*
Collection Name	*static-list*
Collection URI	/axapi/v3/network/arp/static
Element Name	static
Element URI	/axapi/v3/network/arp/static/{ip-addr}+{vlan}
Element Attributes	static_attributes
Partition Visibility	shared
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/arp/static

static attributes

```
POST /axapi/v3/network/arp/static/
Payload:
{
    "static": {
        "ip-addr": "3.3.3.3",
        "mac-addr": "1000.2000.3000",
        "vlan": 2,
        "ethernet": 3
    }
}
```

Create List

POST

/axapi/v3/network/arp/static

static attributes

Get Object

GET

/axapi/v3/network/arp/static/{ip-addr}+{vlan}

static attributes

```
GET /axapi/v3/network/arp/static/3.3.3.3+2
Reponse:
{
    "static": {
        "ip-addr": "3.3.3.3",
        "mac-addr": "1000.2000.3000",
        "ethernet": 3,
        "vlan": 2,
        "uuid": "a6719aea-099e-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/arp/static/3.3.3.3+2"
    }
}
```

Get List

GET

/axapi/v3/network/arp/static

static-list

Modify Object

POST

/axapi/v3/network/arp/static/{ip-addr}+{vlan}

static attributes

Replace Object

PUT

/axapi/v3/network/arp/static/{ip-addr}+{vlan}

static attributes

```
PUT /axapi/v3/network/arp/static/3.3.3.3+2
Payload:
{
    "static": {
        "ip-addr": "3.3.3.3",
        "mac-addr": "1000.2000.3000",
        "vlan": 2,
        "ethernet": 2
    }
}
```

Replace List

PUT

/axapi/v3/network/arp/static

static-list

Delete Object

DELETE

/axapi/v3/network/arp/static/{ip-addr}+{vlan}

static attributes

```
DELETE /axapi/v3/network/arp/static/3.3.3.3+2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

ethernet

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: ethernet and trunk are mutually exclusive

ip-addr

Description IP address

Type: string

Format: ipv4-address

mac-addr

Description MAC address

Type: string

Format: mac-address

trunk

Description Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: trunk and ethernet are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

2.83.5 network arp-timeout

ARP entry timeout

arp-timeout Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	arp-timeout
Element URI	/axapi/v3/network/arp-timeout
Element Attributes	arp-timeout_attributes
Partition Visibility	shared
Schema	`arp-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/arp-timeout

arp-timeout attributes

```
POST /axapi/v3/network/arp-timeout
Payload:
{
    "arp-timeout": {
        "timeout": 60
    }
}
```

Get Object

GET

/axapi/v3/network/arp-timeout

arp-timeout attributes

```
GET /axapi/v3/network/arp-timeout
Reponse:
{
    "arp-timeout": {
        "timeout": 60,
        "uuid": "0132f67a-099c-11f0-b3da-5323f81e20fe",
        "a10-url": "/axapi/v3/network/arp-timeout"
    }
}
```

Modify Object

POST

/axapi/v3/network/arp-timeout

arp-timeout attributes

Replace Object

PUT

/axapi/v3/network/arp-timeout

arp-timeout attributes

```
PUT /axapi/v3/network/arp-timeout
Payload:
{
    "arp-timeout": {
        "timeout": 60
    }
}
```

Delete Object

DELETE

/axapi/v3/network/arp-timeout

arp-timeout attributes

```
DELETE /axapi/v3/network/arp-timeout
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

arp-timeout attributes

timeout

Description ARP entry timeout

Type: number

Range: 60-86400

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.6 network available-trunk-list

List of ethernet interfaces available in a partition

available-trunk-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	available-trunk-list
Element URI	/axapi/v3/network/available-trunk-list
Element Attributes	available-trunk-list_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/network/available-trunk-list/oper
Schema	`available-trunk-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

Get Object

GET

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

Modify Object

POST

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

Replace Object

PUT

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

Delete Object

DELETE

/axapi/v3/network/available-trunk-list

available-trunk-list attributes

available-trunk-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.7 network available-trunk-list oper

Operational Status for the object available-trunk-list

available-trunk-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	available-trunk-list
Element URI	/axapi/v3/network/available-trunk-list/oper
Element Attributes	available-trunk-list_attributes
Partition Visibility	None
Schema	`available-trunk-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/available-trunk-list/oper

available-trunk-list attributes

Get Object

GET

/axapi/v3/network/available-trunk-list/oper

available-trunk-list attributes

Modify Object

POST

/axapi/v3/network/available-trunk-list/oper

available-trunk-list attributes

Replace Object

PUT

/axapi/v3/network/available-trunk-list/oper

available-trunk-list attributes

Delete Object

DELETE

/axapi/v3/network/available-trunk-list/oper

available-trunk-list attributes

available-trunk-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

if-list

Type: List

oper_if-list

Specification	Value
Type	*list*
Block object keys	

IF-Num

Description

Type: number

IF-Status

Description

Type: string

Supported Values: pristine, owned

IF-Type

Description

Type: string

Supported Values: trunk

2.83.8 network bfd

Configure BFD (Bidirectional Forwarding Detection)

bfd Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/network/bfd
Element Attributes	bfd_attributes
Partition Visibility	shared
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/bfd

bfd attributes

```
POST /axapi/v3/network/bfd
Payload:
{
    "bfd": {
        "echo": 1
    }
}
```

Get Object

GET

/axapi/v3/network/bfd

bfd attributes

```
GET /axapi/v3/network/bfd
Reponse:
{
    "bfd": {
        "echo": 1,
        "enable": 0,
        "interval-cfg": {
            "interval": 800,
            "min-rx": 800,
            "multiplier": 4
        },
        "uuid": "e28ac70e-099e-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/network/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/network/bfd

bfd attributes

```
PUT /axapi/v3/network/bfd
Payload:
{
    "bfd": {
        "echo": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/network/bfd

bfd attributes

```
DELETE /axapi/v3/network/bfd
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

bfd attributes

echo

Description Enable BFD Echo

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable BFD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval-cfg

Description: interval-cfg is a **JSON Block**. Please see below for *interval-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interval-cfg

Specification	Value
Type	*object*

interval

Description Transmit interval between BFD packets (Milliseconds (default: 800))

Type: number

Range: 48-1000

Default: 800

min-rx

Description Minimum receive interval capability (Milliseconds (default: 800))

Type: number

Range: 48-1000

Default: 800

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval (default: 4))

Type: number

Range: 3-50

Default: 4

2.83.9 network bpdu-fwd-group

STP BPDU forward Group Settings

bpdu-fwd-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*bpdu-fwd-group-number*
Collection Name	*bpdu-fwd-group-list*
Collection URI	/axapi/v3/network/bpdu-fwd-group
Element Name	bpdu-fwd-group
Element URI	/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}
Element Attributes	bpdu-fwd-group_attributes
Partition Visibility	shared
Schema	`bpdu-fwd-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/bpdu-fwd-group

bpdu-fwd-group attributes

```
POST /axapi/v3/network/bpdu-fwd-group/
Payload:
{
    "bpdu-fwd-group": {
        "bpdu-fwd-group-number": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/bpdu-fwd-group

bpdu-fwd-group attributes

Get Object

GET

/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}

bpdu-fwd-group attributes

```
GET /axapi/v3/network/bpdu-fwd-group/1
Reponse:
{
    "bpdu-fwd-group": {
        "bpdu-fwd-group-number": 1,
        "uuid": "012b7b36-099f-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/bpdu-fwd-group/1"
    }
}
```

Get List

GET

/axapi/v3/network/bpdu-fwd-group

bpdu-fwd-group-list

Modify Object

POST

/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}

bpdu-fwd-group attributes

Replace Object

PUT

/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}

bpdu-fwd-group attributes

```
PUT /axapi/v3/network/bpdu-fwd-group/1
Payload:
{
    "bpdu-fwd-group": {
        "bpdu-fwd-group-number": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/network/bpdu-fwd-group

bpdu-fwd-group-list

Delete Object

DELETE

/axapi/v3/network/bpdu-fwd-group/{bpdu-fwd-group-number}

bpdu-fwd-group attributes

```
DELETE /axapi/v3/network/bpdu-fwd-group/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bpdu-fwd-group-list

bpdu-fwd-group-list is **JSON List** of *bpdu-fwd-group attributes*

bpdu-fwd-group-list : [

{ *bpdu-fwd-group attributes* },

{ *bpdu-fwd-group attributes* },

...

]

bpdu-fwd-group attributes

bpdu-fwd-group-number

Description

Type: number

Range: 1-8

ethernet-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet Port

Type: number

Format: interface

ethernet-start

Description Ethernet Port (Interface number)

Type: number

Format: interface

2.83.10 network bridge-vlan-group

Bridge VLAN Group Settings

bridge-vlan-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*bridge-vlan-group-number*
Collection Name	*bridge-vlan-group-list*
Collection URI	/axapi/v3/network/bridge-vlan-group
Element Name	bridge-vlan-group
Element URI	/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}
Element Attributes	bridge-vlan-group_attributes
Partition Visibility	shared
Schema	`bridge-vlan-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/bridge-vlan-group

bridge-vlan-group attributes

```
POST /axapi/v3/network/bridge-vlan-group/
Payload:
{
    "bridge-vlan-group": {
        "bridge-vlan-group-number": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/bridge-vlan-group

bridge-vlan-group attributes

Get Object

GET

/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}

bridge-vlan-group attributes

```
GET /axapi/v3/network/bridge-vlan-group/1
Reponse:
{
    "bridge-vlan-group": {
        "bridge-vlan-group-number": 1,
        "forward-traffic": "forward-ip-traffic",
        "uuid": "25cbbe42-099f-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/bridge-vlan-group/1"
    }
}
```

Get List

GET

/axapi/v3/network/bridge-vlan-group

bridge-vlan-group-list

Modify Object

POST

/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}

bridge-vlan-group attributes

Replace Object

PUT

/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}

bridge-vlan-group attributes

```
PUT /axapi/v3/network/bridge-vlan-group/1
Payload:
{
    "bridge-vlan-group": {
        "bridge-vlan-group-number": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/network/bridge-vlan-group

bridge-vlan-group-list

Delete Object

DELETE

/axapi/v3/network/bridge-vlan-group/{bridge-vlan-group-number}

bridge-vlan-group attributes

```
DELETE /axapi/v3/network/bridge-vlan-group/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bridge-vlan-group-list

bridge-vlan-group-list is **JSON List** of *bridge-vlan-group attributes*

bridge-vlan-group-list : [

{ *bridge-vlan-group attributes* },

{ *bridge-vlan-group attributes* },

...

]

bridge-vlan-group attributes

bridge-vlan-group-number

Description Bridge VLAN Group Number

Type: number

Range: 1-255

forward-traffic

Description 'forward-all-traffic': Forward all traffic between bridge members; 'forward-ip-traffic': Forward only IP traffic between bridge members (default);

Type: string

Supported Values: forward-all-traffic, forward-ip-traffic

Default: forward-ip-traffic

name

Description Bridge Group Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet Port (Virtual Ethernet Port number)

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

vlan-list

Type: List

vlan-list

Specification	Value
Type	*list*
Block object keys	

vlan-end

Description VLAN id

Type: number

Reference Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN id

Type: number

Reference Object: */axapi/v3/network/vlan*

2.83.11 network icmp-rate-limit

Limit the rate of ICMP packet

icmp-rate-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp-rate-limit
Element URI	/axapi/v3/network/icmp-rate-limit
Element Attributes	icmp-rate-limit_attributes
Partition Visibility	shared
Schema	`icmp-rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

```
POST /axapi/v3/network/icmp-rate-limit
Payload:
{
    "icmp-rate-limit": {
        "icmp-normal-rate-limit": 1,
        "icmp-lockup": 1,
        "icmp-lockup-period": 1
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

```
GET /axapi/v3/network/icmp-rate-limit
Reponse:
{
    "icmp-rate-limit": {
        "icmp-normal-rate-limit": 1,
        "icmp-lockup": 1,
        "icmp-lockup-period": 1,
        "uuid": "33efdfca-09a0-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/icmp-rate-limit"
    }
}
```

Modify Object

POST

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

Replace Object

PUT

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

```
PUT /axapi/v3/network/icmp-rate-limit
Payload:
{
    "icmp-rate-limit": {
        "icmp-normal-rate-limit": 1,
        "icmp-lockup": 2,
        "icmp-lockup-period": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/network/icmp-rate-limit

icmp-rate-limit attributes

```
DELETE /axapi/v3/network/icmp-rate-limit
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

icmp-rate-limit attributes

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-normal-rate-limit

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.12 network icmpv6-rate-limit

Limit the rate of ICMPv6 packet

icmpv6-rate-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmpv6-rate-limit
Element URI	/axapi/v3/network/icmpv6-rate-limit
Element Attributes	icmpv6-rate-limit_attributes
Partition Visibility	shared
Schema	`icmpv6-rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

```
POST /axapi/v3/network/icmpv6-rate-limit
Payload:
{
    "icmpv6-rate-limit": {
        "icmpv6-normal-rate-limit": 1,
        "icmpv6-lockup-period": 1,
        "icmpv6-lockup": 1
    }
}
```

Get Object

GET

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

```
GET /axapi/v3/network/icmpv6-rate-limit
Reponse:
{
    "icmpv6-rate-limit": {
        "icmpv6-normal-rate-limit": 1,
        "icmpv6-lockup": 1,
        "icmpv6-lockup-period": 1,
        "uuid": "4ed03010-09a0-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/icmpv6-rate-limit"
    }
}
```

Modify Object

POST

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

Replace Object

PUT

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

```
PUT /axapi/v3/network/icmpv6-rate-limit
Payload:
{
    "icmpv6-rate-limit": {
        "icmpv6-normal-rate-limit": 1,
        "icmpv6-lockup-period": 2,
        "icmpv6-lockup": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/network/icmpv6-rate-limit

icmpv6-rate-limit attributes

```
DELETE /axapi/v3/network/icmpv6-rate-limit
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

icmpv6-rate-limit attributes

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-normal-rate-limit

Description Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.13 network l2-bfd

Configure Layer-2 BFD global configuration

l2-bfd Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l2-bfd
Element URI	/axapi/v3/network/l2-bfd
Element Attributes	l2-bfd_attributes
Partition Visibility	shared
Schema	`l2-bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/l2-bfd

l2-bfd attributes

```
POST /axapi/v3/network/l2-bfd
Payload:
{
    "l2-bfd": {
        "ether-type": "88B6"
    }
}
```

Get Object

GET

/axapi/v3/network/l2-bfd

l2-bfd attributes

```
GET /axapi/v3/network/l2-bfd
Reponse:
{
    "l2-bfd": {
        "ether-type": "88B6",
        "tx-interval": 800,
        "rx-interval": 800,
        "multiplier": 4,
        "uuid": "3c73d32e-09a3-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/l2-bfd"
    }
}
```

Modify Object

POST

/axapi/v3/network/l2-bfd

l2-bfd attributes

Replace Object

PUT

/axapi/v3/network/l2-bfd

l2-bfd attributes

```
PUT /axapi/v3/network/l2-bfd
Payload:
{
    "l2-bfd": {
        "ether-type": "88B6"
    }
}
```

Delete Object

DELETE

/axapi/v3/network/l2-bfd

l2-bfd attributes

```
DELETE /axapi/v3/network/l2-bfd
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

l2-bfd attributes

ether-type

Description Ethernet paylaod type for L2BFD packets, help-val 16 bit hex value, default is hex 88B6

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval (default: 4))

Type: number

Range: 3-50

Default: 4

rx-interval

Description Minimum receive interval capability (Milliseconds (default: 800))

Type: number

Range: 48-1000

Default: 800

tx-interval

Description Transmit interval between BFD packets (Milliseconds (default: 800))

Type: number

Range: 48-1000

Default: 800

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.14 network lacp

LACP commands

lacp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lacp
Element URI	/axapi/v3/network/lacp
Element Attributes	lacp_attributes
Partition Visibility	shared
Schema	`lacp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lacp

lacp attributes

```
POST /axapi/v3/network/lacp
Payload:
{
    "lacp": {
        "system-priority": 1
    }
}
```

Get Object

GET

/axapi/v3/network/lacp

lacp attributes

```
GET /axapi/v3/network/lacp
Reponse:
{
    "lacp": {
        "system-priority": 1,
        "uuid": "0132eebe-099c-11f0-b3da-5323f81e20fe",
        "a10-url": "/axapi/v3/network/lacp"
    }
}
```

Modify Object

POST

/axapi/v3/network/lacp

lacp attributes

Replace Object

PUT

/axapi/v3/network/lacp

lacp attributes

```
PUT /axapi/v3/network/lacp
Payload:
{
    "lacp": {
        "system-priority": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/network/lacp

lacp attributes

```
DELETE /axapi/v3/network/lacp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

lacp attributes

system-priority

Description LACP system priority (LACP system priority, 1-65535, default 32768)

Type: number

Range: 1-65535

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.15 network lacp-passthrough

Peer ports to forward received lacp packets

lacp-passthrough Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*peer-from, peer-to*
Collection Name	*lacp-passthrough-list*
Collection URI	/axapi/v3/network/lacp-passthrough
Element Name	lacp-passthrough
Element URI	/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}
Element Attributes	lacp-passthrough_attributes
Partition Visibility	shared
Schema	`lacp-passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lacp-passthrough

lacp-passthrough attributes

```
POST /axapi/v3/network/lacp-passthrough/
Payload:
{
    "lacp-passthrough": {
        "peer-from": 1,
        "peer-to": 2
    }
}
```

Create List

POST

/axapi/v3/network/lacp-passthrough

lacp-passthrough attributes

Get Object

GET

/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}

lacp-passthrough attributes

```
GET /axapi/v3/network/lacp-passthrough/1+2
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "lacp-passthrough": {
        "peer-from": 1,
        "peer-to": 2,
        "uuid": "822ed3b2-09a0-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/lacp-passthrough/1+2"
    }
}
```

Get List

GET

/axapi/v3/network/lacp-passthrough

lacp-passthrough-list

Modify Object

POST

/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}

lacp-passthrough attributes

Replace Object

PUT

/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}

lacp-passthrough attributes

```
PUT /axapi/v3/network/lacp-passthrough/1+2
Payload:
{
    "lacp-passthrough": {
        "peer-from": 1,
        "peer-to": 2
    }
}
```

Replace List

PUT

/axapi/v3/network/lacp-passthrough

lacp-passthrough-list

Delete Object

DELETE

/axapi/v3/network/lacp-passthrough/{peer-from}+{peer-to}

lacp-passthrough attributes

```
DELETE /axapi/v3/network/lacp-passthrough/1+2
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

lacp-passthrough-list

lacp-passthrough-list is **JSON List** of *lacp-passthrough attributes*

lacp-passthrough-list : [

{ *lacp-passthrough attributes* },

{ *lacp-passthrough attributes* },

...

]

lacp-passthrough attributes

peer-from

Description Peer member to forward received LACP packets

Type: number

Format: interface

peer-to

Description Peer member to forward received LACP packets

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.16 network lif-stats

Enables/Disables LIF interface stats generation

lif-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lif-stats
Element URI	/axapi/v3/network/lif-stats
Element Attributes	lif-stats_attributes
Partition Visibility	shared
Schema	`lif-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lif-stats

lif-stats attributes

Get Object

GET

/axapi/v3/network/lif-stats

lif-stats attributes

Modify Object

POST

/axapi/v3/network/lif-stats

lif-stats attributes

Replace Object

PUT

/axapi/v3/network/lif-stats

lif-stats attributes

Delete Object

DELETE

/axapi/v3/network/lif-stats

lif-stats attributes

lif-stats attributes

enable

Description Enable LIF interface stats generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.17 network lldp

Configure LLDP

lldp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lldp
Element URI	/axapi/v3/network/lldp
Element Attributes	lldp_attributes
Partition Visibility	shared
Schema	`lldp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lldp

lldp attributes

```
POST /axapi/v3/network/lldp
Payload:
{
    "lldp": {
        "system-name": "a",
        "management-address": {
            "dns-list": [
                {
                    "dns": "a",
                    "interface": {
```

(continues on next page)

(continued from previous page)

```
                        "ethernet": 1
                    }
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/network/lldp

lldp attributes

```
GET /axapi/v3/network/lldp
Reponse:
{
    "lldp": {
        "system-name": "a",
        "enable-cfg": {
            "enable": 0
        },
        "notification-cfg": {
            "notification": 0
        },
        "tx-set": {
            "fast-count": 4,
            "fast-interval": 1,
            "hold": 4,
            "tx-interval": 30,
            "reinit-delay": 2
        },
        "uuid": "9d6d7886-09a0-11f0-837c-5323f81e20fe",
        "management-address": {
            "dns-list": [
                {
                    "dns": "a",
                    "interface": {
                        "ethernet": 1
                    },
                    "uuid": "9d6ea008-09a0-11f0-837c-5323f81e20fe",
                    "a10-url": "/axapi/v3/network/lldp/management-address/dns/a"
                }
            ],
            "a10-url": "/axapi/v3/network/lldp/management-address"
        },
        "a10-url": "/axapi/v3/network/lldp"
    }
}
```

Modify Object

POST

/axapi/v3/network/lldp

lldp attributes

Replace Object

PUT

/axapi/v3/network/lldp

lldp attributes

```
PUT /axapi/v3/network/lldp
Payload:
{
    "lldp": {
        "system-name": "abcd",
        "management-address": {
            "ipv4-addr-list": [
                {
                    "ipv4": "3.3.3.3",
                    "interface-ipv4": {
                        "ipv4-eth": 2
                    }
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/network/lldp

lldp attributes

```
DELETE /axapi/v3/network/lldp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

lldp attributes

enable-cfg

Description: enable-cfg is a **JSON Block**. Please see below for *enable-cfg*

Type: Object

management-address

Description: management-address is a **JSON Block**. Please see below for *management-address*

Type: Object

Reference Object: */axapi/v3/network/lldp/management-address*

notification-cfg

Description: notification-cfg is a **JSON Block**. Please see below for *notification-cfg*

Type: Object

system-description

Description Configure lldp system description

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

system-name

Description Configure lldp system name

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

tx-set

Description: tx-set is a **JSON Block**. Please see below for *tx-set*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management-address

Specification	Value
Type	*object*

dns-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/dns/{dns}*

ipv4-addr-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}*

ipv6-addr-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}*

management-address_ipv6-addr-list

Specification	Value
Type	*list*
Block object keys	

interface-ipv6

Description: interface-ipv6 is a **JSON Block**. Please see below for *management-address_ipv6-addr-list_interface-ipv6*

Type: Object

ipv6

Description Configure lldp management-address, subtype is ipv6 (lldp management-address ipv6 address)

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management-address_ipv6-addr-list_interface-ipv6

Specification	Value
Type	*object*

ipv6-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv6-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

management-address_ipv4-addr-list

Specification	Value
Type	*list*
Block object keys	

interface-ipv4

Description: interface-ipv4 is a **JSON Block**. Please see below for *management-address_ipv4-addr-list_interface-ipv4*

Type: Object

ipv4

Description Configure lldp management-address, subtype is ipv4 (lldp management-address ipv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management-address_ipv4-addr-list_interface-ipv4

Specification	Value
Type	*object*

ipv4-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv4-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

management-address_dns-list

Specification	Value
Type	*list*
Block object keys	

dns

Description Configure lldp management-address, subtype is dns (lldp management-address dns address)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

interface

Description: interface is a **JSON Block**. Please see below for *management-address_dns-list_interface*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

management-address_dns-list_interface

Specification	Value
Type	*object*

ethernet

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

Mutual Exclusion: ethernet, ve, and management are mutually exclusive

management

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: management, ethernet, and ve are mutually exclusive

ve

Description configure lldp management-address interface management (lldp management-address interface port number)

Type: number

Range: 2-4094

Mutual Exclusion: ve, ethernet, and management are mutually exclusive

notification-cfg

Specification	Value
Type	*object*

interval

Description Configure lldp notification interval, default is 30 (The lldp notification interval value, default is 30)

Type: number

Range: 5-3600

Default: 30

notification

Description Enable lldp notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx-set

Specification	Value
Type	*object*

fast-count

Description Configure lldp tx fast count value (The lldp tx fast count value, default is 4)

Type: number

Range: 1-8

Default: 4

fast-interval

Description Configure lldp tx fast interval value (The lldp tx fast interval value, default is 1)

Type: number

Range: 1-3600

Default: 1

hold

Description Configure lldp tx hold multiplier (The lldp tx hold value, default is 4)

Type: number

Range: 1-10

Default: 4

reinit-delay

Description Configure lldp tx reinit delay (The lldp tx reinit_delay value, default is 2)

Type: number

Range: 1-10

Default: 2

tx-interval

Description Configure lldp tx interval (The lldp tx interval value, default is 30)

Type: number

Range: 1-3600

Default: 30

enable-cfg

Specification	Value
Type	*object*

enable

Description Enable lldp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rx

Description Enable lldp rx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tx

Description Enable lldp tx

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.83.18 network lldp management-address

Configure lldp management address

management-address Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	management-address
Element URI	/axapi/v3/network/lldp/management-address
Element Attributes	management-address_attributes
Partition Visibility	shared
Schema	`management-address schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/lldp/management-address

management-address_attributes

```
GET /axapi/v3/network/lldp/management-address
Reponse:
{
    "management-address": {
        "dns-list": [
            {
                "dns": "a",
                "interface": {
                    "ethernet": 1
                },
                "uuid": "db921f22-09a0-11f0-837c-5323f81e20fe",
                "a10-url": "/axapi/v3/network/lldp/management-address/dns/a"
            }
        ],
        "a10-url": "/axapi/v3/network/lldp/management-address"
    }
}
```

management-address attributes

dns-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/dns/{dns}*

ipv4-addr-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}*

ipv6-addr-list

Type: List

Reference Object: */axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}*

ipv6-addr-list

Specification	Value
Type	*list*
Block object keys	

interface-ipv6

Description: interface-ipv6 is a **JSON Block**. Please see below for *ipv6-addr-list_interface-ipv6*

Type: Object

ipv6

Description Configure lldp management-address, subtype is ipv6 (lldp management-address ipv6 address)

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-addr-list_interface-ipv6

Specification	Value
Type	*object*

ipv6-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv6-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

ipv4-addr-list

Specification	Value
Type	*list*
Block object keys	

interface-ipv4

Description: interface-ipv4 is a **JSON Block**. Please see below for *ipv4-addr-list_interface-ipv4*

Type: Object

ipv4

Description Configure lldp management-address, subtype is ipv4 (lldp management-address ipv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-addr-list_interface-ipv4

Specification	Value
Type	*object*

ipv4-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv4-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

dns-list

Specification	Value
Type	*list*
Block object keys	

dns

Description Configure lldp management-address, subtype is dns (lldp management-address dns address)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

interface

Description: interface is a **JSON Block**. Please see below for *dns-list_interface*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_interface

Specification	Value
Type	*object*

ethernet

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

Mutual Exclusion: ethernet, ve, and management are mutually exclusive

management

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: management, ethernet, and ve are mutually exclusive

ve

Description configure lldp management-address interface management (lldp management-address interface port number)

Type: number

Range: 2-4094

Mutual Exclusion: ve, ethernet, and management are mutually exclusive

2.83.19 network lldp management-address dns

Configure lldp management-address dns address

dns Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*dns*
Collection Name	*dns-list*
Collection URI	/axapi/v3/network/lldp/management-address/dns
Element Name	dns
Element URI	/axapi/v3/network/lldp/management-address/dns/{dns}
Element Attributes	dns_attributes
Partition Visibility	shared
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lldp/management-address/dns

dns attributes

```
POST /axapi/v3/network/lldp/management-address/dns/
Payload:
{
    "dns": {
        "dns": "a",
        "interface": {
            "ethernet": 1
        }
    }
}
```

Create List

POST

/axapi/v3/network/lldp/management-address/dns

dns attributes

Get Object

GET

/axapi/v3/network/lldp/management-address/dns/{dns}

dns attributes

```
GET /axapi/v3/network/lldp/management-address/dns/a
Reponse:
{
    "dns": {
        "dns": "a",
        "interface": {
            "ethernet": 1
        },
        "uuid": "f74c776c-09a0-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/lldp/management-address/dns/a"
    }
}
```

Get List

GET

/axapi/v3/network/lldp/management-address/dns

dns-list

Modify Object

POST

/axapi/v3/network/lldp/management-address/dns/{dns}

dns attributes

Replace Object

PUT

/axapi/v3/network/lldp/management-address/dns/{dns}

dns attributes

```
PUT /axapi/v3/network/lldp/management-address/dns/a
Payload:
{
    "dns": {
        "dns": "a",
        "interface": {
            "ethernet": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/network/lldp/management-address/dns

dns-list

Delete Object

DELETE

/axapi/v3/network/lldp/management-address/dns/{dns}

dns attributes

```
DELETE /axapi/v3/network/lldp/management-address/dns/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns-list

dns-list is **JSON List** of *dns attributes*

dns-list : [

{ *dns attributes* },

{ *dns attributes* },

...

]

dns attributes

dns

Description Configure lldp management-address, subtype is dns (lldp management-address dns address)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	Value
Type	*object*

ethernet

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

Mutual Exclusion: ethernet, ve, and management are mutually exclusive

management

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: management, ethernet, and ve are mutually exclusive

ve

Description configure lldp management-address interface management (lldp management-address interface port number)

Type: number

Range: 2-4094

Mutual Exclusion: ve, ethernet, and management are mutually exclusive

2.83.20 network lldp management-address ipv4-addr

Configure lldp management-address ipv4 address

ipv4-addr Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4*
Collection Name	*ipv4-addr-list*
Collection URI	/axapi/v3/network/lldp/management-address/ipv4-addr
Element Name	ipv4-addr
Element URI	/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}
Element Attributes	ipv4-addr_attributes
Partition Visibility	shared
Schema	`ipv4-addr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lldp/management-address/ipv4-addr

ipv4-addr attributes

```
POST /axapi/v3/network/lldp/management-address/ipv4-addr/
Payload:
{
    "ipv4-addr": {
        "ipv4": "3.3.3.3"
    }
}
```

Create List

POST

/axapi/v3/network/lldp/management-address/ipv4-addr

ipv4-addr attributes

Get Object

GET

/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}

ipv4-addr attributes

```
GET /axapi/v3/network/lldp/management-address/ipv4-addr/3.3.3.3
Reponse:
{
    "ipv4-addr": {
        "ipv4": "3.3.3.3",
        "interface-ipv4": {
            "ipv4-mgmt": 0
        },
        "uuid": "207629bc-09a1-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/lldp/management-address/ipv4-addr/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/network/lldp/management-address/ipv4-addr

ipv4-addr-list

Modify Object

POST

/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}

ipv4-addr attributes

Replace Object

PUT

/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}

ipv4-addr attributes

```
PUT /axapi/v3/network/lldp/management-address/ipv4-addr/3.3.3.3
Payload:
{
    "ipv4-addr": {
        "ipv4": "3.3.3.3"
    }
}
```

Replace List

PUT

/axapi/v3/network/lldp/management-address/ipv4-addr

ipv4-addr-list

Delete Object

DELETE

/axapi/v3/network/lldp/management-address/ipv4-addr/{ipv4}

ipv4-addr attributes

```
DELETE /axapi/v3/network/lldp/management-address/ipv4-addr/3.3.3.3
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4-addr-list

ipv4-addr-list is **JSON List** of *ipv4-addr attributes*

ipv4-addr-list : [

{ *ipv4-addr attributes* },

{ *ipv4-addr attributes* },

...

]

ipv4-addr attributes

interface-ipv4

Description: interface-ipv4 is a **JSON Block**. Please see below for *interface-ipv4*

Type: Object

ipv4

Description Configure lldp management-address, subtype is ipv4 (lldp management-address ipv4 address)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface-ipv4

Specification	Value
Type	*object*

ipv4-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv4-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv4-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

2.83.21 network lldp management-address ipv6-addr

Configure lldp management-address ipv6 address

ipv6-addr Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6*
Collection Name	*ipv6-addr-list*
Collection URI	/axapi/v3/network/lldp/management-address/ipv6-addr
Element Name	ipv6-addr
Element URI	/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}
Element Attributes	ipv6-addr_attributes
Partition Visibility	shared
Schema	`ipv6-addr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/lldp/management-address/ipv6-addr

ipv6-addr attributes

```
POST /axapi/v3/network/lldp/management-address/ipv6-addr/
Payload:
{
    "ipv6-addr": {
        "ipv6": "2003::1",
        "interface-ipv6": {
            "ipv6-eth": 1
        }
    }
}
```

Create List

POST

/axapi/v3/network/lldp/management-address/ipv6-addr

ipv6-addr attributes

Get Object

GET

/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}

ipv6-addr attributes

```
GET /axapi/v3/network/lldp/management-address/ipv6-addr/2003::1
Reponse:
{
    "ipv6-addr": {
        "ipv6": "2003::1",
        "interface-ipv6": {
            "ipv6-eth": 1,
            "ipv6-mgmt": 0
        },
        "uuid": "492eddae-09a1-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/lldp/management-address/ipv6-addr/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/network/lldp/management-address/ipv6-addr

ipv6-addr-list

Modify Object

POST

/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}

ipv6-addr attributes

Replace Object

PUT

/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}

ipv6-addr attributes

```
PUT /axapi/v3/network/lldp/management-address/ipv6-addr/2003::1
Payload:
{
    "ipv6-addr": {
        "ipv6": "2003::1",
        "interface-ipv6": {
            "ipv6-eth": 2
        }
    }
}
```

Replace List

PUT

/axapi/v3/network/lldp/management-address/ipv6-addr

ipv6-addr-list

Delete Object

DELETE

/axapi/v3/network/lldp/management-address/ipv6-addr/{ipv6}

ipv6-addr attributes

```
DELETE /axapi/v3/network/lldp/management-address/ipv6-addr/2003::1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-addr-list

ipv6-addr-list is **JSON List** of *ipv6-addr attributes*

ipv6-addr-list : [

{ *ipv6-addr attributes* },

{ *ipv6-addr attributes* },

...

]

ipv6-addr attributes

interface-ipv6

Description: interface-ipv6 is a **JSON Block**. Please see below for *interface-ipv6*

Type: Object

ipv6

Description Configure lldp management-address, subtype is ipv6 (lldp management-address ipv6 address)

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface-ipv6

Specification	Value
Type	*object*

ipv6-eth

Description configure lldp management-address interface ethernet (lldp management-address interface port number)

Type: number

Format: interface

ipv6-mgmt

Description configure lldp management-address interface management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6-ve

Description configure lldp management-address interface ve (lldp management-address interface port number)

Type: number

Range: 2-4094

2.83.22 network mac-address

Configure a MAC address

mac-address Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	mac-address
Element URI	/axapi/v3/network/mac-address
Element Attributes	mac-address_attributes
Partition Visibility	shared
Schema	`mac-address schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/mac-address

mac-address_attributes

mac-address attributes

dynamic

Description: dynamic is a **JSON Block**. Please see below for *dynamic*

Type: Object

Reference Object: */axapi/v3/network/mac-address/dynamic*

static-list

Type: List

Reference Object: */axapi/v3/network/mac-address/static/{mac}+{vlan}*

dynamic

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-list

Specification	Value
Type	*list*
Block object keys	

dest

Description Trap MAC with this DA to CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac

Description Configure a Static MAC address

Type: string

Format: mac-address

port

Description Ethernet Port on which the Address is applicable (Port Value)

Type: number

Format: interface

redirect-dummy-mac

Description Dummy for redirect use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN Id

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

2.83.23 network mac-address dynamic oper

Operational Status for the object dynamic

dynamic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dynamic
Element URI	/axapi/v3/network/mac-address/dynamic/oper
Element Attributes	dynamic_attributes
Partition Visibility	None
Schema	`dynamic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/mac-address/dynamic/oper

dynamic attributes

Get Object

GET

/axapi/v3/network/mac-address/dynamic/oper

dynamic attributes

Modify Object

POST

/axapi/v3/network/mac-address/dynamic/oper

dynamic attributes

Replace Object

PUT

/axapi/v3/network/mac-address/dynamic/oper

dynamic attributes

Delete Object

DELETE

/axapi/v3/network/mac-address/dynamic/oper

dynamic attributes

dynamic attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Age-time

Description

Type: number

macoper

Type: List

oper_macoper

Specification	Value
Type	*list*
Block object keys	

Age

Description

Type: number

Index

Description

Type: number

MAC-Address

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

Port

Description

Type: number

Type

Description

Type: string

Supported Values: Dynamic, Static

Vlan

Description

Type: number

Range: 1-4094

2.83.24 network mac-address static

Static MAC commands

static Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*mac, vlan*
Collection Name	*static-list*
Collection URI	/axapi/v3/network/mac-address/static
Element Name	static
Element URI	/axapi/v3/network/mac-address/static/{mac}+{vlan}
Element Attributes	static_attributes
Partition Visibility	shared
Schema	`static schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/mac-address/static

static attributes

```
POST /axapi/v3/network/mac-address/static/
Payload:
{
    "static": {
        "mac": "1000.2000.3000",
        "port": 1,
        "vlan": 2,
        "dest": 1
    }
}
```

Create List

POST

/axapi/v3/network/mac-address/static

static attributes

Get Object

GET

/axapi/v3/network/mac-address/static/{mac}+{vlan}

static attributes

```
GET /axapi/v3/network/mac-address/static/1000.2000.3000+2
Reponse:
{
    "static": {
        "mac": "1000.2000.3000",
        "port": 1,
```

(continues on next page)

(continued from previous page)

```
        "vlan": 2,
        "dest": 0,
        "uuid": "8ce8340a-09a1-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/network/mac-address/static/1000.2000.3000+2"
    }
}
```

Get List

GET

/axapi/v3/network/mac-address/static

static-list

Modify Object

POST

/axapi/v3/network/mac-address/static/{mac}+{vlan}

static attributes

Replace Object

PUT

/axapi/v3/network/mac-address/static/{mac}+{vlan}

static attributes

```
PUT /axapi/v3/network/mac-address/static/1000.2000.3000
Payload:
{
    "static": {
        "mac": "1000.2000.3000",
        "port": 1
    }
}
```

Replace List

PUT

/axapi/v3/network/mac-address/static

static-list

Delete Object

DELETE

/axapi/v3/network/mac-address/static/{mac}+{vlan}

static attributes

```
DELETE /axapi/v3/network/mac-address/static/1000.2000.3000+2
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

static-list

static-list is **JSON List** of *static attributes*

static-list : [

{ *static attributes* },

{ *static attributes* },

...

]

static attributes

dest

Description Trap MAC with this DA to CPU

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac

Description Configure a Static MAC address

Type: string

Format: mac-address

port

Description Ethernet Port on which the Address is applicable (Port Value)

Type: number

Format: interface

redirect-dummy-mac

Description Dummy for redirect use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN Id

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

2.83.25 network mac-age-time

Set Aging period for all MAC Interfaces

mac-age-time Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mac-age-time
Element URI	/axapi/v3/network/mac-age-time
Element Attributes	mac-age-time_attributes
Partition Visibility	shared
Schema	`mac-age-time schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/mac-age-time

mac-age-time attributes

```
POST /axapi/v3/network/mac-age-time
Payload:
{
    "mac-age-time": {
        "aging-time": 10
    }
}
```

Get Object

GET

/axapi/v3/network/mac-age-time

mac-age-time attributes

```
GET /axapi/v3/network/mac-age-time
Reponse:
{
    "mac-age-time": {
        "aging-time": 10,
        "uuid": "0132f4f4-099c-11f0-b3da-5323f81e20fe",
        "a10-url": "/axapi/v3/network/mac-age-time"
    }
}
```

Modify Object

POST

/axapi/v3/network/mac-age-time

mac-age-time attributes

Replace Object

PUT

/axapi/v3/network/mac-age-time

mac-age-time attributes

```
PUT /axapi/v3/network/mac-age-time
Payload:
{
    "mac-age-time": {
        "aging-time": 10
    }
}
```

Delete Object

DELETE

/axapi/v3/network/mac-age-time

mac-age-time attributes

```
DELETE /axapi/v3/network/mac-age-time
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mac-age-time attributes

aging-time

Description Set aging period in seconds for all MAC interfaces (default 300 seconds)

Type: number

Range: 10-600

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.26 network spanning-tree

spanning tree protocol config

spanning-tree Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	spanning-tree
Element URI	/axapi/v3/network/spanning-tree
Element Attributes	spanning-tree_attributes
Partition Visibility	shared
Schema	`spanning-tree schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/spanning-tree

spanning-tree_attributes

spanning-tree attributes

mode

Description: mode is a **JSON Block**. Please see below for *mode*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode*

mode

Specification	Value
Type	*object*

info

Description: info is a **JSON Block**. Please see below for *mode_info*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/info*

interface

Description: interface is a **JSON Block**. Please see below for *mode_interface*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/interface*

mstp

Description: mstp is a **JSON Block**. Please see below for *mode_mstp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/mstp*

rstp

Description: rstp is a **JSON Block**. Please see below for *mode_rstp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/rstp*

stp

Description: stp is a **JSON Block**. Please see below for *mode_stp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/stp*

mode_info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mode_interface

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mode_stp

Specification	Value
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

mode_rstp

Specification	Value
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

mode_mstp

Specification	Value
Type	*object*

action

Description Enable spanning tree MSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list

Type: List

Reference Object: */axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}*

priority

Description Set bridge priority

Type: number

Range: 0-61440

Default: 32768

revision-cfg

Description: revision-cfg is a **JSON Block**. Please see below for *mode_mstp_revision-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mode_mstp_revision-cfg

Specification	Value
Type	*object*

name

Description Set MSTP revision name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

revision

Description Set MSTP revision level and name

Type: number

Range: 0-65535

mode_mstp_instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

mode_mstp_instance-list_vlan-list

Specification	Value
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Reference Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Reference Object: */axapi/v3/network/vlan*

2.83.27 network spanning-tree mode

Configure spanning tree mode

mode Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	mode
Element URI	/axapi/v3/network/spanning-tree/mode
Element Attributes	mode_attributes
Partition Visibility	shared
Schema	`mode schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/spanning-tree/mode

mode_attributes

mode attributes

info

Description: info is a **JSON Block**. Please see below for *info*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/info*

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/interface*

mstp

Description: mstp is a **JSON Block**. Please see below for *mstp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/mstp*

rstp

Description: rstp is a **JSON Block**. Please see below for *rstp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/rstp*

stp

Description: stp is a **JSON Block**. Please see below for *stp*

Type: Object

Reference Object: */axapi/v3/network/spanning-tree/mode/stp*

info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interface

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stp

Specification	Value
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

rstp

Specification	Value
Type	*object*

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

mstp

Specification	Value
Type	*object*

action

Description Enable spanning tree MSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list

Type: List

Reference Object: */axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}*

priority

Description Set bridge priority

Type: number

Range: 0-61440

Default: 32768

revision-cfg

Description: revision-cfg is a **JSON Block**. Please see below for *mstp_revision-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mstp_revision-cfg

Specification	Value
Type	*object*

name

Description Set MSTP revision name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

revision

Description Set MSTP revision level and name

Type: number

Range: 0-65535

mstp_instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

mstp_instance-list_vlan-list

Specification	Value
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Reference Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Reference Object: */axapi/v3/network/vlan*

2.83.28 network spanning-tree mode info

Spanning tree mode info

info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	info
Element URI	/axapi/v3/network/spanning-tree/mode/info
Element Attributes	info_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/network/spanning-tree/mode/info/oper
Schema	`info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/info

info attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/info

info attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/info

info attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/info

info attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/info

info attributes

info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.29 network spanning-tree mode info oper

Operational Status for the object info

info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	info
Element URI	/axapi/v3/network/spanning-tree/mode/info/oper
Element Attributes	info_attributes
Partition Visibility	None
Schema	`info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/info/oper

info attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/info/oper

info attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/info/oper

info attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/info/oper

info attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/info/oper

info attributes

info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

instances

Type: List

mode

Description

Type: string

packets_input

Description

Type: number

packets_output

Description

Type: number

oper_instances

Specification	Value
Type	*list*
Block object keys	

age_time

Description

Type: number

blk_state_port

Description

Type: string

blk_state_trunk

Description

Type: string

bridge_ext_priority

Description

Type: number

bridge_fwd_delay

Description

Type: number

bridge_hello_time

Description

Type: number

bridge_id

Description

Type: string

bridge_priority

Description

Type: number

des_root

Description

Type: string

des_root_ext_priority

Description

Type: number

des_root_priority

Description

Type: number

fwd_state_port

Description

Type: string

fwd_state_trunk

Description

Type: string

instance_num

Description

Type: number

int_max_age

Description

Type: number

int_path_cost

Description

Type: number

last_topo_change_port

Description

Type: string

max_age

Description

Type: number

max_hops

Description

Type: number

path_cost

Description

Type: number

regional_root

Description

Type: string

regional_root_ext_priority

Description

Type: number

regional_root_priority

Description

Type: number

root_fwd_delay

Description

Type: number

root_port

Description

Type: string

time_since_topo_change

Description

Type: number

topo_change_count

Description

Type: number

topo_change_port

Description

Type: string

tx_hold_count

Description

Type: number

vlans

Description

Type: string

2.83.30 network spanning-tree mode interface

Spanning tree mode info

interface Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/network/spanning-tree/mode/interface
Element Attributes	interface_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/network/spanning-tree/mode/interface/oper
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/interface

interface attributes

interface attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.31 network spanning-tree mode interface oper

Operational Status for the object interface

interface Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interface
Element URI	/axapi/v3/network/spanning-tree/mode/interface/oper
Element Attributes	interface_attributes
Partition Visibility	None
Schema	`interface schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/interface/oper

interface attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/interface/oper

interface attributes

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/interface/oper

interface attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/interface/oper

interface attributes

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/interface/oper

interface attributes

interface attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ports

Type: List

oper_ports

Specification	Value
Type	*list*
Block object keys	

ad_ex_port_cost

Description

Type: number

adm_edge_port

Description

Type: string

adm_p2p

Description

Type: string

auto_edge_port

Description

Type: string

ba_incon

Description

Type: string

bpdu_guard_err

Description

Type: string

bpdu_guard_port

Description

Type: string

bridge

Description

Type: string

des_ext_cost

Description

Type: number

des_root

Description

Type: string

des_root_ext_priority

Description

Type: number

des_root_priority

Description

Type: number

enabled

Description

Type: string

ex_port_cost

Description

Type: number

instances

Type: List

mode

Description

Type: number

net_port

Description

Type: string

oper_edge_port

Description

Type: string

oper_p2p

Description

Type: string

port_hello_time

Description

Type: number

port_name

Description

Type: string

rcvd_ack

Description

Type: string

rcvd_bpdu

Description

Type: string

rcvd_rstp

Description

Type: string

rcvd_stp

Description

Type: string

rcvd_tcn

Description

Type: string

rest_role

Description

Type: string

rest_tcn

Description

Type: string

rx_bpdu

Description

Type: number

rx_tcn

Description

Type: number

snd_rstp

Description

Type: string

tc_ack

Description

Type: string

trns_blk

Description

Type: number

trns_fwd

Description

Type: number

tx_bpdu

Description

Type: number

tx_tcn

Description

Type: number

oper_ports_instances

Specification	Value
Type	*list*
Block object keys	

ad_in_port_cost

Description

Type: number

des_bridge

Description

Type: string

des_bridge_ext_priority

Description

Type: number

des_bridge_priority

Description

Type: number

des_int_cost

Description

Type: number

des_port

Description

Type: string

des_reg_root

Description

Type: string

des_reg_root_ext_priority

Description

Type: number

des_reg_root_priority

Description

Type: number

disputed

Description

Type: string

in_port_cost

Description

Type: number

instance_num

Description

Type: number

port_id

Description

Type: string

role

Description

Type: string

state

Description

Type: string

2.83.32 network spanning-tree mode mstp

Configure spanning tree protocol MST

mstp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mstp
Element URI	/axapi/v3/network/spanning-tree/mode/mstp
Element Attributes	mstp_attributes
Partition Visibility	shared
Schema	`mstp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

```
POST /axapi/v3/network/spanning-tree/mode/mstp
Payload:
{
    "mstp": {
        "action": 1,
        "instance-list": [
            {
                "instance-start": 1,
                "user-tag": "a",
                "priority": 4096
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

```
GET /axapi/v3/network/spanning-tree/mode/mstp
Reponse:
{
    "mstp": {
        "action": 1,
        "priority": 32768,
```

(continues on next page)

(continued from previous page)

```
        "uuid": "0132fc9c-099c-11f0-b3da-5323f81e20fe",
        "instance-list": [
            {
                "instance-start": 1,
                "priority": 4096,
                "uuid": "18810084-09a5-11f0-837c-5323f81e20fe",
                "user-tag": "a",
                "a10-url": "/axapi/v3/network/spanning-tree/mode/mstp/instance/1"
            }
        ],
        "a10-url": "/axapi/v3/network/spanning-tree/mode/mstp"
    }
}
```

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

```
PUT /axapi/v3/network/spanning-tree/mode/mstp
Payload:
{
    "mstp": {
        "action": 1,
        "instance-list": [
            {
                "instance-start": 1,
                "vlan-list": [
                    {
                        "vlan-start": 2,
                        "vlan-end": 2
                    }
                ]
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/mstp

mstp attributes

```
DELETE /axapi/v3/network/spanning-tree/mode/mstp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mstp attributes

action

Description Enable spanning tree MSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

instance-list

Type: List

Reference Object: */axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}*

priority

Description Set bridge priority

Type: number

Range: 0-61440

Default: 32768

revision-cfg

Description: revision-cfg is a **JSON Block**. Please see below for *revision-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

revision-cfg

Specification	Value
Type	*object*

name

Description Set MSTP revision name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

revision

Description Set MSTP revision level and name

Type: number

Range: 0-65535

instance-list

Specification	Value
Type	*list*
Block object keys	

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

instance-list_vlan-list

Specification	Value
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Reference Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Reference Object: */axapi/v3/network/vlan*

2.83.33 network spanning-tree mode mstp instance

Enable spanning tree instance ID

instance Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*instance-start*
Collection Name	*instance-list*
Collection URI	/axapi/v3/network/spanning-tree/mode/mstp/instance
Element Name	instance
Element URI	/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}
Element Attributes	instance_attributes
Partition Visibility	shared
Schema	`instance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/mstp/instance

instance attributes

```
POST /axapi/v3/network/spanning-tree/mode/mstp/instance/
Payload:
{
    "instance": {
        "instance-start": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/spanning-tree/mode/mstp/instance

instance attributes

Get Object

GET

/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}

instance attributes

```
GET /axapi/v3/network/spanning-tree/mode/mstp/instance/1
Reponse:
{
    "instance": {
        "instance-start": 1,
        "priority": 32768,
        "uuid": "3c594d54-09a5-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/spanning-tree/mode/mstp/instance/1"
    }
}
```

Get List

GET

/axapi/v3/network/spanning-tree/mode/mstp/instance

instance-list

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}

instance attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}

instance attributes

```
PUT /axapi/v3/network/spanning-tree/mode/mstp/instance/1
Payload:
{
    "instance": {
        "instance-start": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/network/spanning-tree/mode/mstp/instance

instance-list

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/mstp/instance/{instance-start}

instance attributes

```
DELETE /axapi/v3/network/spanning-tree/mode/mstp/instance/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

instance-list

instance-list is **JSON List** of *instance attributes*

instance-list : [

{ *instance attributes* },

{ *instance attributes* },

...

]

instance attributes

instance-start

Description Instance ID

Type: number

Range: 1-4094

priority

Description Set instance priority

Type: number

Range: 0-2147483647

Default: 32768

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-list

Type: List

vlan-list

Specification	Value
Type	*list*
Block object keys	

vlan-end

Description

Type: number

Reference Object: */axapi/v3/network/vlan*

vlan-start

Description VLAN ID

Type: number

Reference Object: */axapi/v3/network/vlan*

2.83.34 network spanning-tree mode rstp

Configure spanning tree protocol RSTP

rstp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rstp
Element URI	/axapi/v3/network/spanning-tree/mode/rstp
Element Attributes	rstp_attributes
Partition Visibility	shared
Schema	`rstp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

```
POST /axapi/v3/network/spanning-tree/mode/rstp
Payload:
{
    "rstp": {
        "action": 1
    }
}
```

Get Object

GET

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

```
GET /axapi/v3/network/spanning-tree/mode/rstp
Reponse:
{
    "rstp": {
        "action": 1,
        "priority": 32768,
        "uuid": "0132fbe8-099c-11f0-b3da-5323f81e20fe",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/network/spanning-tree/mode/rstp"
    }
}
```

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

```
PUT /axapi/v3/network/spanning-tree/mode/rstp
Payload:
{
    "rstp": {
        "action": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/rstp

rstp attributes

```
DELETE /axapi/v3/network/spanning-tree/mode/rstp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rstp attributes

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

2.83.35 network spanning-tree mode stp

Configure spanning tree protocol STP

stp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stp
Element URI	/axapi/v3/network/spanning-tree/mode/stp
Element Attributes	stp_attributes
Partition Visibility	shared
Schema	`stp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

```
POST /axapi/v3/network/spanning-tree/mode/stp
Payload:
{
    "stp": {
        "action": 1
    }
}
```

Get Object

GET

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

```
GET /axapi/v3/network/spanning-tree/mode/stp
Reponse:
{
    "stp": {
        "action": 1,
        "priority": 32768,
        "uuid": "0132fb48-099c-11f0-b3da-5323f81e20fe",
        "a10-url": "/axapi/v3/network/spanning-tree/mode/stp"
    }
}
```

Modify Object

POST

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

Replace Object

PUT

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

```
PUT /axapi/v3/network/spanning-tree/mode/stp
Payload:
{
    "stp": {
        "action": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/network/spanning-tree/mode/stp

stp attributes

```
DELETE /axapi/v3/network/spanning-tree/mode/stp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

stp attributes

action

Description enable spanning tree RSTP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priority

Description set bridge priority

Type: number

Range: 0-61440

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-start

Description VLAN ID

Type: number

Range: 2-4094

2.83.36 network trunk

Trunk Settings

trunk Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	trunk
Element URI	/axapi/v3/network/trunk
Element Attributes	trunk_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/network/trunk/stats
Operational Data URI	/axapi/v3/network/trunk/oper
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/trunk

trunk attributes

Get Object

GET

/axapi/v3/network/trunk

trunk attributes

Modify Object

POST

/axapi/v3/network/trunk

trunk attributes

Replace Object

PUT

/axapi/v3/network/trunk

trunk attributes

Delete Object

DELETE

/axapi/v3/network/trunk

trunk attributes

trunk attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.37 network trunk oper

Operational Status for the object trunk

trunk Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	trunk
Element URI	/axapi/v3/network/trunk/oper
Element Attributes	trunk_attributes
Partition Visibility	None
Schema	`trunk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/trunk/oper

trunk attributes

Get Object

GET

/axapi/v3/network/trunk/oper

trunk attributes

Modify Object

POST

/axapi/v3/network/trunk/oper

trunk attributes

Replace Object

PUT

/axapi/v3/network/trunk/oper

trunk attributes

Delete Object

DELETE

/axapi/v3/network/trunk/oper

trunk attributes

trunk attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

trunk

Type: List

oper_trunk

Specification	Value
Type	*list*
Block object keys	

admin_key

Description

Type: number

member_count

Description

Type: number

ports_threshold

Description

Type: number

ports_threshold_block

Description

Type: string

Supported Values: Yes, No

timer

Description

Type: number

timer_running

Description

Type: string

Supported Values: Yes, No

trunk-member-status

Type: List

trunk_id

Description

Type: number

Range: 1-4096

trunk_name

Description

Type: string

trunk_status

Description

Type: string

Supported Values: Up, Down

trunk_type

Description

Type: string

Supported Values: Dynamic (LACP), Static

working_lead

Description

Type: number

oper_trunk_trunk-member-status

Specification	Value
Type	*list*
Block object keys	

cfg_status

Description

Type: string

Supported Values: Enb, Dis

members

Description

Type: number

oper_status

Description

Type: string

Supported Values: Blk, Up, Dn

2.83.38 network trunk-stats

Enables/Disables trunk interface stats generation

trunk-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	trunk-stats
Element URI	/axapi/v3/network/trunk-stats
Element Attributes	trunk-stats_attributes
Partition Visibility	shared
Schema	`trunk-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/trunk-stats

trunk-stats attributes

Get Object

GET

/axapi/v3/network/trunk-stats

trunk-stats attributes

Modify Object

POST

/axapi/v3/network/trunk-stats

trunk-stats attributes

Replace Object

PUT

/axapi/v3/network/trunk-stats

trunk-stats attributes

Delete Object

DELETE

/axapi/v3/network/trunk-stats

trunk-stats attributes

trunk-stats attributes

enable

Description Enable trunk interface stats generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.39 network twamp

Configure twamp

twamp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	twamp
Element URI	/axapi/v3/network/twamp
Element Attributes	twamp_attributes
Partition Visibility	shared
Schema	`twamp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/network/twamp

twamp_attributes

twamp attributes

responder

Description: responder is a **JSON Block**. Please see below for *responder*

Type: Object

Reference Object: */axapi/v3/network/twamp/responder*

responder

Specification	Value
Type	*object*

enable-both-ip-ipv6

Description Enable both IP and IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-both-ip-ipv6, enable-ip, and enable-ipv6 are mutually exclusive

enable-ip

Description Enable IP TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ip, enable-ipv6, and enable-both-ip-ipv6 are mutually exclusive

enable-ipv6

Description Enable IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ipv6, enable-ip, and enable-both-ip-ipv6 are mutually exclusive

ip

Description: ip is a **JSON Block**. Please see below for *responder_ip*

Type: Object

Reference Object: */axapi/v3/network/twamp/responder/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *responder_ipv6*

Type: Object

Reference Object: */axapi/v3/network/twamp/responder/ipv6*

port

Description Port number

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

responder_ip

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Apply a named access list (Access List name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name and acl-id are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

responder_ipv6

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

2.83.40 network twamp responder

Configure TWAMP responder

responder Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	responder
Element URI	/axapi/v3/network/twamp/responder
Element Attributes	responder_attributes
Partition Visibility	shared
Schema	`responder schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/twamp/responder

responder attributes

```
POST /axapi/v3/network/twamp/responder
Payload:
{
    "responder": {
```

(continues on next page)

(continued from previous page)

```
        "ip": {
            "acl-id": 1
        },
        "enable-ip": 1
    }
}
```

Get Object

GET

/axapi/v3/network/twamp/responder

responder attributes

```
GET /axapi/v3/network/twamp/responder
Reponse:
{
    "responder": {
        "enable-ip": 1,
        "uuid": "0132f7ce-099c-11f0-b3da-5323f81e20fe",
        "ip": {
            "acl-id": 1,
            "uuid": "0132f878-099c-11f0-b3da-5323f81e20fe",
            "a10-url": "/axapi/v3/network/twamp/responder/ip"
        },
        "ipv6": {
            "uuid": "0132f922-099c-11f0-b3da-5323f81e20fe",
            "a10-url": "/axapi/v3/network/twamp/responder/ipv6"
        },
        "a10-url": "/axapi/v3/network/twamp/responder"
    }
}
```

Modify Object

POST

/axapi/v3/network/twamp/responder

responder attributes

Replace Object

PUT

/axapi/v3/network/twamp/responder

responder attributes

Delete Object

DELETE

/axapi/v3/network/twamp/responder

responder attributes

responder attributes

enable-both-ip-ipv6

Description Enable both IP and IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-both-ip-ipv6, enable-ip, and enable-ipv6 are mutually exclusive

enable-ip

Description Enable IP TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ip, enable-ipv6, and enable-both-ip-ipv6 are mutually exclusive

enable-ipv6

Description Enable IPv6 TWAMP packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable-ipv6, enable-ip, and enable-both-ip-ipv6 are mutually exclusive

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

Reference Object: */axapi/v3/network/twamp/responder/ip*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/network/twamp/responder/ipv6*

port

Description Port number

Type: number

Range: 1024-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip

Specification	Value
Type	*object*

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Apply a named access list (Access List name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name and acl-id are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

2.83.41 network twamp responder ip

Configure TWAMP responder

ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/network/twamp/responder/ip
Element Attributes	ip_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/network/twamp/responder/ip/stats
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/twamp/responder/ip

ip attributes

```
POST /axapi/v3/network/twamp/responder/ip
Payload:
{
    "ip": {
        "acl-id": 1
    }
}
```

Get Object

GET

/axapi/v3/network/twamp/responder/ip

ip attributes

```
GET /axapi/v3/network/twamp/responder/ip
Reponse:
{
    "ip": {
        "acl-id": 1,
        "uuid": "0132f878-099c-11f0-b3da-5323f81e20fe",
        "a10-url": "/axapi/v3/network/twamp/responder/ip"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/network/twamp/responder/ip

ip attributes

Replace Object

PUT

/axapi/v3/network/twamp/responder/ip

ip attributes

Delete Object

DELETE

/axapi/v3/network/twamp/responder/ip

ip attributes

ip attributes

acl-id

Description ACL id

Type: number

Range: 1-199

Mutual Exclusion: acl-id and acl-name are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Apply a named access list (Access List name)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name and acl-id are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.42 network twamp responder ip stats

Statistics for the object ip

ip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip
Element URI	/axapi/v3/network/twamp/responder/ip/stats
Element Attributes	ip_attributes
Partition Visibility	None
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/twamp/responder/ip/stats

ip attributes

Get Object

GET

/axapi/v3/network/twamp/responder/ip/stats

ip attributes

Modify Object

POST

/axapi/v3/network/twamp/responder/ip/stats

ip attributes

Replace Object

PUT

/axapi/v3/network/twamp/responder/ip/stats

ip attributes

Delete Object

DELETE

/axapi/v3/network/twamp/responder/ip/stats

ip attributes

ip attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

no_route_err

Description Tx IP no route error drop

Type: number

Format: counter

other_err

Description IP other error drop

Type: number

Format: counter

rx_acl_drop

Description Rx IP client-list drop

Type: number

Format: counter

rx_drop_not_enabled_v4

Description Rx IP disabled drop

Type: number

Format: counter

rx_pkts

Description Rx IP TWAMP test packets

Type: number

Format: counter

twamp_hdr_len_err

Description Rx TWAMP hdr length error drop

Type: number

Format: counter

tx_pkts

Description Tx IP TWAMP test packets

Type: number

Format: counter

2.83.43 network twamp responder ipv6

Configure TWAMP responder

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/network/twamp/responder/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/network/twamp/responder/ipv6/stats
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

```
POST /axapi/v3/network/twamp/responder/ipv6
Payload:
{
    "ipv6": {
        "v6-acl-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

```
GET /axapi/v3/network/twamp/responder/ipv6
Reponse:
{
    "ipv6": {
        "v6-acl-name": "a",
        "uuid": "0132f922-099c-11f0-b3da-5323f81e20fe",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/network/twamp/responder/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

Delete Object

DELETE

/axapi/v3/network/twamp/responder/ipv6

ipv6 attributes

ipv6 attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6-acl-name

Description Apply an access list (Named Access List)

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

2.83.44 network twamp responder ipv6 stats

Statistics for the object ipv6

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/network/twamp/responder/ipv6/stats
Element Attributes	ipv6_attributes
Partition Visibility	None
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/twamp/responder/ipv6/stats

ipv6 attributes

Get Object

GET

/axapi/v3/network/twamp/responder/ipv6/stats

ipv6 attributes

Modify Object

POST

/axapi/v3/network/twamp/responder/ipv6/stats

ipv6 attributes

Replace Object

PUT

/axapi/v3/network/twamp/responder/ipv6/stats

ipv6 attributes

Delete Object

DELETE

/axapi/v3/network/twamp/responder/ipv6/stats

ipv6 attributes

ipv6 attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

no_route_err_v6

Description Tx IPv6 no route error drop

Type: number

Format: counter

other_err_v6

Description IPv6 Other error drop

Type: number

Format: counter

rx_acl_drop_v6

Description Rx IPv6 client-list drop

Type: number

Format: counter

rx_drop_not_enabled_v6

Description Rx IPv6 disabled drop

Type: number

Format: counter

rx_pkts_v6

Description Rx IPv6 TWAMP test packets

Type: number

Format: counter

twamp_hdr_len_err_v6

Description Rx IPv6 TWAMP hdr length error drop

Type: number

Format: counter

tx_pkts_v6

Description Tx IPv6 TWAMP test packets

Type: number

Format: counter

2.83.45 network ve-stats

Enables/Disables vlan ve interface stats generation

ve-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ve-stats
Element URI	/axapi/v3/network/ve-stats
Element Attributes	ve-stats_attributes
Partition Visibility	shared
Schema	`ve-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/ve-stats

ve-stats attributes

```
POST /axapi/v3/network/ve-stats
Payload:
{
    "ve-stats": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/network/ve-stats

ve-stats attributes

```
GET /axapi/v3/network/ve-stats
Reponse:
{
    "ve-stats": {
        "enable": 1,
        "uuid": "0132f026-099c-11f0-b3da-5323f81e20fe",
        "a10-url": "/axapi/v3/network/ve-stats"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/network/ve-stats

ve-stats attributes

Replace Object

PUT

/axapi/v3/network/ve-stats

ve-stats attributes

```
PUT /axapi/v3/network/ve-stats
Payload:
{
    "ve-stats": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/network/ve-stats

ve-stats attributes

```
DELETE /axapi/v3/network/ve-stats
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ve-stats attributes

enable

Description Enable vlan ve interface stats generation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.83.46 network virtual-wire

Configure Virtual Wire

virtual-wire Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*virtual-wire-id*
Collection Name	*virtual-wire-list*
Collection URI	/axapi/v3/network/virtual-wire
Element Name	virtual-wire
Element URI	/axapi/v3/network/virtual-wire/{virtual-wire-id}
Element Attributes	virtual-wire_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/network/virtual-wire/{virtual-wire-id}/oper
Schema	`virtual-wire schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire

virtual-wire attributes

```
POST /axapi/v3/network/virtual-wire/
Payload:
{
    "virtual-wire": {
        "virtual-wire-id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/virtual-wire

virtual-wire attributes

Get Object

GET

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

```
GET /axapi/v3/network/virtual-wire/1
Reponse:
{
    "virtual-wire": {
        "virtual-wire-id": 1,
        "uuid": "5d292dc8-09a6-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/virtual-wire/1"
    }
}
```

Get List

GET

/axapi/v3/network/virtual-wire

virtual-wire-list

Modify Object

POST

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

Replace List

PUT

/axapi/v3/network/virtual-wire

virtual-wire-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

virtual-wire-list

virtual-wire-list is **JSON List** of *virtual-wire attributes*

virtual-wire-list : [

{ *virtual-wire attributes* },

{ *virtual-wire attributes* },

...

]

virtual-wire attributes

eth1

Description

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

eth2

Description

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

group1

Description

Type: number

Range: 1-16

Reference Object: */axapi/v3/network/virtual-wire-ethernet-group*

group2

Description

Type: number

Range: 1-16

Reference Object: */axapi/v3/network/virtual-wire-ethernet-group*

trunk1

Description

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

trunk2

Description

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-wire-id

Description virtual wire id

Type: number

Range: 1-32

2.83.47 network virtual-wire-ethernet-group

virtual-wire-ethernet-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*group-id*
Collection Name	*virtual-wire-ethernet-group-list*
Collection URI	/axapi/v3/network/virtual-wire-ethernet-group
Element Name	virtual-wire-ethernet-group
Element URI	/axapi/v3/network/virtual-wire-ethernet-group/{group-id}
Element Attributes	virtual-wire-ethernet-group_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/network/virtual-wire-ethernet-group/{group-id}/oper
Schema	`virtual-wire-ethernet-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-ethernet-group

virtual-wire-ethernet-group attributes

```
POST /axapi/v3/network/virtual-wire-ethernet-group/
Payload:
{
    "virtual-wire-ethernet-group": {
        "group-id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/virtual-wire-ethernet-group

virtual-wire-ethernet-group attributes

Get Object

GET

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

```
GET /axapi/v3/network/virtual-wire-ethernet-group/1
Reponse:
{
    "virtual-wire-ethernet-group": {
        "group-id": 1,
        "uuid": "97a49320-09a6-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/virtual-wire-ethernet-group/1"
    }
}
```

Get List

GET

/axapi/v3/network/virtual-wire-ethernet-group

virtual-wire-ethernet-group-list

Modify Object

POST

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

```
PUT /axapi/v3/network/virtual-wire-ethernet-group/1
Payload:
{
    "virtual-wire-ethernet-group": {
        "group-id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/network/virtual-wire-ethernet-group

virtual-wire-ethernet-group-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

```
DELETE /axapi/v3/network/virtual-wire-ethernet-group/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

virtual-wire-ethernet-group-list

virtual-wire-ethernet-group-list is **JSON List** of *virtual-wire-ethernet-group attributes*

virtual-wire-ethernet-group-list : [

{ *virtual-wire-ethernet-group attributes* },

{ *virtual-wire-ethernet-group attributes* },

...

]

virtual-wire-ethernet-group attributes

eth-list

Type: List

group-id

Description

Type: number

Range: 1-16

trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

eth-list

Specification	Value
Type	*list*
Block object keys	

eth-end

Description

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

eth-start

Description

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

trunk-list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description

Type: number

Reference Object: */axapi/v3/interface/trunk*

trunk-start

Description

Type: number

Reference Object: */axapi/v3/interface/trunk*

2.83.48 network virtual-wire-ethernet-group oper

Operational Status for the object virtual-wire-ethernet-group

virtual-wire-ethernet-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*virtual-wire-ethernet-group-list*
Collection URI	/axapi/v3/network/virtual-wire-ethernet-group/{group-id}
Element Name	virtual-wire-ethernet-group
Element URI	/axapi/v3/network/virtual-wire-ethernet-group/{group-id}/oper
Element Attributes	virtual-wire-ethernet-group_attributes
Partition Visibility	None
Schema	`virtual-wire-ethernet-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

Create List

POST

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group attributes

Get Object

GET

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}/oper

virtual-wire-ethernet-group attributes

Get List

GET

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group-list

Modify Object

POST

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}/oper

virtual-wire-ethernet-group attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}/oper

virtual-wire-ethernet-group attributes

Replace List

PUT

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}

virtual-wire-ethernet-group-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire-ethernet-group/{group-id}/oper

virtual-wire-ethernet-group attributes

virtual-wire-ethernet-group-list

virtual-wire-ethernet-group-list is **JSON List** of *virtual-wire-ethernet-group attributes*

```
virtual-wire-ethernet-group-list : [
        { virtual-wire-ethernet-group attributes },
        { virtual-wire-ethernet-group attributes },
        ...
    ]
```

virtual-wire-ethernet-group attributes

group-id

Description

Type: number

Range: 1-16

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

eth_member_status

Type: List

group_status

Description

Type: string

Supported Values: Up, Down

lead_port

Description

Type: number

trunk_member_status

Type: List

oper_eth_member_status

Specification	Value
Type	*list*
Block object keys	

eth_member_num

Description

Type: number

eth_member_status

Description

Type: string

Supported Values: Up, Down

oper_trunk_member_status

Specification	Value
Type	*list*
Block object keys	

trunk_member_num

Description

Type: number

trunk_member_status

Description

Type: string

Supported Values: Up, Down

2.83.49 network virtual-wire-global

Virtual Wire Global Configuration

virtual-wire-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	virtual-wire-global
Element URI	/axapi/v3/network/virtual-wire-global
Element Attributes	virtual-wire-global_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/network/virtual-wire-global/stats
Operational Data URI	/axapi/v3/network/virtual-wire-global/oper
Schema	`virtual-wire-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

```
POST /axapi/v3/network/virtual-wire-global
Payload:
{
    "virtual-wire-global": {
        "vlan-update-period": 1
    }
}
```

Get Object

GET

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

```
GET /axapi/v3/network/virtual-wire-global
Reponse:
{
    "virtual-wire-global": {
        "vlan-update-period": 1,
        "update-active-vlan": "l3-packet",
        "uuid": "0132f364-099c-11f0-b3da-5323f81e20fe",
        "a10-url": "/axapi/v3/network/virtual-wire-global"
    }
}
```

Modify Object

POST

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

```
PUT /axapi/v3/network/virtual-wire-global
Payload:
{
    "virtual-wire-global": {
        "vlan-update-period": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/network/virtual-wire-global

virtual-wire-global attributes

```
DELETE /axapi/v3/network/virtual-wire-global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

virtual-wire-global attributes

sampling-enable

Type: List

src-mac-learning

Description Update source mac information for all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

update-active-vlan

Description 'all': all; 'l3-packet': l3-packet(default);

Type: string

Supported Values: all, l3-packet

Default: l3-packet

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-update-period

Description Update period in second (default is 30)

Type: number

Range: 1-255

Default: 30

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'vlan-update': VLAN update; 'mac-update': MAC update;

Type: string

Supported Values: all, vlan-update, mac-update, vlan-pair-update, hc-pkt-drop

2.83.50 network virtual-wire-global oper

Operational Status for the object virtual-wire-global

virtual-wire-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	virtual-wire-global
Element URI	/axapi/v3/network/virtual-wire-global/oper
Element Attributes	virtual-wire-global_attributes
Partition Visibility	None
Schema	`virtual-wire-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-global/oper

virtual-wire-global attributes

Get Object

GET

/axapi/v3/network/virtual-wire-global/oper

virtual-wire-global attributes

Modify Object

POST

/axapi/v3/network/virtual-wire-global/oper

virtual-wire-global attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-global/oper

virtual-wire-global attributes

Delete Object

DELETE

/axapi/v3/network/virtual-wire-global/oper

virtual-wire-global attributes

virtual-wire-global attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

vlan_group

Type: List

vlan_set

Type: List

oper_vlan_group

Specification	Value
Type	*list*
Block object keys	

active_member

Description

Type: number

group_id

Description

Type: number

oper_vlan_set

Specification	Value
Type	*list*
Block object keys	

active_pair

Description

Type: number

set_id

Description

Type: number

2.83.51 network virtual-wire-global stats

Statistics for the object virtual-wire-global

virtual-wire-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	virtual-wire-global
Element URI	/axapi/v3/network/virtual-wire-global/stats
Element Attributes	virtual-wire-global_attributes
Partition Visibility	None
Schema	`virtual-wire-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-global/stats

virtual-wire-global attributes

Get Object

GET

/axapi/v3/network/virtual-wire-global/stats

virtual-wire-global attributes

Modify Object

POST

/axapi/v3/network/virtual-wire-global/stats

virtual-wire-global attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-global/stats

virtual-wire-global attributes

Delete Object

DELETE

/axapi/v3/network/virtual-wire-global/stats

virtual-wire-global attributes

virtual-wire-global attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hc-pkt-drop

Description Packet drop due to health check

Type: number

Format: counter

mac-update

Description MAC update

Type: number

Format: counter

vlan-pair-update

Description VLAN pair update

Type: number

Format: counter

vlan-update

Description VLAN update

Type: number

Format: counter

2.83.52 network virtual-wire-health-check

Virtual Wire Health Check Configuration

virtual-wire-health-check Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*vlan*
Collection Name	*virtual-wire-health-check-list*
Collection URI	/axapi/v3/network/virtual-wire-health-check
Element Name	virtual-wire-health-check
Element URI	/axapi/v3/network/virtual-wire-health-check/{vlan}
Element Attributes	virtual-wire-health-check_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/network/virtual-wire-health-check/{vlan}/stats
Operational Data URI	/axapi/v3/network/virtual-wire-health-check/{vlan}/oper
Schema	`virtual-wire-health-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-health-check

virtual-wire-health-check attributes

```
POST /axapi/v3/network/virtual-wire-health-check/
Payload:
{
    "virtual-wire-health-check": {
        "vlan": 1,
        "method": "ping",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/virtual-wire-health-check

virtual-wire-health-check attributes

Get Object

GET

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check attributes

```
GET /axapi/v3/network/virtual-wire-health-check/1
Reponse:
{
    "virtual-wire-health-check": {
        "vlan": 1,
        "method": "ping",
        "l3-packet": 0,
        "partition-health-check": 0,
        "enable": 0,
        "uuid": "e37feb78-09a6-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/virtual-wire-health-check/1"
    }
}
```

Get List

GET

/axapi/v3/network/virtual-wire-health-check

virtual-wire-health-check-list

Modify Object

POST

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check attributes

```
PUT /axapi/v3/network/virtual-wire-health-check/1
Payload:
{
    "virtual-wire-health-check": {
        "vlan": 1,
        "method": "ping",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/network/virtual-wire-health-check

virtual-wire-health-check-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check attributes

```
DELETE /axapi/v3/network/virtual-wire-health-check/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

virtual-wire-health-check-list

virtual-wire-health-check-list is **JSON List** of *virtual-wire-health-check attributes*

virtual-wire-health-check-list : [

{ *virtual-wire-health-check attributes* },

{ *virtual-wire-health-check attributes* },

...

]

virtual-wire-health-check attributes

active-threshold

Description Threshold(Packet Per Second) for entering active mode

Type: number

Range: 1-1048575

enable

Description Enable the health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface

Type: number

Format: interface

garp-interval

Description Interval (Seconds), default is 3, 0 for interface event only

Type: number

Range: 0-180

inner-vlan

Description inner VLAN for 802.1QinQ

Type: number

Range: 2-4094

inner-vlan-packet-count

Description Only count packets with configured inner VLAN ID

Type: number

Range: 2-4094

interval

Description Interval (Seconds), default is 3

Type: number

Range: 1-180

l3-packet

Description Only count L3 packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

method

Description 'ping': Ping; 'garp': GARP; 'packet-count': Packet Count;

Type: string

Supported Values: ping, garp, packet-count

nexthop-ip

Description Nexthop address

Type: string

Format: ipv4-address

nexthop-mac

Description Nexthop mac address

Type: string

Format: mac-address

partition-health-check

Description Health check state stands for the partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

sby-ethernet

Description Ethernet interface

Type: number

Format: interface

sby-trunk

Description Trunk interface

Type: number

Range: 1-4096

source-ip

Description source ip for ping method

Type: string

Format: ipv4-address

source-mac

Description source mac for ping method

Type: string

Format: mac-address

trunk

Description Trunk interface

Type: number

Range: 1-4096

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description VLAN ID, specify 1 for untagged traffic

Type: number

Range: 1-4094

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'act-event': Active Event Count; 'sby-event': Standby Event Count; 'packet-count': Packet Count;

Type: string

Supported Values: all, act-event, sby-event, packet-count

2.83.53 network virtual-wire-health-check oper

Operational Status for the object virtual-wire-health-check

virtual-wire-health-check Specification

Parameter	Value
Type	*Collection*
Collection Name	*virtual-wire-health-check-list*
Collection URI	/axapi/v3/network/virtual-wire-health-check/{vlan}
Element Name	virtual-wire-health-check
Element URI	/axapi/v3/network/virtual-wire-health-check/{vlan}/oper
Element Attributes	virtual-wire-health-check_attributes
Partition Visibility	None
Schema	`virtual-wire-health-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check attributes

Create List

POST

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check attributes

Get Object

GET

/axapi/v3/network/virtual-wire-health-check/{vlan}/oper

virtual-wire-health-check attributes

Get List

GET

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check-list

Modify Object

POST

/axapi/v3/network/virtual-wire-health-check/{vlan}/oper

virtual-wire-health-check attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-health-check/{vlan}/oper

virtual-wire-health-check attributes

Replace List

PUT

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire-health-check/{vlan}/oper

virtual-wire-health-check attributes

virtual-wire-health-check-list

virtual-wire-health-check-list is **JSON List** of *virtual-wire-health-check attributes*

```
virtual-wire-health-check-list : [
        { virtual-wire-health-check attributes },
        { virtual-wire-health-check attributes },
        ...
    ]
```

virtual-wire-health-check attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

vlan

Description VLAN ID, specify 1 for untagged traffic

Type: number

Range: 1-4094

oper

Specification	Value
Type	*object*

entry-state

Description

Type: string

vlan-state

Description

Type: string

2.83.54 network virtual-wire-health-check stats

Statistics for the object virtual-wire-health-check

virtual-wire-health-check Specification

Parameter	Value
Type	*Collection*
Collection Name	*virtual-wire-health-check-list*
Collection URI	/axapi/v3/network/virtual-wire-health-check/{vlan}
Element Name	virtual-wire-health-check
Element URI	/axapi/v3/network/virtual-wire-health-check/{vlan}/stats
Element Attributes	virtual-wire-health-check_attributes
Partition Visibility	None
Schema	`virtual-wire-health-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check attributes

Create List

POST

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check attributes

Get Object

GET

/axapi/v3/network/virtual-wire-health-check/{vlan}/stats

virtual-wire-health-check attributes

Get List

GET

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check-list

Modify Object

POST

/axapi/v3/network/virtual-wire-health-check/{vlan}/stats

virtual-wire-health-check attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-health-check/{vlan}/stats

virtual-wire-health-check attributes

Replace List

PUT

/axapi/v3/network/virtual-wire-health-check/{vlan}

virtual-wire-health-check-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire-health-check/{vlan}/stats

virtual-wire-health-check attributes

virtual-wire-health-check-list

virtual-wire-health-check-list is **JSON List** of *virtual-wire-health-check attributes*

virtual-wire-health-check-list : [

{ *virtual-wire-health-check attributes* },

{ *virtual-wire-health-check attributes* },

...

]

virtual-wire-health-check attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

vlan

Description VLAN ID, specify 1 for untagged traffic

Type: number

Range: 1-4094

stats

Specification	Value
Type	*object*

act-event

Description Active Event Count

Type: number

Format: counter

packet-count

Description Packet Count

Type: number

Format: counter

sby-event

Description Standby Event Count

Type: number

Format: counter

2.83.55 network virtual-wire oper

Operational Status for the object virtual-wire

virtual-wire Specification

Parameter	Value
Type	*Collection*
Collection Name	*virtual-wire-list*
Collection URI	/axapi/v3/network/virtual-wire/{virtual-wire-id}
Element Name	virtual-wire
Element URI	/axapi/v3/network/virtual-wire/{virtual-wire-id}/oper
Element Attributes	virtual-wire_attributes
Partition Visibility	None
Schema	`virtual-wire schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

Create List

POST

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire attributes

Get Object

GET

/axapi/v3/network/virtual-wire/{virtual-wire-id}/oper

virtual-wire attributes

Get List

GET

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire-list

Modify Object

POST

/axapi/v3/network/virtual-wire/{virtual-wire-id}/oper

virtual-wire attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire/{virtual-wire-id}/oper

virtual-wire attributes

Replace List

PUT

/axapi/v3/network/virtual-wire/{virtual-wire-id}

virtual-wire-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire/{virtual-wire-id}/oper

virtual-wire attributes

virtual-wire-list

virtual-wire-list is **JSON List** of *virtual-wire attributes*

virtual-wire-list : [

{ *virtual-wire attributes* },

{ *virtual-wire attributes* },

...

]

virtual-wire attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

virtual-wire-id

Description virtual wire id

Type: number

Range: 1-32

oper

Specification	Value
Type	*object*

endpoints

Type: List

virtual_wire_status

Description

Type: string

Supported Values: Up, Down

oper_endpoints

Specification	Value
Type	*list*
Block object keys	

drop_packet

Description

Type: number

endpoint_intf

Description

Type: number

endpoint_type

Description

Type: string

Supported Values: ethernet, trunk, virtual-wire-ethernet-group

input_byte

Description

Type: number

input_packet

Description

Type: number

output_byte

Description

Type: number

output_packet

Description

Type: number

2.83.56 network virtual-wire-vlan-pair

Virtual Wire VLAN Pair Configuration

virtual-wire-vlan-pair Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*pair-id*
Collection Name	*virtual-wire-vlan-pair-list*
Collection URI	/axapi/v3/network/virtual-wire-vlan-pair
Element Name	virtual-wire-vlan-pair
Element URI	/axapi/v3/network/virtual-wire-vlan-pair/{pair-id}
Element Attributes	virtual-wire-vlan-pair_attributes
Partition Visibility	shared
Schema	`virtual-wire-vlan-pair schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-vlan-pair

virtual-wire-vlan-pair attributes

```
POST /axapi/v3/network/virtual-wire-vlan-pair/
Payload:
{
    "virtual-wire-vlan-pair": {
        "pair-id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/virtual-wire-vlan-pair

virtual-wire-vlan-pair attributes

Get Object

GET

/axapi/v3/network/virtual-wire-vlan-pair/{pair-id}

virtual-wire-vlan-pair attributes

```
GET /axapi/v3/network/virtual-wire-vlan-pair/1
Reponse:
{
    "virtual-wire-vlan-pair": {
        "pair-id": 1,
        "uuid": "471f4138-09a7-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/virtual-wire-vlan-pair/1"
    }
}
```

Get List

GET

/axapi/v3/network/virtual-wire-vlan-pair

virtual-wire-vlan-pair-list

Modify Object

POST

/axapi/v3/network/virtual-wire-vlan-pair/{pair-id}

virtual-wire-vlan-pair attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-vlan-pair/{pair-id}

virtual-wire-vlan-pair attributes

```
PUT /axapi/v3/network/virtual-wire-vlan-pair/1
Payload:
{
    "virtual-wire-vlan-pair": {
        "pair-id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/network/virtual-wire-vlan-pair

virtual-wire-vlan-pair-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire-vlan-pair/{pair-id}

virtual-wire-vlan-pair attributes

```
DELETE /axapi/v3/network/virtual-wire-vlan-pair/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

virtual-wire-vlan-pair-list

virtual-wire-vlan-pair-list is **JSON List** of *virtual-wire-vlan-pair attributes*

virtual-wire-vlan-pair-list : [

{ *virtual-wire-vlan-pair attributes* },

{ *virtual-wire-vlan-pair attributes* },

...

]

virtual-wire-vlan-pair attributes

pair-id

Description virtual wire vlan pair id

Type: number

Range: 1-16

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan1

Description first vlan in the pair

Type: number

Range: 2-4094

vlan2

Description second vlan in the pair

Type: number

Range: 2-4094

2.83.57 network virtual-wire-vlan-pair-set

Virtual Wire VLAN Pair Set Configuration

virtual-wire-vlan-pair-set Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*set-id*
Collection Name	*virtual-wire-vlan-pair-set-list*
Collection URI	/axapi/v3/network/virtual-wire-vlan-pair-set
Element Name	virtual-wire-vlan-pair-set
Element URI	/axapi/v3/network/virtual-wire-vlan-pair-set/{set-id}
Element Attributes	virtual-wire-vlan-pair-set_attributes
Partition Visibility	shared
Schema	`virtual-wire-vlan-pair-set schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/virtual-wire-vlan-pair-set

virtual-wire-vlan-pair-set attributes

```
POST /axapi/v3/network/virtual-wire-vlan-pair-set/
Payload:
{
    "virtual-wire-vlan-pair-set": {
        "set-id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/virtual-wire-vlan-pair-set

virtual-wire-vlan-pair-set attributes

Get Object

GET

/axapi/v3/network/virtual-wire-vlan-pair-set/{set-id}

virtual-wire-vlan-pair-set attributes

```
GET /axapi/v3/network/virtual-wire-vlan-pair-set/1
Reponse:
{
    "virtual-wire-vlan-pair-set": {
        "set-id": 1,
        "uuid": "66824a8e-09a7-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/virtual-wire-vlan-pair-set/1"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get List

GET

/axapi/v3/network/virtual-wire-vlan-pair-set

virtual-wire-vlan-pair-set-list

Modify Object

POST

/axapi/v3/network/virtual-wire-vlan-pair-set/{set-id}

virtual-wire-vlan-pair-set attributes

Replace Object

PUT

/axapi/v3/network/virtual-wire-vlan-pair-set/{set-id}

virtual-wire-vlan-pair-set attributes

```
PUT /axapi/v3/network/virtual-wire-vlan-pair-set/1
Payload:
{
    "virtual-wire-vlan-pair-set": {
        "set-id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/network/virtual-wire-vlan-pair-set

virtual-wire-vlan-pair-set-list

Delete Object

DELETE

/axapi/v3/network/virtual-wire-vlan-pair-set/{set-id}

virtual-wire-vlan-pair-set attributes

```
DELETE /axapi/v3/network/virtual-wire-vlan-pair-set/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

virtual-wire-vlan-pair-set-list

virtual-wire-vlan-pair-set-list is **JSON List** of *virtual-wire-vlan-pair-set attributes*

virtual-wire-vlan-pair-set-list : [

{ *virtual-wire-vlan-pair-set attributes* },

{ *virtual-wire-vlan-pair-set attributes* },

...

]

virtual-wire-vlan-pair-set attributes

set-cfg

Type: List

set-id

Description virtual wire vlan set id

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

set-cfg

Specification	Value
Type	*list*
Block object keys	

virtual-wire-vlan-pair

Description virtual wire vlan pair id

Type: number

Range: 1-16

Reference Object: */axapi/v3/network/virtual-wire-vlan-pair*

2.83.58 network vlan

Configure VLAN

vlan Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*vlan-num*
Collection Name	*vlan-list*
Collection URI	/axapi/v3/network/vlan
Element Name	vlan
Element URI	/axapi/v3/network/vlan/{vlan-num}
Element Attributes	vlan_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/network/vlan/{vlan-num}/stats
Operational Data URI	/axapi/v3/network/vlan/{vlan-num}/oper
Schema	`vlan schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan

vlan attributes

```
POST /axapi/v3/network/vlan/
Payload:
{
    "vlan": {
        "vlan-num": 2,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/vlan

vlan attributes

Get Object

GET

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

```
GET /axapi/v3/network/vlan/2
Reponse:
{
    "vlan": {
        "vlan-num": 2,
        "shared-vlan": 0,
        "uuid": "869a5a82-09a7-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/network/vlan/2"
    }
}
```

Get List

GET

/axapi/v3/network/vlan

vlan-list

Modify Object

POST

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

Replace Object

PUT

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

```
PUT /axapi/v3/network/vlan/2
Payload:
{
    "vlan": {
        "vlan-num": 2,
        "user-tag": "abc"
    }
}
```

Replace List

PUT

/axapi/v3/network/vlan

vlan-list

Delete Object

DELETE

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

```
DELETE /axapi/v3/network/vlan/2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

vlan-list

vlan-list is **JSON List** of *vlan attributes*

vlan-list : [

{ *vlan attributes* },

{ *vlan attributes* },

...

]

vlan attributes

name

Description VLAN name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

shared-vlan

Description Configure VLAN as a shared VLAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tagged-eth-list

Type: List

tagged-trunk-list

Type: List

traffic-distribution-mode

Description 'sip': sip; 'dip': dip; 'primary': primary; 'blade': blade; 'l4-src-port': l4-src-port; 'l4-dst-port': l4-dst-port;

Type: string

Supported Values: sip, dip, l3-lookup, primary, blade, l4-src-port, l4-dst-port

untagged-eth-list

Type: List

untagged-lif

Description Logical tunnel interface (Logical tunnel interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

untagged-trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description ve number

Type: number

Range: 2-4094

vlan-num

Description VLAN number

Type: number

Range: 2-4094

untagged-trunk-list

Specification	Value
Type	*list*
Block object keys	

untagged-trunk-end

Description Trunk Group

Type: number

untagged-trunk-start

Description Trunk groups

Type: number

untagged-eth-list

Specification	Value
Type	*list*
Block object keys	

untagged-ethernet-end

Description Ethernet port

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

untagged-ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

tagged-eth-list

Specification	Value
Type	*list*
Block object keys	

tagged-ethernet-end

Description Ethernet port

Type: number

Format: interface

tagged-ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'broadcast_count': Broadcast counter; 'multicast_count': Multicast counter; 'ip_multicast_count': IP Multicast counter; 'unknown_unicast_count': Unknown Unicast counter; 'mac_movement_count': Mac Movement counter; 'shared_vlan_partition_switched_counter': SVLAN Partition switched counter;

Type: string

Supported Values: all, broadcast_count, multicast_count, ip_multicast_count, unknown_unicast_count, mac_movement_count, shared_vlan_partition_switched_counter

tagged-trunk-list

Specification	Value
Type	*list*
Block object keys	

tagged-trunk-end

Description Trunk Group

Type: number

tagged-trunk-start

Description Trunk groups

Type: number

2.83.59 network vlan-global

Configure global options for vlan

vlan-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	vlan-global
Element URI	/axapi/v3/network/vlan-global
Element Attributes	vlan-global_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/network/vlan-global/stats
Operational Data URI	/axapi/v3/network/vlan-global/oper
Schema	`vlan-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan-global

vlan-global attributes

```
POST /axapi/v3/network/vlan-global
Payload:
{
    "vlan-global": {
        "enable-def-vlan-l2-forwarding": 1
    }
}
```

Get Object

GET

/axapi/v3/network/vlan-global

vlan-global attributes

```
GET /axapi/v3/network/vlan-global
Reponse:
{
    "vlan-global": {
        "enable-def-vlan-l2-forwarding": 1,
        "l3-vlan-fwd-disable": 0,
        "l2-fwd-for-me-arp-ns": 0,
```

(continues on next page)

(continued from previous page)

```
        "uuid": "0132ef86-099c-11f0-b3da-5323f81e20fe",
        "a10-url": "/axapi/v3/network/vlan-global"
    }
}
```

Modify Object

POST

/axapi/v3/network/vlan-global

vlan-global attributes

Replace Object

PUT

/axapi/v3/network/vlan-global

vlan-global attributes

```
PUT /axapi/v3/network/vlan-global
Payload:
{
    "vlan-global": {
        "enable-def-vlan-l2-forwarding": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/network/vlan-global

vlan-global attributes

```
DELETE /axapi/v3/network/vlan-global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

vlan-global attributes

enable-def-vlan-l2-forwarding

Description Enable layer 2 forwarding on default vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2-fwd-for-me-arp-ns

Description Enable L2 forwarding for both ARP and NS packet with target IP/IPv6 addresses that are owned by the device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3-vlan-fwd-disable

Description Disable L3 forwarding between VLANs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'xparent_vlan_list_err': Transparent Mode VLAN List Errors;

Type: string

Supported Values: all, xparent_vlan_list_err, asymmetric_route_drop_err

2.83.60 network vlan-global oper

Operational Status for the object vlan-global

vlan-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	vlan-global
Element URI	/axapi/v3/network/vlan-global/oper
Element Attributes	vlan-global_attributes
Partition Visibility	None
Schema	`vlan-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan-global/oper

vlan-global attributes

Get Object

GET

/axapi/v3/network/vlan-global/oper

vlan-global attributes

Modify Object

POST

/axapi/v3/network/vlan-global/oper

vlan-global attributes

Replace Object

PUT

/axapi/v3/network/vlan-global/oper

vlan-global attributes

Delete Object

DELETE

/axapi/v3/network/vlan-global/oper

vlan-global attributes

vlan-global attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

vlan-trans-list

Description: vlan-trans-list is a **JSON Block**. Please see below for *oper_vlan-trans-list*

Type: Object

oper_vlan-trans-list

Specification	Value
Type	*object*

vlan

Description VLAN id

Type: number

Range: 2-4094

2.83.61 network vlan-global stats

Statistics for the object vlan-global

vlan-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	vlan-global
Element URI	/axapi/v3/network/vlan-global/stats
Element Attributes	vlan-global_attributes
Partition Visibility	None
Schema	`vlan-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan-global/stats

vlan-global attributes

Get Object

GET

/axapi/v3/network/vlan-global/stats

vlan-global attributes

Modify Object

POST

/axapi/v3/network/vlan-global/stats

vlan-global attributes

Replace Object

PUT

/axapi/v3/network/vlan-global/stats

vlan-global attributes

Delete Object

DELETE

/axapi/v3/network/vlan-global/stats

vlan-global attributes

vlan-global attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

asymmetric_route_drop_err

Description

Type: number

Format: counter

xparent_vlan_list_err

Description Transparent Mode VLAN List Errors

Type: number

Format: counter

2.83.62 network vlan-group

Configure group of VLANs

vlan-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*vlan-num-start, vlan-num-end*
Collection Name	*vlan-group-list*
Collection URI	/axapi/v3/network/vlan-group
Element Name	vlan-group
Element URI	/axapi/v3/network/vlan-group/{vlan-num-start}+{vlan-num-end}
Element Attributes	vlan-group_attributes
Partition Visibility	shared
Schema	`vlan-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan-group

vlan-group attributes

```
POST /axapi/v3/network/vlan-group/
Payload:
{
    "vlan-group": {
        "vlan-num-end": 2,
        "vlan-num-start": 2,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/network/vlan-group

vlan-group attributes

Get Object

GET

/axapi/v3/network/vlan-group/{vlan-num-start}+{vlan-num-end}

vlan-group attributes

Get List

GET

/axapi/v3/network/vlan-group

vlan-group-list

Modify Object

POST

/axapi/v3/network/vlan-group/{vlan-num-start}+{vlan-num-end}

vlan-group attributes

Replace Object

PUT

/axapi/v3/network/vlan-group/{vlan-num-start}+{vlan-num-end}

vlan-group attributes

Replace List

PUT

/axapi/v3/network/vlan-group

vlan-group-list

Delete Object

DELETE

/axapi/v3/network/vlan-group/{vlan-num-start}+{vlan-num-end}

vlan-group attributes

vlan-group-list

vlan-group-list is **JSON List** of *vlan-group attributes*

```
vlan-group-list : [
        { vlan-group attributes },
        { vlan-group attributes },
        ...
    ]
```

vlan-group attributes

eth-list

Type: List

trunk-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-num-end

Description End of VLAN range

Type: number

Range: 2-4094

vlan-num-start

Description Start of VLAN range

Type: number

Range: 2-4094

eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port (Interface number)

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

trunk-list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description

Type: number

Reference Object: */axapi/v3/interface/trunk*

trunk-start

Description

Type: number

Reference Object: */axapi/v3/interface/trunk*

2.83.63 network vlan oper

Operational Status for the object vlan

vlan Specification

Parameter	Value
Type	*Collection*
Collection Name	*vlan-list*
Collection URI	/axapi/v3/network/vlan/{vlan-num}
Element Name	vlan
Element URI	/axapi/v3/network/vlan/{vlan-num}/oper
Element Attributes	vlan_attributes
Partition Visibility	None
Schema	`vlan schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

Create List

POST

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

Get Object

GET

/axapi/v3/network/vlan/{vlan-num}/oper

vlan attributes

Get List

GET

/axapi/v3/network/vlan/{vlan-num}

vlan-list

Modify Object

POST

/axapi/v3/network/vlan/{vlan-num}/oper

vlan attributes

Replace Object

PUT

/axapi/v3/network/vlan/{vlan-num}/oper

vlan attributes

Replace List

PUT

/axapi/v3/network/vlan/{vlan-num}

vlan-list

Delete Object

DELETE

/axapi/v3/network/vlan/{vlan-num}/oper

vlan attributes

vlan-list

vlan-list is **JSON List** of *vlan attributes*

```
vlan-list : [
        { vlan attributes },
        { vlan attributes },
        ...
    ]
```

vlan attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

vlan-num

Description VLAN number

Type: number

Range: 2-4094

oper

Specification	Value
Type	*object*

is_shared_vlan

Description

Type: string

span-tree

Description

Type: string

tagg_eth_ports

Description: tagg_eth_ports is a **JSON Block**. Please see below for *oper_tagg_eth_ports*

Type: Object

tagg_logical_ports

Description: tagg_logical_ports is a **JSON Block**. Please see below for *oper_tagg_logical_ports*

Type: Object

un_tagg_eth_ports

Description: un_tagg_eth_ports is a **JSON Block**. Please see below for *oper_un_tagg_eth_ports*

Type: Object

un_tagg_logical_ports

Description: un_tagg_logical_ports is a **JSON Block**. Please see below for *oper_un_tagg_logical_ports*

Type: Object

ve_num

Description

Type: number

vlan_name

Description

Type: string

oper_tagg_eth_ports

Specification	Value
Type	*object*

ports

Description

Type: number

oper_un_tagg_logical_ports

Specification	Value
Type	*object*

ports

Description

Type: number

oper_tagg_logical_ports

Specification	Value
Type	*object*

ports

Description

Type: number

oper_un_tagg_eth_ports

Specification	Value
Type	*object*

ports

Description

Type: number

2.83.64 network vlan stats

Statistics for the object vlan

vlan Specification

Parameter	Value
Type	*Collection*
Collection Name	*vlan-list*
Collection URI	/axapi/v3/network/vlan/{vlan-num}
Element Name	vlan
Element URI	/axapi/v3/network/vlan/{vlan-num}/stats
Element Attributes	vlan_attributes
Partition Visibility	None
Schema	`vlan schema`

Operations Allowed:

Create Object

POST

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

Create List

POST

/axapi/v3/network/vlan/{vlan-num}

vlan attributes

Get Object

GET

/axapi/v3/network/vlan/{vlan-num}/stats

vlan attributes

Get List

GET

/axapi/v3/network/vlan/{vlan-num}

vlan-list

Modify Object

POST

/axapi/v3/network/vlan/{vlan-num}/stats

vlan attributes

Replace Object

PUT

/axapi/v3/network/vlan/{vlan-num}/stats

vlan attributes

Replace List

PUT

/axapi/v3/network/vlan/{vlan-num}

vlan-list

Delete Object

DELETE

/axapi/v3/network/vlan/{vlan-num}/stats

vlan attributes

vlan-list

vlan-list is **JSON List** of *vlan attributes*

vlan-list : [

{ *vlan attributes* },

{ *vlan attributes* },

...

]

vlan attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

vlan-num

Description VLAN number

Type: number

Range: 2-4094

stats

Specification	Value
Type	*object*

broadcast_count

Description Broadcast counter

Type: number

Format: counter

ip_multicast_count

Description IP Multicast counter

Type: number

Format: counter

mac_movement_count

Description Mac Movement counter

Type: number

Format: counter

multicast_count

Description Multicast counter

Type: number

Format: counter

shared_vlan_partition_switched_counter

Description SVLAN Partition switched counter

Type: number

Format: counter

unknown_unicast_count

Description Unknown Unicast counter

Type: number

Format: counter

2.84 ng-waf

Objects:

2.84.1 ng-waf

NGWAF related commands

ng-waf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ng-waf
Element URI	/axapi/v3/ng-waf
Element Attributes	ng-waf_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ng-waf/stats
Operational Data URI	/axapi/v3/ng-waf/oper
Schema	`ng-waf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf

ng-waf attributes

```
POST /axapi/v3/ng-waf
Payload:
{
    "ng-waf": {
        "stats-list": [
            {
                "name": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/ng-waf

ng-waf attributes

```
GET /axapi/v3/ng-waf
Reponse:
{
    "ng-waf": {
        "uuid": "8993bd36-b6a6-11ef-b71b-ae71681635d0",
        "stats-list": [
            {
                "name": "a",
                "uuid": "d368bd36-b6cd-11ef-8f5a-ae71681635d0",
                "a10-url": "/axapi/v3/ng-waf/stats/a"
            }
        ],
        "status": {
            "uuid": "8993bef8-b6a6-11ef-b71b-ae71681635d0",
            "a10-url": "/axapi/v3/ng-waf/status"
        },
        "custom-page": {
            "uuid": "8993c2e0-b6a6-11ef-b71b-ae71681635d0",
            "a10-url": "/axapi/v3/ng-waf/custom-page"
        },
        "custom-signals": {
            "uuid": "8993c510-b6a6-11ef-b71b-ae71681635d0",
            "a10-url": "/axapi/v3/ng-waf/custom-signals"
        },
        "a10-url": "/axapi/v3/ng-waf"
    }
}
```

Modify Object

POST

/axapi/v3/ng-waf

ng-waf attributes

Replace Object

PUT

/axapi/v3/ng-waf

ng-waf attributes

```
PUT /axapi/v3/ng-waf
Payload:
{
    "ng-waf": {
        "stats-list": [
            {
                "name": "a"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/ng-waf

ng-waf attributes

```
DELETE /axapi/v3/ng-waf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ng-waf attributes

custom-page

Description: custom-page is a **JSON Block**. Please see below for *custom-page*

Type: Object

Reference Object: */axapi/v3/ng-waf/custom-page*

custom-signals

Description: custom-signals is a **JSON Block**. Please see below for *custom-signals*

Type: Object

Reference Object: */axapi/v3/ng-waf/custom-signals*

stats-list

Type: List

Reference Object: */axapi/v3/ng-waf/stats/{name}*

status

Description: status is a **JSON Block**. Please see below for *status*

Type: Object

Reference Object: */axapi/v3/ng-waf/status*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

stats-list

Specification	Value
Type	*list*
Block object keys	

name

Description ng-waf name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

custom-signals

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

custom-page

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.84.2 ng-waf custom-page

Custom html file for ng-waf

custom-page Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	custom-page
Element URI	/axapi/v3/ng-waf/custom-page
Element Attributes	custom-page_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ng-waf/custom-page/oper
Schema	`custom-page schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/custom-page

custom-page attributes

Get Object

GET

/axapi/v3/ng-waf/custom-page

custom-page attributes

Modify Object

POST

/axapi/v3/ng-waf/custom-page

custom-page attributes

Replace Object

PUT

/axapi/v3/ng-waf/custom-page

custom-page attributes

Delete Object

DELETE

/axapi/v3/ng-waf/custom-page

custom-page attributes

custom-page attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.84.3 ng-waf custom-page oper

Operational Status for the object custom-page

custom-page Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	custom-page
Element URI	/axapi/v3/ng-waf/custom-page/oper
Element Attributes	custom-page_attributes
Partition Visibility	None
Schema	`custom-page schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/custom-page/oper

custom-page attributes

Get Object

GET

/axapi/v3/ng-waf/custom-page/oper

custom-page attributes

Modify Object

POST

/axapi/v3/ng-waf/custom-page/oper

custom-page attributes

Replace Object

PUT

/axapi/v3/ng-waf/custom-page/oper

custom-page attributes

Delete Object

DELETE

/axapi/v3/ng-waf/custom-page/oper

custom-page attributes

custom-page attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

file-list

Type: List

oper_file-list

Specification	Value
Type	*list*
Block object keys	

file

Description

Type: string

size

Description

Type: number

2.84.4 ng-waf custom-signals

NGWAF custom signals

custom-signals Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	custom-signals
Element URI	/axapi/v3/ng-waf/custom-signals
Element Attributes	custom-signals_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ng-waf/custom-signals/oper
Schema	`custom-signals schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/custom-signals

custom-signals attributes

Get Object

GET

/axapi/v3/ng-waf/custom-signals

custom-signals attributes

Modify Object

POST

/axapi/v3/ng-waf/custom-signals

custom-signals attributes

Replace Object

PUT

/axapi/v3/ng-waf/custom-signals

custom-signals attributes

Delete Object

DELETE

/axapi/v3/ng-waf/custom-signals

custom-signals attributes

custom-signals attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.84.5 ng-waf custom-signals oper

Operational Status for the object custom-signals

custom-signals Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	custom-signals
Element URI	/axapi/v3/ng-waf/custom-signals/oper
Element Attributes	custom-signals_attributes
Partition Visibility	None
Schema	`custom-signals schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/custom-signals/oper

custom-signals attributes

Get Object

GET

/axapi/v3/ng-waf/custom-signals/oper

custom-signals attributes

Modify Object

POST

/axapi/v3/ng-waf/custom-signals/oper

custom-signals attributes

Replace Object

PUT

/axapi/v3/ng-waf/custom-signals/oper

custom-signals attributes

Delete Object

DELETE

/axapi/v3/ng-waf/custom-signals/oper

custom-signals attributes

custom-signals attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

signal-list

Type: List

oper_signal-list

Specification	Value
Type	*list*
Block object keys	

signal

Description

Type: string

2.84.6 ng-waf oper

Operational Status for the object ng-waf

ng-waf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ng-waf
Element URI	/axapi/v3/ng-waf/oper
Element Attributes	ng-waf_attributes
Partition Visibility	None
Schema	`ng-waf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/oper

ng-waf attributes

Get Object

GET

/axapi/v3/ng-waf/oper

ng-waf attributes

Modify Object

POST

/axapi/v3/ng-waf/oper

ng-waf attributes

Replace Object

PUT

/axapi/v3/ng-waf/oper

ng-waf attributes

Delete Object

DELETE

/axapi/v3/ng-waf/oper

ng-waf attributes

ng-waf attributes

custom-page

Description: custom-page is a **JSON Block**. Please see below for *custom-page*

Type: Object

Reference Object: /axapi/v3/ng-waf/status/custom-page

custom-signals

Description: custom-signals is a **JSON Block**. Please see below for *custom-signals*

Type: Object

Reference Object: /axapi/v3/ng-waf/status/custom-page/custom-signals

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

status

Description: status is a **JSON Block**. Please see below for *status*

Type: Object

Reference Object: */axapi/v3/ng-waf/status*

oper

Specification	Value
Type	*object*

cache-vport

Description

Type: string

cache-vserver

Description

Type: string

clear-all

Description

Type: boolean

Supported Values: true, false, 1, 0

ngwaf-stats-list

Type: List

vport

Description

Type: string

vserver

Description

Type: string

oper_ngwaf-stats-list

Specification	Value
Type	*list*
Block object keys	

count

Description

Type: number

name

Description

Type: string

type

Description

Type: string

status

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *status_oper*

Type: Object

status_oper

Specification	Value
Type	*object*

ngwaf-version

Description

Type: string

partition-list

Type: List

status_oper_partition-list

Specification	Value
Type	*list*
Block object keys	

access-key-id

Description

Type: string

agent-name

Description

Type: string

cache-entries

Description

Type: number

cpu

Description

Type: string

partition-name

Description

Type: string

secret-access-key

Description

Type: string

status

Description

Type: string

tracked-custom-signal

Description

Type: number

custom-signals

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *custom-signals_oper*

Type: Object

custom-signals_oper

Specification	Value
Type	*object*

signal-list

Type: List

custom-signals_oper_signal-list

Specification	Value
Type	*list*
Block object keys	

signal

Description

Type: string

custom-page

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *custom-page_oper*

Type: Object

custom-page_oper

Specification	Value
Type	*object*

file-list

Type: List

custom-page_oper_file-list

Specification	Value
Type	*list*
Block object keys	

file

Description

Type: string

size

Description

Type: number

2.84.7 ng-waf stats

NGWAF stats

stats Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*stats-list*
Collection URI	/axapi/v3/ng-waf/stats
Element Name	stats
Element URI	/axapi/v3/ng-waf/stats/{name}
Element Attributes	stats_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/ng-waf/stats/{name}/stats
Schema	`stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/stats

stats attributes

Create List

POST

/axapi/v3/ng-waf/stats

stats attributes

Get Object

GET

/axapi/v3/ng-waf/stats/{name}

stats attributes

Get List

GET

/axapi/v3/ng-waf/stats

stats-list

Modify Object

POST

/axapi/v3/ng-waf/stats/{name}

stats attributes

stats-list

stats-list is **JSON List** of *stats attributes*

stats-list : [

{ *stats attributes* },

{ *stats attributes* },

...

]

stats attributes

name

Description ng-waf name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.84.8 ng-waf stats stats

Statistics for the object stats

stats Specification

Parameter	Value
Type	*Collection*
Collection Name	*stats-list*
Collection URI	/axapi/v3/ng-waf/stats/{name}
Element Name	stats
Element URI	/axapi/v3/ng-waf/stats/{name}/stats
Element Attributes	stats_attributes
Partition Visibility	None
Schema	`stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/stats/{name}

stats attributes

Create List

POST

/axapi/v3/ng-waf/stats/{name}

stats attributes

Get Object

GET

/axapi/v3/ng-waf/stats/{name}/stats

stats attributes

Get List

GET

/axapi/v3/ng-waf/stats/{name}

stats-list

Modify Object

POST

/axapi/v3/ng-waf/stats/{name}/stats

stats attributes

stats-list

stats-list is **JSON List** of *stats attributes*

stats-list : [

{ *stats attributes* },

{ *stats attributes* },

...

]

stats attributes

name

Description ng-waf name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

abnormalpath

Description Abnormal Path

Type: number

Format: counter

aws-ssrf

Description AWS SSRF

Type: number

Format: counter

backdoor

Description Backdoor

Type: number

Format: counter

bhh

Description Bad Hop Headers

Type: number

Format: counter

block

Description Blocked Requests

Type: number

Format: counter

cmdexe

Description Command Execution

Type: number

Format: counter

codei

Description Code Injection PHP

Type: number

Format: counter

custom1

Description Custom signal 1

Type: number

Format: counter

custom10

Description Custom signal 10

Type: number

Format: counter

custom11

Description Custom signal 11

Type: number

Format: counter

custom12

Description Custom signal 12

Type: number

Format: counter

custom13

Description Custom signal 13

Type: number

Format: counter

custom14

Description Custom signal 14

Type: number

Format: counter

custom15

Description Custom signal 15

Type: number

Format: counter

custom16

Description Custom signal 16

Type: number

Format: counter

custom17

Description Custom signal 17

Type: number

Format: counter

custom18

Description Custom signal 18

Type: number

Format: counter

custom19

Description Custom signal 19

Type: number

Format: counter

custom2

Description Custom signal 2

Type: number

Format: counter

custom20

Description Custom signal 20

Type: number

Format: counter

custom21

Description Custom signal 21

Type: number

Format: counter

custom22

Description Custom signal 22

Type: number

Format: counter

custom23

Description Custom signal 23

Type: number

Format: counter

custom24

Description Custom signal 24

Type: number

Format: counter

custom25

Description Custom signal 25

Type: number

Format: counter

custom26

Description Custom signal 26

Type: number

Format: counter

custom27

Description Custom signal 27

Type: number

Format: counter

custom28

Description Custom signal 28

Type: number

Format: counter

custom29

Description Custom signal 29

Type: number

Format: counter

custom3

Description Custom signal 3

Type: number

Format: counter

custom30

Description Custom signal 30

Type: number

Format: counter

custom31

Description Custom signal 31

Type: number

Format: counter

custom32

Description Custom signal 32

Type: number

Format: counter

custom33

Description Custom signal 33

Type: number

Format: counter

custom34

Description Custom signal 34

Type: number

Format: counter

custom35

Description Custom signal 35

Type: number

Format: counter

custom36

Description Custom signal 36

Type: number

Format: counter

custom37

Description Custom signal 37

Type: number

Format: counter

custom38

Description Custom signal 38

Type: number

Format: counter

custom39

Description Custom signal 39

Type: number

Format: counter

custom4

Description Custom signal 4

Type: number

Format: counter

custom40

Description Custom signal 40

Type: number

Format: counter

custom41

Description Custom signal 41

Type: number

Format: counter

custom42

Description Custom signal 42

Type: number

Format: counter

custom43

Description Custom signal 43

Type: number

Format: counter

custom44

Description Custom signal 44

Type: number

Format: counter

custom45

Description Custom signal 45

Type: number

Format: counter

custom46

Description Custom signal 46

Type: number

Format: counter

custom47

Description Custom signal 47

Type: number

Format: counter

custom48

Description Custom signal 48

Type: number

Format: counter

custom49

Description Custom signal 49

Type: number

Format: counter

custom5

Description Custom signal 5

Type: number

Format: counter

custom50

Description Custom signal 50

Type: number

Format: counter

custom51

Description Custom signal 51

Type: number

Format: counter

custom52

Description Custom signal 52

Type: number

Format: counter

custom53

Description Custom signal 53

Type: number

Format: counter

custom54

Description Custom signal 54

Type: number

Format: counter

custom55

Description Custom signal 55

Type: number

Format: counter

custom56

Description Custom signal 56

Type: number

Format: counter

custom57

Description Custom signal 57

Type: number

Format: counter

custom58

Description Custom signal 58

Type: number

Format: counter

custom59

Description Custom signal 59

Type: number

Format: counter

custom6

Description Custom signal 6

Type: number

Format: counter

custom60

Description Custom signal 60

Type: number

Format: counter

custom61

Description Custom signal 61

Type: number

Format: counter

custom62

Description Custom signal 62

Type: number

Format: counter

custom63

Description Custom signal 63

Type: number

Format: counter

custom64

Description Custom signal 64

Type: number

Format: counter

custom7

Description Custom signal 7

Type: number

Format: counter

custom8

Description Custom signal 8

Type: number

Format: counter

custom9

Description Custom signal 9

Type: number

Format: counter

datacenter

Description Datacenter Traffic

Type: number

Format: counter

doubleenc

Description Double Encoding

Type: number

Format: counter

duplicate-headers

Description Duplicate Header Names

Type: number

Format: counter

error

Description Error Happened

Type: number

Format: counter

fbrowing

Description Forceful Browsing

Type: number

Format: counter

graphql-depth

Description GraphQL Max Depth

Type: number

Format: counter

graphql-ide

Description GraphQL IDE

Type: number

Format: counter

graphql-introspection

Description GraphQL Introspection

Type: number

Format: counter

graphql-unused-variables

Description GRAPHQL-UNUSED-VARIABLES

Type: number

Format: counter

http403

Description HTTP 403 Errors

Type: number

Format: counter

http404

Description HTTP 404 Errors

Type: number

Format: counter

http429

Description HTTP 429 Errors

Type: number

Format: counter

http4xx

Description HTTP 4xx Errors

Type: number

Format: counter

http500

Description HTTP 500 Errors

Type: number

Format: counter

http503

Description HTTP 503 Errors

Type: number

Format: counter

http5xx

Description HTTP 5xx Errors

Type: number

Format: counter

impostor

Description SearchBot Impostor

Type: number

Format: counter

json-error

Description JSON Encoding Error

Type: number

Format: counter

log4j-jndi

Description Log4J JNDI

Type: number

Format: counter

malformed

Description Malformed Data in the Request Body

Type: number

Format: counter

no-ctype

Description Missing Content-Type Request Header

Type: number

Format: counter

notutf8

Description Invalid Encoding

Type: number

Format: counter

noua

Description No User Agent

Type: number

Format: counter

nullbyte

Description Null Byte

Type: number

Format: counter

other

Description Unknown Attack

Type: number

Format: counter

privatefile

Description Private File

Type: number

Format: counter

req-blocked

Description Requests Blocked

Type: number

Format: counter

req-bypass

Description Requests Bypassed

Type: number

Format: counter

req-forward

Description Requests Forwarded

Type: number

Format: counter

req-marked

Description Requests Marked

Type: number

Format: counter

req-received

Description Requests Received

Type: number

Format: counter

req-redirected

Description Requests Redirected

Type: number

Format: counter

respsplit

Description HTTP Response Splitting

Type: number

Format: counter

sans

Description Malicious IP Traffic

Type: number

Format: counter

scanner

Description Scanner

Type: number

Format: counter

sigsci-ip

Description Network Effect

Type: number

Format: counter

site-flagged-ip

Description Site Flagged IP

Type: number

Format: counter

sqli

Description SQL Injection

Type: number

Format: counter

tornode

Description Tor Traffic

Type: number

Format: counter

traversal

Description Directory Traversal

Type: number

Format: counter

useragent

Description Attack Tooling

Type: number

Format: counter

weaktls

Description Weak TLS

Type: number

Format: counter

xml-error

Description XML Encoding Error

Type: number

Format: counter

xss

Description Cross Site Scripting

Type: number

Format: counter

2.84.9 ng-waf status

NGWAF status

status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	status
Element URI	/axapi/v3/ng-waf/status
Element Attributes	status_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ng-waf/status/oper
Schema	`status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/status

status attributes

Get Object

GET

/axapi/v3/ng-waf/status

status attributes

Modify Object

POST

/axapi/v3/ng-waf/status

status attributes

Replace Object

PUT

/axapi/v3/ng-waf/status

status attributes

Delete Object

DELETE

/axapi/v3/ng-waf/status

status attributes

status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.84.10 ng-waf status oper

Operational Status for the object status

status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	status
Element URI	/axapi/v3/ng-waf/status/oper
Element Attributes	status_attributes
Partition Visibility	None
Schema	`status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ng-waf/status/oper

status attributes

Get Object

GET

/axapi/v3/ng-waf/status/oper

status attributes

Modify Object

POST

/axapi/v3/ng-waf/status/oper

status attributes

Replace Object

PUT

/axapi/v3/ng-waf/status/oper

status attributes

Delete Object

DELETE

/axapi/v3/ng-waf/status/oper

status attributes

status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ngwaf-version

Description

Type: string

partition-list

Type: List

oper_partition-list

Specification	Value
Type	*list*
Block object keys	

access-key-id

Description

Type: string

agent-name

Description

Type: string

cache-entries

Description

Type: number

cpu

Description

Type: string

partition-name

Description

Type: string

secret-access-key

Description

Type: string

status

Description

Type: string

tracked-custom-signal

Description

Type: number

2.85 ntp

Objects:

2.85.1 ntp

Network Time Protocol configuration

ntp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ntp
Element URI	/axapi/v3/ntp
Element Attributes	ntp_attributes
Partition Visibility	shared
Schema	`ntp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ntp

ntp_attributes

ntp attributes

auth-key-list

Type: List

Reference Object: */axapi/v3/ntp/auth-key/{key}*

ntp-global

Description: ntp-global is a **JSON Block**. Please see below for *ntp-global*

Type: Object

Reference Object: */axapi/v3/ntp/ntp-global*

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Reference Object: */axapi/v3/ntp/server*

trusted-key-list

Type: List

Reference Object: */axapi/v3/ntp/trusted-key/{key}*

auth-key-list

Specification	Value
Type	*list*
Block object keys	

alg-type

Description 'M': encryption using MD5; 'SHA': encryption using SHA; 'SHA1': encryption using SHA1;

Type: string

Supported Values: M, SHA, SHA1

asc-key

Description

Type: string

Format: password

Maximum Length: 20 characters

Maximum Length: 1 characters

Mutual Exclusion: asc-key and hex-key are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: encrypted and hex-encrypted are mutually exclusive

hex-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: hex-encrypted and encrypted are mutually exclusive

hex-key

Description

Type: string

Format: password

Maximum Length: 40 characters

Maximum Length: 21 characters

Mutual Exclusion: hex-key and asc-key are mutually exclusive

key

Description authentication key

Type: number

Range: 1-65535

key-type

Description 'ascii': key string in ASCII form; 'hex': key string in hex form;

Type: string

Supported Values: ascii, hex

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trusted-key-list

Specification	Value
Type	*list*
Block object keys	

key

Description trusted key

Type: number

Range: 1-65535

Reference Object: */axapi/v3/ntp/auth-key*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ntp-global

Specification	Value
Type	*object*

allow-data-ports

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server

Specification	Value
Type	*object*

hostname-list

Type: List

Reference Object: */axapi/v3/ntp/server/hostname/{host-servername}*

server_hostname-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable this NTP server; 'disable': Disable this NTP server;

Type: string

Supported Values: enable, disable

Default: enable

host-servername

Description IPV4 address, IPV6 address or host name of NTP server(string1~63)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

key

Description Use trusted key to authenticate this NTP server (The trusted key number to use)

Type: number

Range: 1-65535

Reference Object: */axapi/v3/ntp/trusted-key*

prefer

Description Set this NTP server as preferred

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.2 ntp auth-key

authentication key

auth-key Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*key*
Collection Name	*auth-key-list*
Collection URI	/axapi/v3/ntp/auth-key
Element Name	auth-key
Element URI	/axapi/v3/ntp/auth-key/{key}
Element Attributes	auth-key_attributes
Partition Visibility	shared
Schema	`auth-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp/auth-key

auth-key attributes

```
POST /axapi/v3/ntp/auth-key/
Payload:
{
    "auth-key": {
        "key-type": "ascii",
        "alg-type": "M",
        "key": 1,
        "asc-key": "a"
    }
}
```

Create List

POST

/axapi/v3/ntp/auth-key

auth-key attributes

Get Object

GET

/axapi/v3/ntp/auth-key/{key}

auth-key attributes

```
GET /axapi/v3/ntp/auth-key/1
Reponse:
{
    "auth-key": {
        "key": 1,
        "alg-type": "M",
        "key-type": "ascii",
        "encrypted": "JkmoFWagGuIRFbK79e11hq4xF+V2a9IBjgcGrflXf84f7mcsV+ZmpZC1BPLoasbJ",
        "uuid": "67766172-b6ce-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/ntp/auth-key/1"
    }
}
```

Get List

GET

/axapi/v3/ntp/auth-key

auth-key-list

Modify Object

POST

/axapi/v3/ntp/auth-key/{key}

auth-key attributes

Replace Object

PUT

/axapi/v3/ntp/auth-key/{key}

auth-key attributes

```
PUT /axapi/v3/ntp/auth-key/1
Payload:
{
    "auth-key": {
        "key-type": "hex",
        "alg-type": "SHA",
        "key": 1,
```

(continues on next page)

(continued from previous page)

```
        "hex-key": "aaaaaaaaaaaaaaaaaaaab"
    }
}
```

Replace List

PUT

/axapi/v3/ntp/auth-key

auth-key-list

Delete Object

DELETE

/axapi/v3/ntp/auth-key/{key}

auth-key attributes

```
DELETE /axapi/v3/ntp/auth-key/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

auth-key-list

auth-key-list is **JSON List** of *auth-key attributes*

auth-key-list : [

{ *auth-key attributes* },

{ *auth-key attributes* },

...

]

auth-key attributes

alg-type

Description 'M': encryption using MD5; 'SHA': encryption using SHA; 'SHA1': encryption using SHA1;

Type: string

Supported Values: M, SHA, SHA1

asc-key

Description

Type: string

Format: password

Maximum Length: 20 characters

Maximum Length: 1 characters

Mutual Exclusion: asc-key and hex-key are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: encrypted and hex-encrypted are mutually exclusive

hex-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: hex-encrypted and encrypted are mutually exclusive

hex-key

Description

Type: string

Format: password

Maximum Length: 40 characters

Maximum Length: 21 characters

Mutual Exclusion: hex-key and asc-key are mutually exclusive

key

Description authentication key

Type: number

Range: 1-65535

key-type

Description 'ascii': key string in ASCII form; 'hex': key string in hex form;

Type: string

Supported Values: ascii, hex

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.3 ntp ntp-global

ntp global settings

ntp-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ntp-global
Element URI	/axapi/v3/ntp/ntp-global
Element Attributes	ntp-global_attributes
Partition Visibility	shared
Schema	`ntp-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp/ntp-global

ntp-global attributes

Get Object

GET

/axapi/v3/ntp/ntp-global

ntp-global attributes

Modify Object

POST

/axapi/v3/ntp/ntp-global

ntp-global attributes

Replace Object

PUT

/axapi/v3/ntp/ntp-global

ntp-global attributes

Delete Object

DELETE

/axapi/v3/ntp/ntp-global

ntp-global attributes

ntp-global attributes

allow-data-ports

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.4 ntp server

Set NTP time server

server Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	server
Element URI	/axapi/v3/ntp/server
Element Attributes	server_attributes
Partition Visibility	shared
Schema	`server schema`

Operations Allowed:

Get Object

GET

/axapi/v3/ntp/server

server_attributes

server attributes

hostname-list

Type: List

Reference Object: */axapi/v3/ntp/server/hostname/{host-servername}*

hostname-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable this NTP server; 'disable': Disable this NTP server;

Type: string

Supported Values: enable, disable

Default: enable

host-servername

Description IPV4 address, IPV6 address or host name of NTP server(string1~63)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

key

Description Use trusted key to authenticate this NTP server (The trusted key number to use)

Type: number

Range: 1-65535

Reference Object: */axapi/v3/ntp/trusted-key*

prefer

Description Set this NTP server as preferred

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.5 ntp server hostname

IPV4 address, IPV6 address or host name of NTP server

hostname Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*host-servername*
Collection Name	*hostname-list*
Collection URI	/axapi/v3/ntp/server/hostname
Element Name	hostname
Element URI	/axapi/v3/ntp/server/hostname/{host-servername}
Element Attributes	hostname_attributes
Partition Visibility	shared
Schema	`hostname schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp/server/hostname

hostname attributes

```
POST /axapi/v3/ntp/server/hostname/
Payload:
{
    "hostname": {
        "host-servername": "a",
        "key": 1
    }
}
```

Create List

POST

/axapi/v3/ntp/server/hostname

hostname attributes

Get Object

GET

/axapi/v3/ntp/server/hostname/{host-servername}

hostname attributes

```
GET /axapi/v3/ntp/server/hostname/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "hostname": {
        "host-servername": "a",
        "key": 1,
        "prefer": 0,
        "action": "enable",
        "uuid": "a46353e2-b6ce-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/ntp/server/hostname/a"
    }
}
```

Get List

GET

/axapi/v3/ntp/server/hostname

hostname-list

Modify Object

POST

/axapi/v3/ntp/server/hostname/{host-servername}

hostname attributes

Replace Object

PUT

/axapi/v3/ntp/server/hostname/{host-servername}

hostname attributes

```
PUT /axapi/v3/ntp/server/hostname/a
Payload:
{
    "hostname": {
        "host-servername": "a",
        "key": 2
    }
}
```

Replace List

PUT

/axapi/v3/ntp/server/hostname

hostname-list

Delete Object

DELETE

/axapi/v3/ntp/server/hostname/{host-servername}

hostname attributes

```
DELETE /axapi/v3/ntp/server/hostname/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

hostname-list

hostname-list is **JSON List** of *hostname attributes*

hostname-list : [

{ *hostname attributes* },

{ *hostname attributes* },

...

]

hostname attributes

action

Description 'enable': Enable this NTP server; 'disable': Disable this NTP server;

Type: string

Supported Values: enable, disable

Default: enable

host-servername

Description IPV4 address, IPV6 address or host name of NTP server(string1~63)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

key

Description Use trusted key to authenticate this NTP server (The trusted key number to use)

Type: number

Range: 1-65535

Reference Object: */axapi/v3/ntp/trusted-key*

prefer

Description Set this NTP server as preferred

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.85.6 ntp trusted-key

trusted key

trusted-key Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*key*
Collection Name	*trusted-key-list*
Collection URI	/axapi/v3/ntp/trusted-key
Element Name	trusted-key
Element URI	/axapi/v3/ntp/trusted-key/{key}
Element Attributes	trusted-key_attributes
Partition Visibility	shared
Schema	`trusted-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp/trusted-key

trusted-key attributes

```
POST /axapi/v3/ntp/trusted-key/
Payload:
{
    "trusted-key": {
        "key": 1
    }
}
```

Create List

POST

/axapi/v3/ntp/trusted-key

trusted-key attributes

Get Object

GET

/axapi/v3/ntp/trusted-key/{key}

trusted-key attributes

```
GET /axapi/v3/ntp/trusted-key/1
Reponse:
{
    "trusted-key": {
        "key": 1,
        "uuid": "fce3d3e8-b6ce-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/ntp/trusted-key/1"
    }
}
```

Get List

GET

/axapi/v3/ntp/trusted-key

trusted-key-list

Modify Object

POST

/axapi/v3/ntp/trusted-key/{key}

trusted-key attributes

Replace Object

PUT

/axapi/v3/ntp/trusted-key/{key}

trusted-key attributes

```
PUT /axapi/v3/ntp/trusted-key/1
Payload:
{
    "trusted-key": {
        "key": 1
    }
}
```

Replace List

PUT

/axapi/v3/ntp/trusted-key

trusted-key-list

Delete Object

DELETE

/axapi/v3/ntp/trusted-key/{key}

trusted-key attributes

```
DELETE /axapi/v3/ntp/trusted-key/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

trusted-key-list

trusted-key-list is **JSON List** of *trusted-key attributes*

trusted-key-list : [

{ *trusted-key attributes* },

{ *trusted-key attributes* },

...

]

trusted-key attributes

key

Description trusted key

Type: number

Range: 1-65535

Reference Object: */axapi/v3/ntp/auth-key*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.86 ntp-status

Objects:

2.86.1 ntp-status

Get the status of NTP Servers

ntp-status Specification

Parameter	Value
Type	*operational*
Element Name	ntp-status
Element URI	/axapi/v3/ntp-status
Element Attributes	ntp-status_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/ntp-status/oper
Schema	`ntp-status schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/ntp-status

ntp-status attributes

ntp-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.86.2 ntp-status oper

Operational Status for the object ntp-status

ntp-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ntp-status
Element URI	/axapi/v3/ntp-status/oper
Element Attributes	ntp-status_attributes
Partition Visibility	None
Schema	`ntp-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ntp-status/oper

ntp-status attributes

Get Object

GET

/axapi/v3/ntp-status/oper

ntp-status attributes

Modify Object

POST

/axapi/v3/ntp-status/oper

ntp-status attributes

Replace Object

PUT

/axapi/v3/ntp-status/oper

ntp-status attributes

Delete Object

DELETE

/axapi/v3/ntp-status/oper

ntp-status attributes

ntp-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

server

Type: List

oper_server

Specification	Value
Type	*list*
Block object keys	

auth

Description

Type: string

is_preferred

Description

Type: string

mode

Description

Type: string

ntp-server

Description

Type: string

status

Description

Type: string

2.87 object

Objects:

2.87.1 object

Configure Object

object Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	object
Element URI	/axapi/v3/object
Element Attributes	object_attributes
Partition Visibility	shared
Schema	`object schema`

Operations Allowed:

Get Object

GET

/axapi/v3/object

object_attributes

object attributes

network-list

Type: List

Reference Object: */axapi/v3/object/network/{net-name}*

network-list

Specification	Value
Type	*list*
Block object keys	

description

Description Description of the object instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-range-end

Description IPV4 Host address end

Type: string

Format: ipv4-address

ip-range-start

Description IPv4 Host Address start

Type: string

Format: ipv4-address

Mutual Exclusion: ip-range-start,ipv6-range-start, subnet, and ipv6-subnet are mutually exclusive

ipv6-range-end

Description IPV6 Host address end

Type: string

Format: ipv6-address

ipv6-range-start

Description IPv6 Host Address start

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-range-start,ip-range-start, subnet, and ipv6-subnet are mutually exclusive

ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: ipv6-subnet,ip-range-start, ipv6-range-start, and subnet are mutually exclusive

net-name

Description Network Object Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

subnet

Description IPv4 Network Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: subnet,ip-range-start, ipv6-range-start, and ipv6-subnet are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.87.2 object network

Configure Network Object

network Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*net-name*
Collection Name	*network-list*
Collection URI	/axapi/v3/object/network
Element Name	network
Element URI	/axapi/v3/object/network/{net-name}
Element Attributes	network_attributes
Partition Visibility	shared
Schema	`network schema`

Operations Allowed:

Create Object

POST

/axapi/v3/object/network

network attributes

```
POST /axapi/v3/object/network/
Payload:
{
    "network": {
        "net-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/object/network

network attributes

Get Object

GET

/axapi/v3/object/network/{net-name}

network attributes

```
GET /axapi/v3/object/network/a
Reponse:
{
    "network": {
        "net-name": "a",
        "uuid": "adcd058a-09a9-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/object/network/a"
    }
}
```

Get List

GET

/axapi/v3/object/network

network-list

Modify Object

POST

/axapi/v3/object/network/{net-name}

network attributes

Replace Object

PUT

/axapi/v3/object/network/{net-name}

network attributes

```
PUT /axapi/v3/object/network/a
Payload:
{
    "network": {
        "net-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/object/network

network-list

Delete Object

DELETE

/axapi/v3/object/network/{net-name}

network attributes

```
DELETE /axapi/v3/object/network/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

network-list

network-list is **JSON List** of *network attributes*

network-list : [

{ *network attributes* },

{ *network attributes* },

...

]

network attributes

description

Description Description of the object instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-range-end

Description IPV4 Host address end

Type: string

Format: ipv4-address

ip-range-start

Description IPv4 Host Address start

Type: string

Format: ipv4-address

Mutual Exclusion: ip-range-start,ipv6-range-start, subnet, and ipv6-subnet are mutually exclusive

ipv6-range-end

Description IPV6 Host address end

Type: string

Format: ipv6-address

ipv6-range-start

Description IPv6 Host Address start

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-range-start,ip-range-start, subnet, and ipv6-subnet are mutually exclusive

ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: ipv6-subnet,ip-range-start, ipv6-range-start, and subnet are mutually exclusive

net-name

Description Network Object Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

subnet

Description IPv4 Network Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: subnet,ip-range-start, ipv6-range-start, and ipv6-subnet are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.88 object-group

Objects:

2.88.1 object-group

Configure Object Group

object-group Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	object-group
Element URI	/axapi/v3/object-group
Element Attributes	object-group_attributes
Partition Visibility	shared
Schema	`object-group schema`

Operations Allowed:

Get Object

GET

/axapi/v3/object-group

object-group_attributes

object-group attributes

application-list

Type: List

Reference Object: */axapi/v3/object-group/application/{app-name}*

network-list

Type: List

Reference Object: */axapi/v3/object-group/network/{net-name}*

service-list

Type: List

Reference Object: */axapi/v3/object-group/service/{svc-name}*

network-list

Specification	Value
Type	*list*
Block object keys	

description

Description Description of the object-group instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-version

Description 'v4': IPv4 rule; 'v6': IPv6 rule;

Type: string

Supported Values: v4, v6

net-name

Description Network Object Group Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rules

Type: List

usage

Description 'acl': Use for access-lists (default).; 'fw': Use for Firewall rule-set;

Type: string

Supported Values: acl, fw

Default: acl

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network-list_rules

Specification	Value
Type	*list*
Block object keys	

any

Description Any host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-ipv4-address

Description IPv4 Network Address

Type: string

Format: ipv4-cidr

fw-ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

host-v4

Description IPv4 Host Address

Type: string

Format: ipv4-address

host-v6

Description IPv6 Host Address

Type: string

Format: ipv6-address

ip-range-end

Description IPV4 Host address end

Type: string

Format: ipv4-address

ip-range-start

Description IPv4 Host Address start

Type: string

Format: ipv4-address

ipv6-range-end

Description IPV6 Host address end

Type: string

Format: ipv6-address

ipv6-range-start

Description IPv6 Host Address start

Type: string

Format: ipv6-address

ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

obj-network

Description Network Object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/object/network*

rev-subnet-mask

Description Network Mask. 0=apply, 255=ignore

Type: string

Format: ipv4-rev-netmask

seq-num

Description Sequence number

Type: number

Range: 1-8192

slb-server

Description Server

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

slb-vserver

Description Virtual Server

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

subnet

Description IPv4 Network Address

Type: string

Format: ipv4-address

service-list

Specification	Value
Type	*list*
Block object keys	

description

Description Description of the object-group instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

svc-name

Description Service Object Group Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_rules

Specification	Value
Type	*list*
Block object keys	

alg

Description 'FTP': Specify FTP ALG port range; 'TFTP': Specify TFTP ALG port range; 'SIP': Specify SIP ALG port range; 'DNS': Specify DNS ALG port range; 'PPTP': Specify PPTP ALG port range; 'RTSP': Specify RTSP ALG port range;

Type: string

Supported Values: FTP, TFTP, SIP, DNS, PPTP, RTSP

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code, icmp-code, and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type, icmp-type, and special-type are mutually exclusive

eq-dst

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

eq-src

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

gt-dst

Description Match only packets with a greater destination port number

Type: number

Range: 1-65534

gt-src

Description Match only packets with a greater source port number

Type: number

Range: 1-65534

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code, any-code, and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type, any-type, and special-type are mutually exclusive

icmpv6

Description Internet Control Message Protocol version 6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-code

Description ICMPv6 code number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-code, v6-any-code, and special-v6-code are mutually exclusive

icmpv6-type

Description ICMPv6 type number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-type, v6-any-type, and special-v6-type are mutually exclusive

lt-dst

Description Match only packets with a lesser destination port number

Type: number

Range: 2-65535

lt-src

Description Match only packets with a lower source port number

Type: number

Range: 2-65535

port-num-end-dst

Description Ending Destination Port Number

Type: number

Range: 1-65535

port-num-end-src

Description Ending Source Port Number

Type: number

Range: 1-65535

protocol-id

Description Protocol ID

Type: number

Range: 0-255

range-dst

Description Match only packets in the range of destination port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

range-src

Description match only packets in the range of source port numbers (Starting Port Number)

Type: number

Range: 1-65535

seq-num

Description Sequence number

Type: number

Range: 1-8192

source

Description Source Port Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code, any-code, and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type, icmp-type, and any-type are mutually exclusive

special-v6-code

Description 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-v6-code, v6-any-code, and icmpv6-code are mutually exclusive

special-v6-type

Description 'dest-unreachable': Type 1, destination unreachable; 'echo-reply': Type 129, echo reply; 'echo-request': Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded;

Type: string

Supported Values: dest-unreachable, echo-reply, echo-request, packet-too-big, param-prob, time-exceeded

Mutual Exclusion: special-v6-type, icmpv6-type, and v6-any-type are mutually exclusive

tcp-udp

Description 'tcp': Protocol TCP; 'udp': Protocol UDP;

Type: string

Supported Values: tcp, udp

v6-any-code

Description Any ICMPv6 code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v6-any-code, icmpv6-code, and special-v6-code are mutually exclusive

v6-any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v6-any-type, icmpv6-type, and special-v6-type are mutually exclusive

application-list

Specification	Value
Type	*list*
Block object keys	

app-list

Type: List

app-name

Description Application Object Group Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

application-list_app-list

Specification	Value
Type	*list*
Block object keys	

protocol

Description Specify application

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

protocol-tag

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'application-enforcing-tls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network

protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, application-enforcing-tls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

2.88.2 object-group application

Configure Application Object Group

application Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*app-name*
Collection Name	*application-list*
Collection URI	/axapi/v3/object-group/application
Element Name	application
Element URI	/axapi/v3/object-group/application/{app-name}
Element Attributes	application_attributes
Partition Visibility	shared
Schema	`application schema`

Operations Allowed:

Create Object

POST

/axapi/v3/object-group/application

application attributes

```
POST /axapi/v3/object-group/application/
```

(continues on next page)

(continued from previous page)

```
Payload:
{
    "application": {
        "app-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/object-group/application

application attributes

Get Object

GET

/axapi/v3/object-group/application/{app-name}

application attributes

Get List

GET

/axapi/v3/object-group/application

application-list

Modify Object

POST

/axapi/v3/object-group/application/{app-name}

application attributes

Replace Object

PUT

/axapi/v3/object-group/application/{app-name}

application attributes

Replace List

PUT

/axapi/v3/object-group/application

application-list

Delete Object

DELETE

/axapi/v3/object-group/application/{app-name}

application attributes

application-list

application-list is **JSON List** of *application attributes*

application-list : [

{ *application attributes* },

{ *application attributes* },

...

]

application attributes

app-list

Type: List

app-name

Description Application Object Group Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-list

Specification	Value
Type	*list*
Block object keys	

protocol

Description Specify application

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

protocol-tag

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'application-enforcing-tls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Pro-

tocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, application-enforcing-tls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

2.88.3 object-group network

Configure Network Object Group

network Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*net-name*
Collection Name	*network-list*
Collection URI	/axapi/v3/object-group/network
Element Name	network
Element URI	/axapi/v3/object-group/network/{net-name}
Element Attributes	network_attributes
Partition Visibility	shared
Schema	`network schema`

Operations Allowed:

Create Object

POST

/axapi/v3/object-group/network

network attributes

```
POST /axapi/v3/object-group/network/
Payload:
{
    "network": {
        "net-name": "a",
        "usage": "acl"
    }
}
```

Create List

POST

/axapi/v3/object-group/network

network attributes

Get Object

GET

/axapi/v3/object-group/network/{net-name}

network attributes

```
GET /axapi/v3/object-group/network/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "network": {
        "net-name": "a",
        "usage": "acl",
        "uuid": "8272a288-09a8-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/object-group/network/a"
    }
}
```

Get List

GET

/axapi/v3/object-group/network

network-list

Modify Object

POST

/axapi/v3/object-group/network/{net-name}

network attributes

Replace Object

PUT

/axapi/v3/object-group/network/{net-name}

network attributes

```
PUT /axapi/v3/object-group/network/a
Payload:
{
    "network": {
        "net-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/object-group/network

network-list

Delete Object

DELETE

/axapi/v3/object-group/network/{net-name}

network attributes

```
DELETE /axapi/v3/object-group/network/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

network-list

network-list is **JSON List** of *network attributes*

network-list : [

{ *network attributes* },

{ *network attributes* },

...

]

network attributes

description

Description Description of the object-group instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-version

Description 'v4': IPv4 rule; 'v6': IPv6 rule;

Type: string

Supported Values: v4, v6

net-name

Description Network Object Group Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rules

Type: List

usage

Description 'acl': Use for access-lists (default).; 'fw': Use for Firewall rule-set;

Type: string

Supported Values: acl, fw

Default: acl

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	Value
Type	*list*
Block object keys	

any

Description Any host

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-ipv4-address

Description IPv4 Network Address

Type: string

Format: ipv4-cidr

fw-ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

host-v4

Description IPv4 Host Address

Type: string

Format: ipv4-address

host-v6

Description IPv6 Host Address

Type: string

Format: ipv6-address

ip-range-end

Description IPV4 Host address end

Type: string

Format: ipv4-address

ip-range-start

Description IPv4 Host Address start

Type: string

Format: ipv4-address

ipv6-range-end

Description IPV6 Host address end

Type: string

Format: ipv6-address

ipv6-range-start

Description IPv6 Host Address start

Type: string

Format: ipv6-address

ipv6-subnet

Description IPv6 Network Address

Type: string

Format: ipv6-address-plen

obj-network

Description Network Object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/object/network*

rev-subnet-mask

Description Network Mask. 0=apply, 255=ignore

Type: string

Format: ipv4-rev-netmask

seq-num

Description Sequence number

Type: number

Range: 1-8192

slb-server

Description Server

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

slb-vserver

Description Virtual Server

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

subnet

Description IPv4 Network Address

Type: string

Format: ipv4-address

2.88.4 object-group service

Configure Service Object Group

service Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*svc-name*
Collection Name	*service-list*
Collection URI	/axapi/v3/object-group/service
Element Name	service
Element URI	/axapi/v3/object-group/service/{svc-name}
Element Attributes	service_attributes
Partition Visibility	shared
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/object-group/service

service attributes

```
POST /axapi/v3/object-group/service/
Payload:
{
    "service": {
        "svc-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/object-group/service

service attributes

Get Object

GET

/axapi/v3/object-group/service/{svc-name}

service attributes

```
GET /axapi/v3/object-group/service/a
Reponse:
{
    "service": {
        "svc-name": "a",
        "uuid": "cd136eb2-09a8-11f0-837c-5323f81e20fe",
        "user-tag": "a",
        "a10-url": "/axapi/v3/object-group/service/a"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get List

GET

/axapi/v3/object-group/service

service-list

Modify Object

POST

/axapi/v3/object-group/service/{svc-name}

service attributes

Replace Object

PUT

/axapi/v3/object-group/service/{svc-name}

service attributes

```
PUT /axapi/v3/object-group/service/a
Payload:
{
    "service": {
        "svc-name": "a",
        "user-tag": "abc"
    }
}
```

Replace List

PUT

/axapi/v3/object-group/service

service-list

Delete Object

DELETE

/axapi/v3/object-group/service/{svc-name}

service attributes

```
DELETE /axapi/v3/object-group/service/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

...

]

service attributes

description

Description Description of the object-group instance

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

rules

Type: List

svc-name

Description Service Object Group Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules

Specification	Value
Type	*list*
Block object keys	

alg

Description 'FTP': Specify FTP ALG port range; 'TFTP': Specify TFTP ALG port range; 'SIP': Specify SIP ALG port range; 'DNS': Specify DNS ALG port range; 'PPTP': Specify PPTP ALG port range; 'RTSP': Specify RTSP ALG port range;

Type: string

Supported Values: FTP, TFTP, SIP, DNS, PPTP, RTSP

any-code

Description Any ICMP code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-code, icmp-code, and special-code are mutually exclusive

any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any-type, icmp-type, and special-type are mutually exclusive

eq-dst

Description Match only packets on a given destination port (port number)

Type: number

Range: 1-65535

eq-src

Description Match only packets on a given source port (port number)

Type: number

Range: 1-65535

gt-dst

Description Match only packets with a greater destination port number

Type: number

Range: 1-65534

gt-src

Description Match only packets with a greater source port number

Type: number

Range: 1-65534

icmp

Description Internet Control Message Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code, any-code, and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type, any-type, and special-type are mutually exclusive

icmpv6

Description Internet Control Message Protocol version 6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmpv6-code

Description ICMPv6 code number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-code, v6-any-code, and special-v6-code are mutually exclusive

icmpv6-type

Description ICMPv6 type number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-type, v6-any-type, and special-v6-type are mutually exclusive

lt-dst

Description Match only packets with a lesser destination port number

Type: number

Range: 2-65535

lt-src

Description Match only packets with a lower source port number

Type: number

Range: 2-65535

port-num-end-dst

Description Ending Destination Port Number

Type: number

Range: 1-65535

port-num-end-src

Description Ending Source Port Number

Type: number

Range: 1-65535

protocol-id

Description Protocol ID

Type: number

Range: 0-255

range-dst

Description Match only packets in the range of destination port numbers (Starting Destination Port Number)

Type: number

Range: 1-65535

range-src

Description match only packets in the range of source port numbers (Starting Port Number)

Type: number

Range: 1-65535

seq-num

Description Sequence number

Type: number

Range: 1-8192

source

Description Source Port Information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

special-code

Description 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code, any-code, and icmp-code are mutually exclusive

special-type

Description 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type, icmp-type, and any-type are mutually exclusive

special-v6-code

Description 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-v6-code, v6-any-code, and icmpv6-code are mutually exclusive

special-v6-type

Description 'dest-unreachable': Type 1, destination unreachable; 'echo-reply': Type 129, echo reply; 'echo-request': Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded;

Type: string

Supported Values: dest-unreachable, echo-reply, echo-request, packet-too-big, param-prob, time-exceeded

Mutual Exclusion: special-v6-type, icmpv6-type, and v6-any-type are mutually exclusive

tcp-udp

Description 'tcp': Protocol TCP; 'udp': Protocol UDP;

Type: string

Supported Values: tcp, udp

v6-any-code

Description Any ICMPv6 code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v6-any-code, icmpv6-code, and special-v6-code are mutually exclusive

v6-any-type

Description Any ICMP type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v6-any-type, icmpv6-type, and special-v6-type are mutually exclusive

2.89 overlay-mgmt-info

Objects:

2.89.1 overlay-mgmt-info

Overlay management specific data

overlay-mgmt-info Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*plugin_name, appstring*
Collection Name	*overlay-mgmt-info-list*
Collection URI	/axapi/v3/overlay-mgmt-info
Element Name	overlay-mgmt-info
Element URI	/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}
Element Attributes	overlay-mgmt-info_attributes
Partition Visibility	shared
Schema	`overlay-mgmt-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-mgmt-info

overlay-mgmt-info attributes

```
POST /axapi/v3/overlay-mgmt-info/
Payload:
{
    "overlay-mgmt-info": {
        "appstring": "a",
        "plugin_name": "a"
    }
}
```

Create List

POST

/axapi/v3/overlay-mgmt-info

overlay-mgmt-info attributes

Get Object

GET

/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}

overlay-mgmt-info attributes

```
GET /axapi/v3/overlay-mgmt-info/a+a
Reponse:
{
    "overlay-mgmt-info": {
        "plugin_name": "a",
        "appstring": "a",
        "uuid": "d8f01fc2-09a9-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/overlay-mgmt-info/a+a"
    }
}
```

Get List

GET

/axapi/v3/overlay-mgmt-info

overlay-mgmt-info-list

Modify Object

POST

/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}

overlay-mgmt-info attributes

Replace Object

PUT

/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}

overlay-mgmt-info attributes

```
PUT /axapi/v3/overlay-mgmt-info/a+a
Payload:
{
    "overlay-mgmt-info": {
        "appstring": "a",
        "plugin_name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/overlay-mgmt-info

overlay-mgmt-info-list

Delete Object

DELETE

/axapi/v3/overlay-mgmt-info/{plugin_name}+{appstring}

overlay-mgmt-info attributes

```
DELETE /axapi/v3/overlay-mgmt-info/a+a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

overlay-mgmt-info-list

overlay-mgmt-info-list is **JSON List** of *overlay-mgmt-info attributes*

overlay-mgmt-info-list : [

{ *overlay-mgmt-info attributes* },

{ *overlay-mgmt-info attributes* },

...

]

overlay-mgmt-info attributes

appstring

Description Application string

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

plugin_name

Description Plugin string

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90 overlay-tunnel

Objects:

2.90.1 overlay-tunnel

Configure a Tunnel end point

overlay-tunnel Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	overlay-tunnel
Element URI	/axapi/v3/overlay-tunnel
Element Attributes	overlay-tunnel_attributes
Partition Visibility	shared
Schema	`overlay-tunnel schema`

Operations Allowed:

Get Object

GET

/axapi/v3/overlay-tunnel

overlay-tunnel_attributes

overlay-tunnel attributes

debug

Description: debug is a **JSON Block**. Please see below for *debug*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/debug*

options

Description: options is a **JSON Block**. Please see below for *options*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/options*

vtep-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}*

debug

Specification	Value
Type	*object*

encap-table

Description: encap-table is a **JSON Block**. Please see below for *debug_encap-table*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/debug/encap-table*

debug_encap-table

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

options

Specification	Value
Type	*object*

fragmentation-mode-inner

Description Enable the inner-fragmentation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-mac

Description MAC to be used with Gateway segment Id (MAC Address for the Gateway segment)

Type: string

Format: mac-address

ip-dscp-preserve

Description Copy DSCP bits from inner IP to outer IP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre-disable-flow-id

Description Disable Flow-ID computation for NVGRE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre-key-mode-lower24

Description Use the lower 24-bits of the GRE key as the VSID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-port-range

Description: src-port-range is a **JSON Block**. Please see below for *options_src-port-range*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/options/src-port-range*

tcp-mss-adjust-disable

Description Disable TCP MSS adjustment in SYN packet for tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan-dest-port

Description VXLAN UDP Destination Port (UDP Port Number (default 4789))

Type: number

Range: 1-65535

options_src-port-range

Specification	Value
Type	*object*

max-port

Description Maximum Port Number

Type: number

Range: 1-65535

Default: 65535

min-port

Description Minimum Port Number

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list

Specification	Value
Type	*list*
Block object keys	

dest-port

Description Layer-4 Destination Port (Port Number)

Type: number

Range: 1-65535

encap

Description 'ip-encap': Tunnel encapsulation type is IP; 'gre': Tunnel encapsulation type is GRE; 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: ip-encap, gre, nvgre, vxlan

host-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}+{remote-ipv6-vtep}*

id

Description VTEP Identifier

Type: number

Range: 1-190

local-ip-address

Description: local-ip-address is a **JSON Block**. Please see below for *vtep-list_local-ip-address*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address*

local-ipv6-address

Description: local-ipv6-address is a **JSON Block**. Please see below for *vtep-list_local-ipv6-address*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address*

remote-ip-address-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}*

remote-ipv6-address-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}*

sampling-enable

Type: List

src-port-range

Description: src-port-range is a **JSON Block**. Please see below for *vtep-list_src-port-range*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/src-port-range*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_src-port-range

Specification	Value
Type	*object*

max-port

Description Maximum Port Number

Type: number

Range: 1-65535

Default: 65535

min-port

Description Minimum Port Number

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_local-ip-address

Specification	Value
Type	*object*

ip-address

Description Source Tunnel End Point IPv4 address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}*

vtep-list_local-ip-address_vni-list

Specification	Value
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_local-ipv6-address

Specification	Value
Type	*object*

ipv6-address

Description Source Tunnel End Point IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni/{segment}*

vtep-list_local-ipv6-address_vni-list

Specification	Value
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cfg_err_count': Config errors; 'flooded_pkt_count': Flooded packet count; 'encap_unresolved_count': Encap unresolved failures; 'unknown_encap_rx_pkt': Encap miss rx pkts; 'unknown_encap_tx_pkt': Encap miss tx pkts; 'arp_req_sent': Arp request sent; 'vtep_host_learned': Hosts learned; 'vtep_host_learn_error': Host learn error; 'invalid_lif_rx': Invalid Lif pkts in; 'invalid_lif_tx': Invalid Lif pkts out; 'unknown_vtep_tx': Vtep unknown tx; 'unknown_vtep_rx': Vtep Unkown rx; 'unhandled_pkt_rx': Unhandled packets in; 'unhandled_pkt_tx': Unhandled packets out; 'total_pkts_rx': Total packets out; 'total_bytes_rx': Total packet bytes in; 'unicast_pkt_rx': Total unicast packets in; 'bcast_pkt_rx': Total broadcast packets in; 'mcast_pkt_rx': Total multicast packets in; 'dropped_pkt_rx': Dropped received packets; 'encap_miss_pkts_rx': Encap missed in received packets; 'bad_chksum_pks_rx': Bad checksum in received packets; 'requeue_pkts_in': Requeued packets in; 'pkts_out': Packets out; 'total_bytes_tx': Packet bytes out; 'unicast_pkt_tx': Unicast packets out; 'bcast_pkt_tx': Broadcast packets out; 'mcast_pkt_tx': Multicast packets out; 'dropped_pkts_tx': Dropped packets out; 'large_pkts_rx': Too large packets in; 'dot1q_pkts_rx': Dot1q packets in; 'frag_pkts_tx': Frag packets out; 'reassembled_pkts_rx': Reassembled packets in; 'bad_inner_ipv4_len_rx': bad inner ipv4 packet len; 'bad_inner_ipv6_len_rx': Bad inner ipv6 packet len; 'frag_drop_pkts_tx': Frag dropped packets out; 'lif_un_init_rx': Lif uninitialized packets in;

Type: string

Supported Values: all, cfg_err_count, flooded_pkt_count, encap_unresolved_count, unknown_encap_rx_pkt, unknown_encap_tx_pkt, arp_req_sent, vtep_host_learned, vtep_host_learn_error, invalid_lif_rx, invalid_lif_tx, unknown_vtep_tx, unknown_vtep_rx, unhandled_pkt_rx, unhandled_pkt_tx, total_pkts_rx, total_bytes_rx, unicast_pkt_rx, bcast_pkt_rx, mcast_pkt_rx, dropped_pkt_rx, encap_miss_pkts_rx, bad_chksum_pks_rx, requeue_pkts_in, pkts_out, total_bytes_tx, unicast_pkt_tx, bcast_pkt_tx, mcast_pkt_tx, dropped_pkts_tx, large_pkts_rx, dot1q_pkts_rx, frag_pkts_tx, reassembled_pkts_rx, bad_inner_ipv4_len_rx, bad_inner_ipv6_len_rx, frag_drop_pkts_tx, lif_un_init_rx

vtep-list_remote-ip-address-list

Specification	Value
Type	*list*
Block object keys	

class-list

Description Name of the class-list

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: nvgre, vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *vtep-list_remote-ip-address-list_gre-keepalive*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive*

ip-address

Description IP Address of the remote VTEP

Type: string

Format: ipv4-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *vtep-list_remote-ip-address-list_use-gre-key*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *vtep-list_remote-ip-address-list_use-lif*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}*

vtep-list_remote-ip-address-list_gre-keepalive

Specification	Value
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ip-address-list_use-lif

Specification	Value
Type	*object*

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ip-address-list_vni-list

Specification	Value
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ip-address-list_use-gre-key

Specification	Value
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ipv6-address-list

Specification	Value
Type	*list*
Block object keys	

class-list

Description Name of the class-list

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

encap

Description 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *vtep-list_remote-ipv6-address-list_gre-keepalive*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive*

ipv6-address

Description IPv6 Address of the remote VTEP

Type: string

Format: ipv6-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *vtep-list_remote-ipv6-address-list_use-gre-key*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *vtep-list_remote-ipv6-address-list_use-lif*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni/{segment}*

vtep-list_remote-ipv6-address-list_gre-keepalive

Specification	Value
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ipv6-address-list_use-lif

Specification	Value
Type	*object*

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ipv6-address-list_vni-list

Specification	Value
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_remote-ipv6-address-list_use-gre-key

Specification	Value
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vtep-list_host-list

Specification	Value
Type	*list*
Block object keys	

ip-addr

Description IPv4 address of the overlay host

Type: string

Format: ipv4-address

ipv6-addr

Description IPv6 address of the overlay host

Type: string

Format: ipv6-address

overlay-mac-addr

Description MAC Address of the overlay host

Type: string

Format: mac-address

remote-ipv6-vtep

Description Configure the VTEP IPv6 address (IPv6 address of the VTEP for the remote host)

Type: string

Format: ipv6-address

remote-vtep

Description Configure the VTEP IP address (IPv4 address of the VTEP for the remote host)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni

Description Configure the segment id (VNI of the remote host)

Type: number

Range: 1-16777215

2.90.2 overlay-tunnel debug

Configure scaleout

debug Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	debug
Element URI	/axapi/v3/overlay-tunnel/debug
Element Attributes	debug_attributes
Partition Visibility	shared
Schema	`debug schema`

Operations Allowed:

Get Object

GET

/axapi/v3/overlay-tunnel/debug

debug_attributes

debug attributes

encap-table

Description: encap-table is a **JSON Block**. Please see below for *encap-table*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/debug/encap-table*

encap-table

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.3 overlay-tunnel debug encap-table oper

Operational Status for the object encap-table

encap-table Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	encap-table
Element URI	/axapi/v3/overlay-tunnel/debug/encap-table/oper
Element Attributes	encap-table_attributes
Partition Visibility	None
Schema	`encap-table schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/debug/encap-table/oper

encap-table attributes

Get Object

GET

/axapi/v3/overlay-tunnel/debug/encap-table/oper

encap-table attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/debug/encap-table/oper

encap-table attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/debug/encap-table/oper

encap-table attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/debug/encap-table/oper

encap-table attributes

encap-table attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

tot_ip_encap

Description

Type: number

tot_ipv6_encap

Description

Type: number

vtep

Type: List

oper_vtep

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

dst_vtep_ip

Description IPv4 address

Type: string

Format: ipv4-address

dst_vtep_ipv6

Description

Type: string

Format: ipv6-address

dst_vtep_mac

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

encap_type

Description

Type: string

hindex

Description

Type: number

Range: 1-5

index

Description

Type: number

Range: 1-5

is_ipv6

Description

Type: number

is_static

Description

Type: number

lifname

Description

Type: string

partname

Description

Type: string

src_vtep_ip

Description IPv4 address

Type: string

Format: ipv4-address

src_vtep_ipv6

Description

Type: string

Format: ipv6-address

vlan

Description

Type: number

vtep_id

Description

Type: number

vtep_vnp_id

Description

Type: number

2.90.4 overlay-tunnel options

Global overlay-tunnel configuration options

options Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	options
Element URI	/axapi/v3/overlay-tunnel/options
Element Attributes	options_attributes
Partition Visibility	shared
Schema	`options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/options

options attributes

```
POST /axapi/v3/overlay-tunnel/options
Payload:
{
    "options": {
        "ip-dscp-preserve": 1,
        "src-port-range": {
            "min-port": 1,
            "max-port": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/overlay-tunnel/options

options attributes

```
GET /axapi/v3/overlay-tunnel/options
Reponse:
{
    "options": {
        "ip-dscp-preserve": 1,
        "nvgre-disable-flow-id": 0,
        "nvgre-key-mode-lower24": 0,
        "tcp-mss-adjust-disable": 0,
        "fragmentation-mode-inner": 0,
        "uuid": "2ede2f78-09aa-11f0-837c-5323f81e20fe",
        "src-port-range": {
            "min-port": 1,
            "max-port": 1,
            "uuid": "2ee70ea4-09aa-11f0-837c-5323f81e20fe",
            "a10-url": "/axapi/v3/overlay-tunnel/options/src-port-range"
        },
        "a10-url": "/axapi/v3/overlay-tunnel/options"
    }
}
```

Modify Object

POST

/axapi/v3/overlay-tunnel/options

options attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/options

options attributes

```
PUT /axapi/v3/overlay-tunnel/options
Payload:
{
    "options": {
        "ip-dscp-preserve": 0,
        "src-port-range": {
            "min-port": 1,
            "max-port": 1
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/overlay-tunnel/options

options attributes

```
DELETE /axapi/v3/overlay-tunnel/options
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

options attributes

fragmentation-mode-inner

Description Enable the inner-fragmentation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-mac

Description MAC to be used with Gateway segment Id (MAC Address for the Gateway segment)

Type: string

Format: mac-address

ip-dscp-preserve

Description Copy DSCP bits from inner IP to outer IP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre-disable-flow-id

Description Disable Flow-ID computation for NVGRE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nvgre-key-mode-lower24

Description Use the lower 24-bits of the GRE key as the VSID

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-port-range

Description: src-port-range is a **JSON Block**. Please see below for *src-port-range*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/options/src-port-range*

tcp-mss-adjust-disable

Description Disable TCP MSS adjustment in SYN packet for tunnels

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vxlan-dest-port

Description VXLAN UDP Destination Port (UDP Port Number (default 4789))

Type: number

Range: 1-65535

src-port-range

Specification	Value
Type	*object*

max-port

Description Maximum Port Number

Type: number

Range: 1-65535

Default: 65535

min-port

Description Minimum Port Number

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.5 overlay-tunnel options src-port-range

Source Port Range

src-port-range Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	src-port-range
Element URI	/axapi/v3/overlay-tunnel/options/src-port-range
Element Attributes	src-port-range_attributes
Partition Visibility	shared
Schema	`src-port-range schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/options/src-port-range

src-port-range attributes

```
POST /axapi/v3/overlay-tunnel/options/src-port-range
Payload:
{
    "src-port-range": {
        "min-port": 1,
        "max-port": 1
    }
}
```

Get Object

GET

/axapi/v3/overlay-tunnel/options/src-port-range

src-port-range attributes

```
GET /axapi/v3/overlay-tunnel/options/src-port-range
Reponse:
{
    "src-port-range": {
        "min-port": 1,
        "max-port": 1,
        "uuid": "5e70bed6-09aa-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/overlay-tunnel/options/src-port-range"
    }
}
```

Modify Object

POST

/axapi/v3/overlay-tunnel/options/src-port-range

src-port-range attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/options/src-port-range

src-port-range attributes

```
PUT /axapi/v3/overlay-tunnel/options/src-port-range
Payload:
{
    "src-port-range": {
        "min-port": 1,
        "max-port": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/overlay-tunnel/options/src-port-range

src-port-range attributes

```
DELETE /axapi/v3/overlay-tunnel/options/src-port-range
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Please reload/reboot to have this global source port range to be␣
↪effective on all VTEPs that do not have explicit source port range configurations."
    }
}
```

src-port-range attributes

max-port

Description Maximum Port Number

Type: number

Range: 1-65535

Default: 65535

min-port

Description Minimum Port Number

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.6 overlay-tunnel vtep

Virtual Tunnel end point Configuration

vtep Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*id*
Collection Name	*vtep-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep
Element Name	vtep
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}
Element Attributes	vtep_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/overlay-tunnel/vtep/{id}/stats
Schema	`vtep schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep

vtep attributes

```
POST /axapi/v3/overlay-tunnel/vtep/
Payload:
{
    "vtep": {
        "id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/overlay-tunnel/vtep

vtep attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

```
GET /axapi/v3/overlay-tunnel/vtep/1
Reponse:
{
    "vtep": {
        "id": 1,
        "uuid": "76416088-09aa-11f0-837c-5323f81e20fe",
        "user-tag": "a",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/overlay-tunnel/vtep/1"
    }
}
```

Get List

GET

/axapi/v3/overlay-tunnel/vtep

vtep-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

```
PUT /axapi/v3/overlay-tunnel/vtep/1
Payload:
{
    "vtep": {
        "id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep

vtep-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

```
DELETE /axapi/v3/overlay-tunnel/vtep/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

vtep-list

vtep-list is **JSON List** of *vtep attributes*

vtep-list : [

{ *vtep attributes* },

{ *vtep attributes* },

...

]

vtep attributes

dest-port

Description Layer-4 Destination Port (Port Number)

Type: number

Range: 1-65535

encap

Description 'ip-encap': Tunnel encapsulation type is IP; 'gre': Tunnel encapsulation type is GRE; 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: ip-encap, gre, nvgre, vxlan

host-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}+{remote-ipv6-vtep}*

id

Description VTEP Identifier

Type: number

Range: 1-190

local-ip-address

Description: local-ip-address is a **JSON Block**. Please see below for *local-ip-address*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address*

local-ipv6-address

Description: local-ipv6-address is a **JSON Block**. Please see below for *local-ipv6-address*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address*

remote-ip-address-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}*

remote-ipv6-address-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}*

sampling-enable

Type: List

src-port-range

Description: src-port-range is a **JSON Block**. Please see below for *src-port-range*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/src-port-range*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

src-port-range

Specification	Value
Type	*object*

max-port

Description Maximum Port Number

Type: number

Range: 1-65535

Default: 65535

min-port

Description Minimum Port Number

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-ip-address

Specification	Value
Type	*object*

ip-address

Description Source Tunnel End Point IPv4 address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}*

local-ip-address_vni-list

Specification	Value
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-ipv6-address

Specification	Value
Type	*object*

ipv6-address

Description Source Tunnel End Point IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni/{segment}*

local-ipv6-address_vni-list

Specification	Value
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cfg_err_count': Config errors; 'flooded_pkt_count': Flooded packet count; 'encap_unresolved_count': Encap unresolved failures; 'unknown_encap_rx_pkt': Encap miss rx pkts; 'unknown_encap_tx_pkt': Encap miss tx pkts; 'arp_req_sent': Arp request sent; 'vtep_host_learned': Hosts learned; 'vtep_host_learn_error': Host learn error; 'invalid_lif_rx': Invalid Lif pkts in; 'invalid_lif_tx': Invalid Lif pkts out; 'unknown_vtep_tx': Vtep unknown tx; 'unknown_vtep_rx': Vtep Unkown rx; 'unhandled_pkt_rx': Unhandled packets in; 'unhandled_pkt_tx': Unhandled packets out; 'total_pkts_rx': Total packets out; 'total_bytes_rx': Total packet bytes in; 'unicast_pkt_rx': Total unicast packets in; 'bcast_pkt_rx': Total broadcast packets in; 'mcast_pkt_rx': Total multicast packets in; 'dropped_pkt_rx': Dropped received packets; 'encap_miss_pkts_rx': Encap missed in received packets; 'bad_chksum_pks_rx': Bad checksum in received packets; 'requeue_pkts_in': Requeued packets in; 'pkts_out': Packets out; 'total_bytes_tx': Packet bytes out; 'unicast_pkt_tx': Unicast packets out; 'bcast_pkt_tx': Broadcast packets out; 'mcast_pkt_tx': Multicast packets out; 'dropped_pkts_tx': Dropped packets out; 'large_pkts_rx': Too large packets in; 'dot1q_pkts_rx': Dot1q packets in; 'frag_pkts_tx': Frag packets out; 'reassembled_pkts_rx': Reassembled packets in; 'bad_inner_ipv4_len_rx': bad inner ipv4 packet len; 'bad_inner_ipv6_len_rx': Bad inner ipv6 packet len; 'frag_drop_pkts_tx': Frag dropped packets out; 'lif_un_init_rx': Lif uninitialized packets in;

Type: string

Supported Values: all, cfg_err_count, flooded_pkt_count, encap_unresolved_count, unknown_encap_rx_pkt, unknown_encap_tx_pkt, arp_req_sent, vtep_host_learned, vtep_host_learn_error, invalid_lif_rx, invalid_lif_tx, unknown_vtep_tx, unknown_vtep_rx, unhandled_pkt_rx, unhandled_pkt_tx, total_pkts_rx, total_bytes_rx, unicast_pkt_rx, bcast_pkt_rx, mcast_pkt_rx, dropped_pkt_rx, encap_miss_pkts_rx, bad_chksum_pks_rx, requeue_pkts_in, pkts_out, total_bytes_tx, unicast_pkt_tx, bcast_pkt_tx, mcast_pkt_tx, dropped_pkts_tx, large_pkts_rx, dot1q_pkts_rx, frag_pkts_tx, reassembled_pkts_rx, bad_inner_ipv4_len_rx, bad_inner_ipv6_len_rx, frag_drop_pkts_tx, lif_un_init_rx

remote-ip-address-list

Specification	Value
Type	*list*
Block object keys	

class-list

Description Name of the class-list

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: nvgre, vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *remote-ip-address-list_gre-keepalive*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive*

ip-address

Description IP Address of the remote VTEP

Type: string

Format: ipv4-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *remote-ip-address-list_use-gre-key*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *remote-ip-address-list_use-lif*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}*

remote-ip-address-list_gre-keepalive

Specification	Value
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ip-address-list_use-lif

Specification	Value
Type	*object*

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ip-address-list_vni-list

Specification	Value
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ip-address-list_use-gre-key

Specification	Value
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ipv6-address-list

Specification	Value
Type	*list*
Block object keys	

class-list

Description Name of the class-list

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

encap

Description 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *remote-ipv6-address-list_gre-keepalive*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive*

ipv6-address

Description IPv6 Address of the remote VTEP

Type: string

Format: ipv6-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *remote-ipv6-address-list_use-gre-key*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *remote-ipv6-address-list_use-lif*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni/{segment}*

remote-ipv6-address-list_gre-keepalive

Specification	Value
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ipv6-address-list_use-lif

Specification	Value
Type	*object*

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ipv6-address-list_vni-list

Specification	Value
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote-ipv6-address-list_use-gre-key

Specification	Value
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list

Specification	Value
Type	*list*
Block object keys	

ip-addr

Description IPv4 address of the overlay host

Type: string

Format: ipv4-address

ipv6-addr

Description IPv6 address of the overlay host

Type: string

Format: ipv6-address

overlay-mac-addr

Description MAC Address of the overlay host

Type: string

Format: mac-address

remote-ipv6-vtep

Description Configure the VTEP IPv6 address (IPv6 address of the VTEP for the remote host)

Type: string

Format: ipv6-address

remote-vtep

Description Configure the VTEP IP address (IPv4 address of the VTEP for the remote host)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni

Description Configure the segment id (VNI of the remote host)

Type: number

Range: 1-16777215

2.90.7 overlay-tunnel vtep host

IP Address of the local tunnel end point

host Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-addr, overlay-mac-addr, vni, remote-vtep, remote-ipv6-vtep*
Collection Name	*host-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/host
Element Name	host
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}+{remote-ipv6-vtep}
Element Attributes	host_attributes
Partition Visibility	shared
Schema	`host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/host

host attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/host

host attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}+{remote-ipv6-vtep}

host attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/host

host-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}+{remote-ipv6-vtep}

host attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}+{remote-ipv6-vtep}

host attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/host

host-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/host/{ip-addr}+{overlay-mac-addr}+{vni}+{remote-vtep}+{remote-ipv6-vtep}

host attributes

host-list

host-list is **JSON List** of *host attributes*

host-list : [

{ *host attributes* },

{ *host attributes* },

...

]

host attributes

ip-addr

Description IPv4 address of the overlay host

Type: string

Format: ipv4-address

ipv6-addr

Description IPv6 address of the overlay host

Type: string

Format: ipv6-address

overlay-mac-addr

Description MAC Address of the overlay host

Type: string

Format: mac-address

remote-ipv6-vtep

Description Configure the VTEP IPv6 address (IPv6 address of the VTEP for the remote host)

Type: string

Format: ipv6-address

remote-vtep

Description Configure the VTEP IP address (IPv4 address of the VTEP for the remote host)

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni

Description Configure the segment id (VNI of the remote host)

Type: number

Range: 1-16777215

2.90.8 overlay-tunnel vtep local-ip-address

IP Address of the local tunnel end point

local-ip-address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	local-ip-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address
Element Attributes	local-ip-address_attributes
Partition Visibility	shared
Schema	`local-ip-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

```
POST /axapi/v3/overlay-tunnel/vtep/1/local-ip-address
Payload:
{
    "local-ip-address": {
        "ip-address": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

```
GET /axapi/v3/overlay-tunnel/vtep/1/local-ip-address
Reponse:
{
    "local-ip-address": {
        "ip-address": "3.3.3.3",
        "uuid": "0690cf34-09ab-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/overlay-tunnel/vtep/1/local-ip-address"
    }
}
```

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address

local-ip-address attributes

local-ip-address attributes

ip-address

Description Source Tunnel End Point IPv4 address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}*

vni-list

Specification	Value
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.9 overlay-tunnel vtep local-ip-address vni

IP Address of the local tunnel end point

vni Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*segment*
Collection Name	*vni-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni
Element Name	vni
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}
Element Attributes	vni_attributes
Partition Visibility	shared
Schema	`vni schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni

vni attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni

vni attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}

vni attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni

vni-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}

vni attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}

vni attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni

vni-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/local-ip-address/vni/{segment}

vni attributes

vni-list

vni-list is **JSON List** of *vni attributes*

vni-list : [

{ *vni attributes* },

{ *vni attributes* },

...

]

vni attributes

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.10 overlay-tunnel vtep local-ipv6-address

IP Address of the local tunnel end point

local-ipv6-address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	local-ipv6-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address
Element Attributes	local-ipv6-address_attributes
Partition Visibility	shared
Schema	`local-ipv6-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

```
POST /axapi/v3/overlay-tunnel/vtep/1/local-ipv6-address
Payload:
{
    "local-ipv6-address": {
        "ipv6-address": "2003::1"
    }
}
```

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

```
GET /axapi/v3/overlay-tunnel/vtep/1/local-ipv6-address
Reponse:
{
    "local-ipv6-address": {
        "ipv6-address": "2003::1",
        "uuid": "6118680e-09ab-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/overlay-tunnel/vtep/1/local-ipv6-address"
    }
}
```

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address

local-ipv6-address attributes

local-ipv6-address attributes

ipv6-address

Description Source Tunnel End Point IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni/{segment}*

vni-list

Specification	Value
Type	*list*
Block object keys	

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.11 overlay-tunnel vtep local-ipv6-address vni

IP Address of the local tunnel end point

vni Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*segment*
Collection Name	*vni-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni
Element Name	vni
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni/{segment}
Element Attributes	vni_attributes
Partition Visibility	shared
Schema	`vni schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni

vni attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni

vni attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni/{segment}

vni attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni

vni-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni/{segment}

vni attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni/{segment}

vni attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni

vni-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/local-ipv6-address/vni/{segment}

vni attributes

vni-list

vni-list is **JSON List** of *vni attributes*

vni-list : [

{ *vni attributes* },

{ *vni attributes* },

...

]

vni attributes

gateway

Description This is a Gateway segment id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

segment

Description Id of the segment that is being extended

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.12 overlay-tunnel vtep remote-ip-address

Configure remote tunnel end point parameters

remote-ip-address Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ip-address*
Collection Name	*remote-ip-address-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address
Element Name	remote-ip-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}
Element Attributes	remote-ip-address_attributes
Partition Visibility	shared
Schema	`remote-ip-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address

remote-ip-address attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address

remote-ip-address attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}

remote-ip-address attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address

remote-ip-address-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}

remote-ip-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}

remote-ip-address attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address

remote-ip-address-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}

remote-ip-address attributes

remote-ip-address-list

remote-ip-address-list is **JSON List** of *remote-ip-address attributes*

remote-ip-address-list : [

{ *remote-ip-address attributes* },

{ *remote-ip-address attributes* },

...

]

remote-ip-address attributes

class-list

Description Name of the class-list

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

encap

Description 'nvgre': Tunnel Encapsulation Type is NVGRE; 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: nvgre, vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *gre-keepalive*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive*

ip-address

Description IP Address of the remote VTEP

Type: string

Format: ipv4-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *use-gre-key*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *use-lif*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}*

gre-keepalive

Specification	Value
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-lif

Specification	Value
Type	*object*

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Specification	Value
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-gre-key

Specification	Value
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.13 overlay-tunnel vtep remote-ip-address gre-keepalive

Specify the gre keepalive

gre-keepalive Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	gre-keepalive
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive
Element Attributes	gre-keepalive_attributes
Partition Visibility	shared
Schema	`gre-keepalive schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/gre-keepalive

gre-keepalive attributes

gre-keepalive attributes

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.14 overlay-tunnel vtep remote-ip-address use-gre-key

Specify the gre key

use-gre-key Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	use-gre-key
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key
Element Attributes	use-gre-key_attributes
Partition Visibility	shared
Schema	`use-gre-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-gre-key

use-gre-key attributes

use-gre-key attributes

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.15 overlay-tunnel vtep remote-ip-address use-lif

Specify the interface lif

use-lif Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	use-lif
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif
Element Attributes	use-lif_attributes
Partition Visibility	shared
Schema	`use-lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/use-lif

use-lif attributes

use-lif attributes

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.16 overlay-tunnel vtep remote-ip-address vni

Virtual Segment Id configured on the remote VTEP

vni Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*segment*
Collection Name	*vni-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni
Element Name	vni
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}
Element Attributes	vni_attributes
Partition Visibility	shared
Schema	`vni schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni

vni attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni

vni attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}

vni attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni

vni-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}

vni attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}

vni attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni

vni-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ip-address/{ip-address}/vni/{segment}

vni attributes

vni-list

vni-list is **JSON List** of *vni attributes*

vni-list : [

{ *vni attributes* },

{ *vni attributes* },

...

]

vni attributes

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.17 overlay-tunnel vtep remote-ipv6-address

Configure remote tunnel end point parameters

remote-ipv6-address Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-address*
Collection Name	*remote-ipv6-address-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address
Element Name	remote-ipv6-address
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}
Element Attributes	remote-ipv6-address_attributes
Partition Visibility	shared
Schema	`remote-ipv6-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address

remote-ipv6-address attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address

remote-ipv6-address attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}

remote-ipv6-address attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address

remote-ipv6-address-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}

remote-ipv6-address attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}

remote-ipv6-address attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address

remote-ipv6-address-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}

remote-ipv6-address attributes

remote-ipv6-address-list

remote-ipv6-address-list is **JSON List** of *remote-ipv6-address attributes*

remote-ipv6-address-list : [

{ *remote-ipv6-address attributes* },

{ *remote-ipv6-address attributes* },

...

]

remote-ipv6-address attributes

class-list

Description Name of the class-list

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

encap

Description 'vxlan': Tunnel Encapsulation Type is VXLAN;

Type: string

Supported Values: vxlan

gre-keepalive

Description: gre-keepalive is a **JSON Block**. Please see below for *gre-keepalive*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive*

ipv6-address

Description IPv6 Address of the remote VTEP

Type: string

Format: ipv6-address

use-gre-key

Description: use-gre-key is a **JSON Block**. Please see below for *use-gre-key*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key*

use-lif

Description: use-lif is a **JSON Block**. Please see below for *use-lif*

Type: Object

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Type: List

Reference Object: */axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni/{segment}*

gre-keepalive

Specification	Value
Type	*object*

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-lif

Specification	Value
Type	*object*

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vni-list

Specification	Value
Type	*list*
Block object keys	

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

use-gre-key

Specification	Value
Type	*object*

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.18 overlay-tunnel vtep remote-ipv6-address gre-keepalive

Specify the gre keepalive

gre-keepalive Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	gre-keepalive
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive
Element Attributes	gre-keepalive_attributes
Partition Visibility	shared
Schema	`gre-keepalive schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive

gre-keepalive attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive

gre-keepalive attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive

gre-keepalive attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive

gre-keepalive attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/gre-keepalive

gre-keepalive attributes

gre-keepalive attributes

retry-count

Description Keepalive multiplier

Type: number

Range: 2-100

retry-time

Description Keepalive retry interval in seconds

Type: number

Range: 1-60

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.19 overlay-tunnel vtep remote-ipv6-address use-gre-key

Specify the gre key

use-gre-key Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	use-gre-key
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key
Element Attributes	use-gre-key_attributes
Partition Visibility	shared
Schema	`use-gre-key schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key

use-gre-key attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key

use-gre-key attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key

use-gre-key attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key

use-gre-key attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-gre-key

use-gre-key attributes

use-gre-key attributes

gre-key

Description key

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.20 overlay-tunnel vtep remote-ipv6-address use-lif

Specify the interface lif

use-lif Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	use-lif
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif
Element Attributes	use-lif_attributes
Partition Visibility	shared
Schema	`use-lif schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/use-lif

use-lif attributes

use-lif attributes

lif

Description Logical interface (logical interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

partition

Description Name of the Partition with the L2 segment being extended (Name of the User Partition with the L2 segment being extended)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.21 overlay-tunnel vtep remote-ipv6-address vni

Virtual Segment Id configured on the remote VTEP

vni Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*segment*
Collection Name	*vni-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni
Element Name	vni
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni/{segment}
Element Attributes	vni_attributes
Partition Visibility	shared
Schema	`vni schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni

vni attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni

vni attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni/{segment}

vni attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni

vni-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni/{segment}

vni attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni/{segment}

vni attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni

vni-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/remote-ipv6-address/{ipv6-address}/vni/{segment}

vni attributes

vni-list

vni-list is **JSON List** of *vni attributes*

vni-list : [

{ *vni attributes* },

{ *vni attributes* },

...

]

vni attributes

segment

Description VNI configured for the remote VTEP

Type: number

Range: 1-16777215

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.22 overlay-tunnel vtep src-port-range

Layer-4 Source Port Range

src-port-range Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	src-port-range
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/src-port-range
Element Attributes	src-port-range_attributes
Partition Visibility	shared
Schema	`src-port-range schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/src-port-range

src-port-range attributes

```
POST /axapi/v3/overlay-tunnel/vtep/1/src-port-range
Payload:
{
    "src-port-range": {
        "min-port": 1,
        "max-port": 1
    }
}
```

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/src-port-range

src-port-range attributes

```
GET /axapi/v3/overlay-tunnel/vtep/1/src-port-range
Reponse:
{
    "src-port-range": {
        "min-port": 1,
        "max-port": 1,
        "uuid": "ebec5afc-09ac-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/overlay-tunnel/vtep/1/src-port-range"
    }
}
```

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/src-port-range

src-port-range attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/src-port-range

src-port-range attributes

```
PUT /axapi/v3/overlay-tunnel/vtep/1/src-port-range
Payload:
{
    "src-port-range": {
        "min-port": 1,
        "max-port": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/src-port-range

src-port-range attributes

```
DELETE /axapi/v3/overlay-tunnel/vtep/1/src-port-range
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

src-port-range attributes

max-port

Description Maximum Port Number

Type: number

Range: 1-65535

Default: 65535

min-port

Description Minimum Port Number

Type: number

Range: 1-65535

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.90.23 overlay-tunnel vtep stats

Statistics for the object vtep

vtep Specification

Parameter	Value
Type	*Collection*
Collection Name	*vtep-list*
Collection URI	/axapi/v3/overlay-tunnel/vtep/{id}
Element Name	vtep
Element URI	/axapi/v3/overlay-tunnel/vtep/{id}/stats
Element Attributes	vtep_attributes
Partition Visibility	None
Schema	`vtep schema`

Operations Allowed:

Create Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

Create List

POST

/axapi/v3/overlay-tunnel/vtep/{id}

vtep attributes

Get Object

GET

/axapi/v3/overlay-tunnel/vtep/{id}/stats

vtep attributes

Get List

GET

/axapi/v3/overlay-tunnel/vtep/{id}

vtep-list

Modify Object

POST

/axapi/v3/overlay-tunnel/vtep/{id}/stats

vtep attributes

Replace Object

PUT

/axapi/v3/overlay-tunnel/vtep/{id}/stats

vtep attributes

Replace List

PUT

/axapi/v3/overlay-tunnel/vtep/{id}

vtep-list

Delete Object

DELETE

/axapi/v3/overlay-tunnel/vtep/{id}/stats

vtep attributes

vtep-list

vtep-list is **JSON List** of *vtep attributes*

vtep-list : [

{ *vtep attributes* },

{ *vtep attributes* },

…

]

vtep attributes

id

Description VTEP Identifier

Type: number

Range: 1-190

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

arp_req_sent

Description Arp request sent

Type: number

Format: counter

bad_chksum_pks_rx

Description Bad checksum in received packets

Type: number

Format: counter

bad_inner_ipv4_len_rx

Description bad inner ipv4 packet len

Type: number

Format: counter

bad_inner_ipv6_len_rx

Description Bad inner ipv6 packet len

Type: number

Format: counter

bcast_pkt_rx

Description Total broadcast packets in

Type: number

Format: counter

bcast_pkt_tx

Description Broadcast packets out

Type: number

Format: counter

cfg_err_count

Description Config errors

Type: number

Format: counter

dot1q_pkts_rx

Description Dot1q packets in

Type: number

Format: counter

dropped_pkt_rx

Description Dropped received packets

Type: number

Format: counter

dropped_pkts_tx

Description Dropped packets out

Type: number

Format: counter

encap_miss_pkts_rx

Description Encap missed in received packets

Type: number

Format: counter

encap_unresolved_count

Description Encap unresolved failures

Type: number

Format: counter

flooded_pkt_count

Description Flooded packet count

Type: number

Format: counter

frag_drop_pkts_tx

Description Frag dropped packets out

Type: number

Format: counter

frag_pkts_tx

Description Frag packets out

Type: number

Format: counter

invalid_lif_rx

Description Invalid Lif pkts in

Type: number

Format: counter

invalid_lif_tx

Description Invalid Lif pkts out

Type: number

Format: counter

large_pkts_rx

Description Too large packets in

Type: number

Format: counter

lif_un_init_rx

Description Lif uninitialized packets in

Type: number

Format: counter

mcast_pkt_rx

Description Total multicast packets in

Type: number

Format: counter

mcast_pkt_tx

Description Multicast packets out

Type: number

Format: counter

pkts_out

Description Packets out

Type: number

Format: counter

reassembled_pkts_rx

Description Reassembled packets in

Type: number

Format: counter

requeue_pkts_in

Description Requeued packets in

Type: number

Format: counter

total_bytes_rx

Description Total packet bytes in

Type: number

Format: counter

total_bytes_tx

Description Packet bytes out

Type: number

Format: counter

total_pkts_rx

Description Total packets out

Type: number

Format: counter

unhandled_pkt_rx

Description Unhandled packets in

Type: number

Format: counter

unhandled_pkt_tx

Description Unhandled packets out

Type: number

Format: counter

unicast_pkt_rx

Description Total unicast packets in

Type: number

Format: counter

unicast_pkt_tx

Description Unicast packets out

Type: number

Format: counter

unknown_encap_rx_pkt

Description Encap miss rx pkts

Type: number

Format: counter

unknown_encap_tx_pkt

Description Encap miss tx pkts

Type: number

Format: counter

unknown_vtep_rx

Description Vtep Unkown rx

Type: number

Format: counter

unknown_vtep_tx

Description Vtep unknown tx

Type: number

Format: counter

vtep_host_learn_error

Description Host learn error

Type: number

Format: counter

vtep_host_learned

Description Hosts learned

Type: number

Format: counter

2.91 partition

Objects:

2.91.1 partition

Create/unload a Network partition

partition Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*partition-name*
Collection Name	*partition-list*
Collection URI	/axapi/v3/partition
Element Name	partition
Element URI	/axapi/v3/partition/{partition-name}
Element Attributes	partition_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/partition/{partition-name}/stats
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition

partition attributes

```
POST /axapi/v3/partition/
Payload:
{
    "partition": {
        "partition-name": "a",
        "id": 1
    }
}
```

Create List

POST

/axapi/v3/partition

partition attributes

Get Object

GET

/axapi/v3/partition/{partition-name}

partition attributes

```
GET /axapi/v3/partition/a
Reponse:
{
    "partition": {
        "partition-name": "a",
        "id": 1,
        "uuid": "49c95156-b6cf-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/partition/a"
    }
}
```

Get List

GET

/axapi/v3/partition

partition-list

Modify Object

POST

/axapi/v3/partition/{partition-name}

partition attributes

Delete Object

DELETE

/axapi/v3/partition/{partition-name}

partition attributes

```
DELETE /axapi/v3/partition/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

partition-list

partition-list is **JSON List** of *partition attributes*

partition-list : [

{ *partition attributes* },

{ *partition attributes* },

...

]

partition attributes

application-type

Description 'adc': Application type ADC; 'cgnv6': Application type CGNv6;

Type: string

Supported Values: adc, cgnv6

id

Description Specify unique Partition id

Type: number

partition-name

Description Object partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

shared-vlan

Description: shared-vlan is a **JSON Block**. Please see below for *shared-vlan*

Type: Object

Reference Object: */axapi/v3/partition/{partition-name}/shared-vlan*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Reference Object: */axapi/v3/partition/{partition-name}/template*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shared-vlan

Specification	Value
Type	*object*

allowable-ip-range

Type: List

allowable-ipv6-range

Type: List

mgmt-floating-ip-address

Description IPv4 Address for Shared VLAN Mgmt IP Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description

Type: number

Range: 2-4094

vrid

Description Specify VRRP-A vrid

Type: number

Range: 0-31

template

Specification	Value
Type	*object*

resource-accounting

Description Attach a resource accounting template (Name of the template)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.91.2 partition shared-vlan

Enable shared-vlan feature in Network partition

shared-vlan Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	shared-vlan
Element URI	/axapi/v3/partition/{partition-name}/shared-vlan
Element Attributes	shared-vlan_attributes
Partition Visibility	shared
Schema	`shared-vlan schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

```
POST /axapi/v3/partition/aa/shared-vlan
Payload:
{
    "shared-vlan": {
        "vlan": 2
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

Modify Object

POST

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

Replace Object

PUT

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

Delete Object

DELETE

/axapi/v3/partition/{partition-name}/shared-vlan

shared-vlan attributes

shared-vlan attributes

allowable-ip-range

Type: List

allowable-ipv6-range

Type: List

mgmt-floating-ip-address

Description IPv4 Address for Shared VLAN Mgmt IP Address

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan

Description

Type: number

Range: 2-4094

vrid

Description Specify VRRP-A vrid

Type: number

Range: 0-31

2.91.3 partition stats

Statistics for the object partition

partition Specification

Parameter	Value
Type	*Collection*
Collection Name	*partition-list*
Collection URI	/axapi/v3/partition/{partition-name}
Element Name	partition
Element URI	/axapi/v3/partition/{partition-name}/stats
Element Attributes	partition_attributes
Partition Visibility	None
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition/{partition-name}

partition attributes

Create List

POST

/axapi/v3/partition/{partition-name}

partition attributes

Get Object

GET

/axapi/v3/partition/{partition-name}/stats

partition attributes

Get List

GET

/axapi/v3/partition/{partition-name}

partition-list

Modify Object

POST

/axapi/v3/partition/{partition-name}/stats

partition attributes

Delete Object

DELETE

/axapi/v3/partition/{partition-name}/stats

partition attributes

partition-list

partition-list is **JSON List** of *partition attributes*

partition-list : [

{ *partition attributes* },

{ *partition attributes* },

...

]

partition attributes

partition-name

Description Object partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

stats

Type: Object

2.91.4 partition template

Attach a template to the partition

template Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	template
Element URI	/axapi/v3/partition/{partition-name}/template
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition/{partition-name}/template

template attributes

```
POST /axapi/v3/partition/aa/template
Payload:
{
    "template": {
        "resource-accounting": "a"
    }
}
```

Get Object

GET

/axapi/v3/partition/{partition-name}/template

template attributes

```
GET /axapi/v3/partition/aa/template
Reponse:
{
    "template": {
        "resource-accounting": "a",
        "uuid": "a0f6e8ac-b6d0-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/partition/aa/template"
    }
}
```

Modify Object

POST

/axapi/v3/partition/{partition-name}/template

template attributes

Replace Object

PUT

/axapi/v3/partition/{partition-name}/template

template attributes

```
PUT /axapi/v3/partition/aa/template
Payload:
{
    "template": {
        "resource-accounting": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/partition/{partition-name}/template

template attributes

template attributes

resource-accounting

Description Attach a resource accounting template (Name of the template)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.92 partition-admin

Objects:

2.92.1 partition-admin

Partition admin user configuration

partition-admin Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*user*
Collection Name	*partition-admin-list*
Collection URI	/axapi/v3/partition-admin
Element Name	partition-admin
Element URI	/axapi/v3/partition-admin/{user}
Element Attributes	partition-admin_attributes
Partition Visibility	private
Schema	`partition-admin schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition-admin

partition-admin attributes

Create List

POST

/axapi/v3/partition-admin

partition-admin attributes

Get Object

GET

/axapi/v3/partition-admin/{user}

partition-admin attributes

Get List

GET

/axapi/v3/partition-admin

partition-admin-list

Modify Object

POST

/axapi/v3/partition-admin/{user}

partition-admin attributes

Replace Object

PUT

/axapi/v3/partition-admin/{user}

partition-admin attributes

Replace List

PUT

/axapi/v3/partition-admin

partition-admin-list

Delete Object

DELETE

/axapi/v3/partition-admin/{user}

partition-admin attributes

partition-admin-list

partition-admin-list is **JSON List** of *partition-admin attributes*

partition-admin-list : [

{ *partition-admin attributes* },

{ *partition-admin attributes* },

…

]

partition-admin attributes

access-type

Description

Type: string

Format: enum-list

Default: axapi,cli,web

action

Description 'enable': Enable user; 'disable': Disable user;

Type: string

Supported Values: enable, disable

Default: enable

encrypted

Description Specify an ENCRYPTED password string (User password)

passwd-string

Description Config user password

Type: string

Format: password

privilege-partition

Description 'partition-enable-disable': Set per-partition enable/disable privilege; 'partition-read': Set per-partition read privilege; 'partition-write': Set per-partition write privilege;

Type: string

Supported Values: partition-enable-disable, partition-read, partition-write

Default: partition-read

trusted-host

Description Set trusted network administrator can login in

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trusted-host-cidr

Description Trusted IP Address with network mask

Type: string

Format: ipv4-cidr

user

Description Partition admin user name

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.93 partition-all

Objects:

2.93.1 partition-all

Display all partitions in the system

partition-all Specification

Parameter	Value
Type	*operational*
Element Name	partition-all
Element URI	/axapi/v3/partition-all
Element Attributes	partition-all_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/partition-all/oper
Schema	`partition-all schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/partition-all

partition-all attributes

partition-all attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.93.2 partition-all oper

Operational Status for the object partition-all

partition-all Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	partition-all
Element URI	/axapi/v3/partition-all/oper
Element Attributes	partition-all_attributes
Partition Visibility	None
Schema	`partition-all schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition-all/oper

partition-all attributes

Get Object

GET

/axapi/v3/partition-all/oper

partition-all attributes

Modify Object

POST

/axapi/v3/partition-all/oper

partition-all attributes

Replace Object

PUT

/axapi/v3/partition-all/oper

partition-all attributes

Delete Object

DELETE

/axapi/v3/partition-all/oper

partition-all attributes

partition-all attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

active-partition-count

Description

Type: number

manageable

Description

Type: boolean

Supported Values: true, false, 1, 0

partition-list

Type: List

oper_partition-list

Specification	Value
Type	*list*
Block object keys	

admin-Count

Description

Type: number

app-Type

Description

Type: string

parent-l3v

Description

Type: string

partition-id

Description

Type: number

partition-name

Description

Type: string

partition-type

Description

Type: string

status

Description

Type: string

2.94 partition-available-id

Objects:

2.94.1 partition-available-id

Display the available id can be used to create partition

partition-available-id Specification

Parameter	Value
Type	*operational*
Element Name	partition-available-id
Element URI	/axapi/v3/partition-available-id
Element Attributes	partition-available-id_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/partition-available-id/oper
Schema	`partition-available-id schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/partition-available-id

partition-available-id attributes

partition-available-id attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.94.2 partition-available-id oper

Operational Status for the object partition-available-id

partition-available-id Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	partition-available-id
Element URI	/axapi/v3/partition-available-id/oper
Element Attributes	partition-available-id_attributes
Partition Visibility	None
Schema	`partition-available-id schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition-available-id/oper

partition-available-id attributes

Get Object

GET

/axapi/v3/partition-available-id/oper

partition-available-id attributes

Modify Object

POST

/axapi/v3/partition-available-id/oper

partition-available-id attributes

Replace Object

PUT

/axapi/v3/partition-available-id/oper

partition-available-id attributes

Delete Object

DELETE

/axapi/v3/partition-available-id/oper

partition-available-id attributes

partition-available-id attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

range-list

Type: List

oper_range-list

Specification	Value
Type	*list*
Block object keys	

end

Description

Type: string

start

Description

Type: string

2.95 partition-group

Objects:

2.95.1 partition-group

Modify a partition group

partition-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*partition-group-name*
Collection Name	*partition-group-list*
Collection URI	/axapi/v3/partition-group
Element Name	partition-group
Element URI	/axapi/v3/partition-group/{partition-group-name}
Element Attributes	partition-group_attributes
Partition Visibility	shared
Schema	`partition-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/partition-group

partition-group attributes

Create List

POST

/axapi/v3/partition-group

partition-group attributes

Get Object

GET

/axapi/v3/partition-group/{partition-group-name}

partition-group attributes

Get List

GET

/axapi/v3/partition-group

partition-group-list

Modify Object

POST

/axapi/v3/partition-group/{partition-group-name}

partition-group attributes

Replace Object

PUT

/axapi/v3/partition-group/{partition-group-name}

partition-group attributes

Replace List

PUT

/axapi/v3/partition-group

partition-group-list

Delete Object

DELETE

/axapi/v3/partition-group/{partition-group-name}

partition-group attributes

partition-group-list

partition-group-list is **JSON List** of *partition-group attributes*

partition-group-list : [

{ *partition-group attributes* },

{ *partition-group attributes* },

...

]

partition-group attributes

member-list

Type: List

partition-group-name

Description Partition Group Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list

Specification	Value
Type	*list*
Block object keys	

member

Description Partition Name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

2.96 pki

Objects:

2.96.1 pki

PKI Commands

pki Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	pki
Element URI	/axapi/v3/pki
Element Attributes	pki_attributes
Partition Visibility	shared
Schema	`pki schema`

Operations Allowed:

Get Object

GET

/axapi/v3/pki

pki_attributes

pki attributes

acme-cert-list

Type: List

Reference Object: */axapi/v3/pki/acme-cert/{name}*

acme-concurrent-process-count

Description: acme-concurrent-process-count is a **JSON Block**. Please see below for *acme-concurrent-process-count*

Type: Object

Reference Object: */axapi/v3/pki/acme-concurrent-process-count*

ca-cert

Description: ca-cert is a **JSON Block**. Please see below for *ca-cert*

Type: Object

Reference Object: */axapi/v3/pki/ca-cert*

cert

Description: cert is a **JSON Block**. Please see below for *cert*

Type: Object

Reference Object: */axapi/v3/pki/cert*

cert-stats

Description: cert-stats is a **JSON Block**. Please see below for *cert-stats*

Type: Object

Reference Object: */axapi/v3/pki/cert-stats*

cmp-cert-list

Type: List

Reference Object: */axapi/v3/pki/cmp-cert/{name}*

copy-cert

Description: copy-cert is a **JSON Block**. Please see below for *copy-cert*

Type: Object

Reference Object: */axapi/v3/pki/copy-cert*

copy-key

Description: copy-key is a **JSON Block**. Please see below for *copy-key*

Type: Object

Reference Object: */axapi/v3/pki/copy-key*

create-oper

Description: create-oper is a **JSON Block**. Please see below for *create-oper*

Type: Object

Reference Object: */axapi/v3/pki/create-oper*

delete

Description: delete is a **JSON Block**. Please see below for *delete*

Type: Object

Reference Object: */axapi/v3/pki/delete*

delete-oper

Description: delete-oper is a **JSON Block**. Please see below for *delete-oper*

Type: Object

Reference Object: */axapi/v3/pki/delete-oper*

placeholder

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scep-cert-list

Type: List

Reference Object: */axapi/v3/pki/scep-cert/{name}*

ssli

Description: ssli is a **JSON Block**. Please see below for *ssli*

Type: Object

Reference Object: */axapi/v3/pki/ssli*

ssli

Specification	Value
Type	*object*

generate

Description: generate is a **JSON Block**. Please see below for *ssli_generate*

Type: Object

Reference Object: */axapi/v3/pki/ssli/generate*

revoke

Description: revoke is a **JSON Block**. Please see below for *ssli_revoke*

Type: Object

Reference Object: */axapi/v3/pki/ssli/revoke*

ssli_revoke

Specification	Value
Type	*object*

port

Description port number

Type: number

Range: 0-65534

serial

Description Serial number in hex

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

ssli_generate

Specification	Value
Type	*object*

crl

Description: crl is a **JSON Block**. Please see below for *ssli_generate_crl*

Type: Object

Reference Object: */axapi/v3/pki/ssli/generate/crl*

ssli_generate_crl

Specification	Value
Type	*object*

port

Description port number

Type: number

Range: 0-65534

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

cert-stats

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cmp-cert-list

Specification	Value
Type	*list*
Block object keys	

allow-unprotected-errors

Description Accept missing or invalid protection of negative responses(CA likes EJCBA tends to not protect negative responses)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-type

Description Specify the type of certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cmp-trusted-ca

Description The specific CA to trust while verifying signature of CMP response message

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

cmp-trusted-cert

Description The specific CMP server certificate to use and directly trust when verifying signature of CMP response message

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ec-key-length

Description '256': Key size 256 bits; '384': Key size 384 bits(default);

Type: string

Supported Values: 256, 384

Default: 384

ecdsa-type

Description ECDSA certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ecdsa-type and rsa-type are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

enroll

Description Initiates enrollment of device with the CA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description Level for logging output of CMP commands(default 1 and detailed 2)

Type: number

Range: 1-2

Default: 1

max-polltime

Description Maximum time in seconds a(n) enrollment/key update may take (default 120)

Type: number

Range: 5-1024

Default: 120

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

recipient-dn

Description Distinguished Name of the CMP message recipient, i.e., the CMP server (usually a CA or RA entity)) (DN OIDis case sensitive)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 2 characters

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

rsa-key-length

Description '1024': Key size 1024 bits; '2048': Key size 2048 bits(default); '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 1024, 2048, 4096, 8192

Default: 2048

rsa-type

Description RSA certificate (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rsa-type and ecdsa-type are mutually exclusive

secret

Description Specify the pre-shared secret used to enroll the device's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description pre-shared secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

subject-alternate-name

Description: subject-alternate-name is a **JSON Block**. Please see below for *cmp-cert-list_subject-alternate-name*

Type: Object

subject-dn

Description Distinguished Name to use while enrolling the certificate(For EJBCA CA, this is the subject DN of an End Entity) (DN OID is case sensitive)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 2 characters

url

Description CMP server's absolute URL(http(s)://host:[port]/path), path is the location to use for the CMP server(aka CMP alias)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cmp-cert-list_subject-alternate-name

Specification	Value
Type	*object*

san-type

Description 'email': Enter e-mail address of the subject; 'dns': Enter hostname of the subject; 'ip': Enter IP address of the subject;

Type: string

Supported Values: email, dn, ip

san-value

Description Value of subject-alternate-name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

copy-key

Specification	Value
Type	*object*

dest-key

Description Destination key file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

overwrite

Description Overwrite the destination file if already present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotation

Description Specify rotation number of SCEP/CMP generated key file

Type: number

Range: 1-4

src-key

Description Source key file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

copy-cert

Specification	Value
Type	*object*

dest-cert

Description Destination certificate file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

overwrite

Description Overwrite the destination file if already present

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotation

Description Specify rotation number of SCEP/CMP generated certificate file

Type: number

Range: 1-4

src-cert

Description Source certificate file

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-cert

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cert

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acme-concurrent-process-count

Specification	Value
Type	*object*

process-num

Description Set the concurrent processes number, the default and the maximum number are dependent on the number of control CPU

Type: number

Range: 1-51

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

delete-oper

Specification	Value
Type	*object*

filename

Description

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

acme-cert-list

Specification	Value
Type	*list*
Block object keys	

acme-client

Description 'agent-v1': Set agent-v1 as the ACME client (default); 'agent-v2': Set agent-v2 as the ACME client;

Type: string

Supported Values: agent-v1, agent-v2

Default: agent-v1

cert-type

Description Specify the type of certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

domain

Description Main domain you want to issue the cert for. CA will verify whether you control this domain

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

eab-hmac-key

Description The HMAC key for ACME External Account Binding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eab-key-id

Description The key identifier for ACME External Account Binding

Type: string

Format: string-rlx

Maximum Length: 256 characters

Maximum Length: 1 characters

ec-key-length

Description '256': Key size 256 bits; '384': Key size 384 bits(default);

Type: string

Supported Values: 256, 384

Default: 384

ecdsa-type

Description ECDSA certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ecdsa-type and rsa-type are mutually exclusive

email

Description A valid email address for your ACME account. CA uses this email to send you expiration or other notices

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

enroll

Description Initiates enrollment with CA. Due to CA rate limit, A10 strongly recommend you set "run-with-staging-server" during test

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force

Description Ignore the next renewal time and force to renew cert

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description Level for logging output of ACME commands(default 1 and detailed 2, including debug messages)

Type: number

Range: 1-2

Default: 1

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

rsa-key-length

Description '2048': Key size 2048 bits(default); '3072': Key size 3072 bits; '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 2048, 3072, 4096, 8192

Default: 2048

rsa-type

Description RSA certificate (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rsa-type and ecdsa-type are mutually exclusive

san-domain

Description Subject-alternate-name dns(s) for your cert, sperated by /

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

secret-string

Description The HMAC key for ACME External Account Binding

Type: string

Format: password

Maximum Length: 256 characters

Maximum Length: 1 characters

staging

Description Run ACME operation with staging server. Due to CA rate limit, A10 strongly recommends you set this during test

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

staging-url

Description ACME staging directory URL. By default, use Let's encrypt as CA server

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

url

Description ACME directory URL. By default, use Let's encrypt as CA server

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify ha VRRP-A vrid. It is used to sync http-01 challenge token

Type: number

Range: 0-31

create-oper

Specification	Value
Type	*object*

bits

Description '256': 256; '384': 384; '1024': 1024; '2048': 2048; '4096': 4096;

Type: string

Supported Values: 256, 384, 1024, 2048, 4096

Default: 1024

cert-type

Description 'rsa': rsa; 'ecdsa': ecdsa;

Type: string

Supported Values: rsa, ecdsa

Default: rsa

common-name

Description

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

country

Description

Type: string

Maximum Length: 3 characters

Maximum Length: 2 characters

csr-generate

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

digest

Description 'sha1': sha1; 'sha256': sha256; 'sha384': sha384; 'sha512': sha512;

Type: string

Supported Values: sha1, sha256, sha384, sha512

Default: sha1

division

Description

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

email

Description

Type: string

Format: email-addr

Maximum Length: 64 characters

Maximum Length: 1 characters

filename

Description

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

locality

Description

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

organization

Description

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rootca

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secured

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

state-province

Description

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

v3-request

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

valid-days

Description

Type: number

Range: 30-3650

Default: 730

scep-cert-list

Specification	Value
Type	*list*
Block object keys	

days

Description Validity of self-signed certificate (default 1825)

Type: number

Range: 1-3650

Default: 1825

dn

Description Specify the Distinguished-Name to use while enrolling the certificate (Format: "cn=user, dc=example, dc=com")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

end-date

Description End date of self-signed certificate in YYMMDDHHMMSS format specified in UTC time

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

enroll

Description Initiates enrollment of device with the CA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Interval time in seconds to poll when SCEP response is PENDING (default 5)

Type: number

Range: 1-3600

Default: 5

key-length

Description '1024': Key size 1024 bits; '2048': Key size 2048 bits(default); '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 1024, 2048, 4096, 8192

Default: 2048

log-level

Description level for logging output of scepclient commands(default 1 and detailed 4)

Type: number

Range: 1-4

Default: 1

max-polltime

Description Maximum time in seconds to poll when SCEP response is PENDING (default 180)

Type: number

Range: 15-432000

Default: 180

method

Description 'GET': GET request; 'POST': POST request;

Type: string

Supported Values: GET, POST

Default: GET

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify the password used to enroll the device's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

start-date

Description Start date of self-signed certificate in YYMMDDHHMMSS format specified in UTC time

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

subject-alternate-name

Description: subject-alternate-name is a **JSON Block**. Please see below for *scep-cert-list_subject-alternate-name*

Type: Object

url

Description Specify the Enrollment Agent's absolute URL (Format: http://host/path)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

scep-cert-list_subject-alternate-name

Specification	Value
Type	*object*

san-type

Description 'email': Enter e-mail address of the subject; 'dns': Enter hostname of the subject; 'ip': Enter IP address of the subject;

Type: string

Supported Values: email, dns, ip

san-value

Description Value of subject-alternate-name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

delete

Specification	Value
Type	*object*

ca

Description CA certificate file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

cert-name

Description Certificate file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

crl

Description CRL file name

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

csr

Description CSR file name

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

private-key

Description Private key file name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

2.96.2 pki acme-cert

ACME Certificate enrollment object

acme-cert Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*acme-cert-list*
Collection URI	/axapi/v3/pki/acme-cert
Element Name	acme-cert
Element URI	/axapi/v3/pki/acme-cert/{name}
Element Attributes	acme-cert_attributes
Partition Visibility	shared
Schema	`acme-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/acme-cert

acme-cert attributes

Create List

POST

/axapi/v3/pki/acme-cert

acme-cert attributes

Get Object

GET

/axapi/v3/pki/acme-cert/{name}

acme-cert attributes

Get List

GET

/axapi/v3/pki/acme-cert

acme-cert-list

Modify Object

POST

/axapi/v3/pki/acme-cert/{name}

acme-cert attributes

Replace Object

PUT

/axapi/v3/pki/acme-cert/{name}

acme-cert attributes

Replace List

PUT

/axapi/v3/pki/acme-cert

acme-cert-list

Delete Object

DELETE

/axapi/v3/pki/acme-cert/{name}

acme-cert attributes

acme-cert-list

acme-cert-list is **JSON List** of *acme-cert attributes*

```
acme-cert-list : [
        { acme-cert attributes },
        { acme-cert attributes },
        ...
    ]
```

acme-cert attributes

acme-client

Description 'agent-v1': Set agent-v1 as the ACME client (default); 'agent-v2': Set agent-v2 as the ACME client;

Type: string

Supported Values: agent-v1, agent-v2

Default: agent-v1

cert-type

Description Specify the type of certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

domain

Description Main domain you want to issue the cert for. CA will verify whether you control this domain

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

eab-hmac-key

Description The HMAC key for ACME External Account Binding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eab-key-id

Description The key identifier for ACME External Account Binding

Type: string

Format: string-rlx

Maximum Length: 256 characters

Maximum Length: 1 characters

ec-key-length

Description '256': Key size 256 bits; '384': Key size 384 bits(default);

Type: string

Supported Values: 256, 384

Default: 384

ecdsa-type

Description ECDSA certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ecdsa-type and rsa-type are mutually exclusive

email

Description A valid email address for your ACME account. CA uses this email to send you expiration or other notices

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

enroll

Description Initiates enrollment with CA. Due to CA rate limit, A10 strongly recommend you set "run-with-staging-server" during test

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

force

Description Ignore the next renewal time and force to renew cert

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description Level for logging output of ACME commands(default 1 and detailed 2, including debug messages)

Type: number

Range: 1-2

Default: 1

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

rsa-key-length

Description '2048': Key size 2048 bits(default); '3072': Key size 3072 bits; '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 2048, 3072, 4096, 8192

Default: 2048

rsa-type

Description RSA certificate (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rsa-type and ecdsa-type are mutually exclusive

san-domain

Description Subject-alternate-name dns(s) for your cert, sperated by /

Type: string

Format: string-rlx

Maximum Length: 2048 characters

Maximum Length: 1 characters

secret-string

Description The HMAC key for ACME External Account Binding

Type: string

Format: password

Maximum Length: 256 characters

Maximum Length: 1 characters

staging

Description Run ACME operation with staging server. Due to CA rate limit, A10 strongly recommends you set this during test

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

staging-url

Description ACME staging directory URL. By default, use Let's encrypt as CA server

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

url

Description ACME directory URL. By default, use Let's encrypt as CA server

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Specify ha VRRP-A vrid. It is used to sync http-01 challenge token

Type: number

Range: 0-31

2.96.3 pki acme-concurrent-process-count

Configure the number of cuncurrent ACME processes

acme-concurrent-process-count Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	acme-concurrent-process-count
Element URI	/axapi/v3/pki/acme-concurrent-process-count
Element Attributes	acme-concurrent-process-count_attributes
Partition Visibility	shared
Schema	`acme-concurrent-process-count schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/acme-concurrent-process-count

acme-concurrent-process-count attributes

Get Object

GET

/axapi/v3/pki/acme-concurrent-process-count

acme-concurrent-process-count attributes

Modify Object

POST

/axapi/v3/pki/acme-concurrent-process-count

acme-concurrent-process-count attributes

Replace Object

PUT

/axapi/v3/pki/acme-concurrent-process-count

acme-concurrent-process-count attributes

Delete Object

DELETE

/axapi/v3/pki/acme-concurrent-process-count

acme-concurrent-process-count attributes

acme-concurrent-process-count attributes

process-num

Description Set the concurrent processes number, the default and the maximum number are dependent on the number of control CPU

Type: number

Range: 1-51

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.96.4 pki ca-cert oper

Operational Status for the object ca-cert

ca-cert Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ca-cert
Element URI	/axapi/v3/pki/ca-cert/oper
Element Attributes	ca-cert_attributes
Partition Visibility	None
Schema	`ca-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/ca-cert/oper

ca-cert attributes

Get Object

GET

/axapi/v3/pki/ca-cert/oper

ca-cert attributes

Modify Object

POST

/axapi/v3/pki/ca-cert/oper

ca-cert attributes

Replace Object

PUT

/axapi/v3/pki/ca-cert/oper

ca-cert attributes

Delete Object

DELETE

/axapi/v3/pki/ca-cert/oper

ca-cert attributes

ca-cert attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

certs

Type: List

exact-match

Description

Type: boolean

Supported Values: true, false, 1, 0

partition

Description

Type: string

sortby-exp

Description

Type: boolean

Supported Values: true, false, 1, 0

sortby-name

Description

Type: boolean

Supported Values: true, false, 1, 0

oper_certs

Specification	Value
Type	*list*
Block object keys	

common-name

Description

Type: string

issuer

Description

Type: string

keysize

Description

Type: number

name

Description

Type: string

notafter

Description

Type: string

notafter-number

Description

Type: number

notbefore

Description

Type: string

organization

Description

Type: string

serial

Description

Type: string

status

Description

Type: string

subject

Description

Type: string

type

Description

Type: string

2.96.5 pki cert oper

Operational Status for the object cert

cert Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cert
Element URI	/axapi/v3/pki/cert/oper
Element Attributes	cert_attributes
Partition Visibility	None
Schema	`cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/cert/oper

cert attributes

Get Object

GET

/axapi/v3/pki/cert/oper

cert attributes

Modify Object

POST

/axapi/v3/pki/cert/oper

cert attributes

Replace Object

PUT

/axapi/v3/pki/cert/oper

cert attributes

Delete Object

DELETE

/axapi/v3/pki/cert/oper

cert attributes

cert attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

certs

Type: List

exact-match

Description

Type: boolean

Supported Values: true, false, 1, 0

partition

Description

Type: string

sortby-exp

Description

Type: boolean

Supported Values: true, false, 1, 0

sortby-name

Description

Type: boolean

Supported Values: true, false, 1, 0

oper_certs

Specification	Value
Type	*list*
Block object keys	

common-name

Description

Type: string

issuer

Description

Type: string

keysize

Description

Type: number

name

Description

Type: string

notafter

Description

Type: string

notafter-number

Description

Type: number

notbefore

Description

Type: string

organization

Description

Type: string

serial

Description

Type: string

status

Description

Type: string

subject

Description

Type: string

type

Description

Type: string

2.96.6 pki cert-stats oper

Operational Status for the object cert-stats

cert-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cert-stats
Element URI	/axapi/v3/pki/cert-stats/oper
Element Attributes	cert-stats_attributes
Partition Visibility	None
Schema	`cert-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/cert-stats/oper

cert-stats attributes

Get Object

GET

/axapi/v3/pki/cert-stats/oper

cert-stats attributes

Modify Object

POST

/axapi/v3/pki/cert-stats/oper

cert-stats attributes

Replace Object

PUT

/axapi/v3/pki/cert-stats/oper

cert-stats attributes

Delete Object

DELETE

/axapi/v3/pki/cert-stats/oper

cert-stats attributes

cert-stats attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ca-cert-count

Description

Type: number

cert-count

Description

Type: number

key-count

Description

Type: number

partition

Description

Type: string

2.96.7 pki cmp-cert

CMP Certificate enrollment object

cmp-cert Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*cmp-cert-list*
Collection URI	/axapi/v3/pki/cmp-cert
Element Name	cmp-cert
Element URI	/axapi/v3/pki/cmp-cert/{name}
Element Attributes	cmp-cert_attributes
Partition Visibility	shared
Schema	`cmp-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/cmp-cert

cmp-cert attributes

Create List

POST

/axapi/v3/pki/cmp-cert

cmp-cert attributes

Get Object

GET

/axapi/v3/pki/cmp-cert/{name}

cmp-cert attributes

Get List

GET

/axapi/v3/pki/cmp-cert

cmp-cert-list

Modify Object

POST

/axapi/v3/pki/cmp-cert/{name}

cmp-cert attributes

Replace Object

PUT

/axapi/v3/pki/cmp-cert/{name}

cmp-cert attributes

Replace List

PUT

/axapi/v3/pki/cmp-cert

cmp-cert-list

Delete Object

DELETE

/axapi/v3/pki/cmp-cert/{name}

cmp-cert attributes

cmp-cert-list

cmp-cert-list is **JSON List** of *cmp-cert attributes*

cmp-cert-list : [

{ *cmp-cert attributes* },

{ *cmp-cert attributes* },

...

]

cmp-cert attributes

allow-unprotected-errors

Description Accept missing or invalid protection of negative responses(CA likes EJCBA tends to not protect negative responses)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-type

Description Specify the type of certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cmp-trusted-ca

Description The specific CA to trust while verifying signature of CMP response message

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

cmp-trusted-cert

Description The specific CMP server certificate to use and directly trust when verifying signature of CMP response message

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ec-key-length

Description '256': Key size 256 bits; '384': Key size 384 bits(default);

Type: string

Supported Values: 256, 384

Default: 384

ecdsa-type

Description ECDSA certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ecdsa-type and rsa-type are mutually exclusive

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

enroll

Description Initiates enrollment of device with the CA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-level

Description Level for logging output of CMP commands(default 1 and detailed 2)

Type: number

Range: 1-2

Default: 1

max-polltime

Description Maximum time in seconds a(n) enrollment/key update may take (default 120)

Type: number

Range: 5-1024

Default: 120

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

recipient-dn

Description Distinguished Name of the CMP message recipient, i.e., the CMP server (usually a CA or RA entity)) (DN OIDis case sensitive)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 2 characters

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

rsa-key-length

Description '1024': Key size 1024 bits; '2048': Key size 2048 bits(default); '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 1024, 2048, 4096, 8192

Default: 2048

rsa-type

Description RSA certificate (default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rsa-type and ecdsa-type are mutually exclusive

secret

Description Specify the pre-shared secret used to enroll the device's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description pre-shared secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

subject-alternate-name

Description: subject-alternate-name is a **JSON Block**. Please see below for *subject-alternate-name*

Type: Object

subject-dn

Description Distinguished Name to use while enrolling the certificate(For EJBCA CA, this is the subject DN of an End Entity) (DN OID is case sensitive)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 2 characters

url

Description CMP server's absolute URL(http(s)://host:[port]/path), path is the location to use for the CMP server(aka CMP alias)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

subject-alternate-name

Specification	Value
Type	*object*

san-type

Description 'email': Enter e-mail address of the subject; 'dns': Enter hostname of the subject; 'ip': Enter IP address of the subject;

Type: string

Supported Values: email, dn, ip

san-value

Description Value of subject-alternate-name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.96.8 pki scep-cert

SCEP Certificate enrollment object

scep-cert Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*scep-cert-list*
Collection URI	/axapi/v3/pki/scep-cert
Element Name	scep-cert
Element URI	/axapi/v3/pki/scep-cert/{name}
Element Attributes	scep-cert_attributes
Partition Visibility	shared
Schema	`scep-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/pki/scep-cert

scep-cert attributes

Create List

POST

/axapi/v3/pki/scep-cert

scep-cert attributes

Get Object

GET

/axapi/v3/pki/scep-cert/{name}

scep-cert attributes

Get List

GET

/axapi/v3/pki/scep-cert

scep-cert-list

Modify Object

POST

/axapi/v3/pki/scep-cert/{name}

scep-cert attributes

Replace Object

PUT

/axapi/v3/pki/scep-cert/{name}

scep-cert attributes

Replace List

PUT

/axapi/v3/pki/scep-cert

scep-cert-list

Delete Object

DELETE

/axapi/v3/pki/scep-cert/{name}

scep-cert attributes

scep-cert-list

scep-cert-list is **JSON List** of *scep-cert attributes*

scep-cert-list : [

{ *scep-cert attributes* },

{ *scep-cert attributes* },

...

]

scep-cert attributes

days

Description Validity of self-signed certificate (default 1825)

Type: number

Range: 1-3650

Default: 1825

dn

Description Specify the Distinguished-Name to use while enrolling the certificate (Format: "cn=user, dc=example, dc=com")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

end-date

Description End date of self-signed certificate in YYMMDDHHMMSS format specified in UTC time

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

enroll

Description Initiates enrollment of device with the CA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Interval time in seconds to poll when SCEP response is PENDING (default 5)

Type: number

Range: 1-3600

Default: 5

key-length

Description '1024': Key size 1024 bits; '2048': Key size 2048 bits(default); '4096': Key size 4096 bits; '8192': Key size 8192 bits;

Type: string

Supported Values: 1024, 2048, 4096, 8192

Default: 2048

log-level

Description level for logging output of scepclient commands(default 1 and detailed 4)

Type: number

Range: 1-4

Default: 1

max-polltime

Description Maximum time in seconds to poll when SCEP response is PENDING (default 180)

Type: number

Range: 15-432000

Default: 180

method

Description 'GET': GET request; 'POST': POST request;

Type: string

Supported Values: GET, POST

Default: GET

minute

Description Periodic interval in minutes

Type: number

Range: 2-255

Mutual Exclusion: minute and renew-every-type are mutually exclusive

name

Description Specify Certificate name to be enrolled

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

password

Description Specify the password used to enroll the device's certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renew-before

Description Specify interval before certificate expiry to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-before and renew-every are mutually exclusive

renew-before-type

Description 'hour': Number of hours before cert expiry; 'day': Number of days before cert expiry; 'week': Number of weeks before cert expiry; 'month': Number of months before cert expiry(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

renew-before-value

Description Value of renewal period

Type: number

Range: 1-255

renew-every

Description Specify periodic interval in which to renew the certificate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: renew-every and renew-before are mutually exclusive

renew-every-type

Description 'hour': Periodic interval in hours; 'day': Periodic interval in days; 'week': Periodic interval in weeks; 'month': Periodic interval in months(1 month=30 days);

Type: string

Supported Values: hour, day, week, month

Mutual Exclusion: renew-every-type and minute are mutually exclusive

renew-every-value

Description Value of renewal period

Type: number

Range: 1-255

secret-string

Description secret password

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

start-date

Description Start date of self-signed certificate in YYMMDDHHMMSS format specified in UTC time

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

subject-alternate-name

Description: subject-alternate-name is a **JSON Block**. Please see below for *subject-alternate-name*

Type: Object

url

Description Specify the Enrollment Agent's absolute URL (Format: http://host/path)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

subject-alternate-name

Specification	Value
Type	*object*

san-type

Description 'email': Enter e-mail address of the subject; 'dns': Enter hostname of the subject; 'ip': Enter IP address of the subject;

Type: string

Supported Values: email, dns, ip

san-value

Description Value of subject-alternate-name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.96.9 pki ssli

SSLi Specific Commands

ssli Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ssli
Element URI	/axapi/v3/pki/ssli
Element Attributes	ssli_attributes
Partition Visibility	shared
Schema	`ssli schema`

Operations Allowed:

Get Object

GET

/axapi/v3/pki/ssli

ssli_attributes

ssli attributes

generate

Description: generate is a **JSON Block**. Please see below for *generate*

Type: Object

Reference Object: */axapi/v3/pki/ssli/generate*

revoke

Description: revoke is a **JSON Block**. Please see below for *revoke*

Type: Object

Reference Object: */axapi/v3/pki/ssli/revoke*

revoke

Specification	Value
Type	*object*

port

Description port number

Type: number

Range: 0-65534

serial

Description Serial number in hex

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

generate

Specification	Value
Type	*object*

crl

Description: crl is a **JSON Block**. Please see below for *generate_crl*

Type: Object

Reference Object: */axapi/v3/pki/ssli/generate/crl*

generate_crl

Specification	Value
Type	*object*

port

Description port number

Type: number

Range: 0-65534

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.96.10 pki ssli generate

SSLi PKI generation commands

generate Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	generate
Element URI	/axapi/v3/pki/ssli/generate
Element Attributes	generate_attributes
Partition Visibility	shared
Schema	`generate schema`

Operations Allowed:

Get Object

GET

/axapi/v3/pki/ssli/generate

generate_attributes

generate attributes

crl

Description: crl is a **JSON Block**. Please see below for *crl*

Type: Object

Reference Object: */axapi/v3/pki/ssli/generate/crl*

crl

Specification	Value
Type	*object*

port

Description port number

Type: number

Range: 0-65534

vip-name

Description VIP name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.97 plat-buff-stats

Objects:

2.97.1 plat-buff-stats

Buffer Stats used by CLI rendering

plat-buff-stats Specification

Parameter	Value
Type	*operational*
Element Name	plat-buff-stats
Element URI	/axapi/v3/plat-buff-stats
Element Attributes	plat-buff-stats_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/plat-buff-stats/oper
Schema	`plat-buff-stats schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/plat-buff-stats

plat-buff-stats attributes

plat-buff-stats attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.97.2 plat-buff-stats oper

Operational Status for the object plat-buff-stats

plat-buff-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	plat-buff-stats
Element URI	/axapi/v3/plat-buff-stats/oper
Element Attributes	plat-buff-stats_attributes
Partition Visibility	None
Schema	`plat-buff-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/plat-buff-stats/oper

plat-buff-stats attributes

Get Object

GET

/axapi/v3/plat-buff-stats/oper

plat-buff-stats attributes

Modify Object

POST

/axapi/v3/plat-buff-stats/oper

plat-buff-stats attributes

Replace Object

PUT

/axapi/v3/plat-buff-stats/oper

plat-buff-stats attributes

Delete Object

DELETE

/axapi/v3/plat-buff-stats/oper

plat-buff-stats attributes

plat-buff-stats attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

buff-thr-data

Type: List

capsules-domain0

Type: List

capsules-domain1

Type: List

dbg-buf-in-cache-per-cpu

Type: List

dbg-buf-in-cache-per-fpga

Type: List

dbg-buf-total-cache-pcpu

Description

Type: number

dbg-buf-total-cache-pfpga

Description

Type: number

dbg-nbuf

Description

Type: number

dbg-ncache

Description

Type: number

dbg-ncap

Description

Type: number

dbg-nddom

Description

Type: number

dbg-npart

Description

Type: number

debug-count

Description

Type: number

g-buff-pool

Type: List

g_num_domains

Description

Type: number

g_num_thr_poll

Description

Type: number

threads-domain0

Type: List

threads-domain1

Type: List

total-b-dcmsg-q

Description

Type: number

total-b-dfree

Description

Type: number

total-b-incache

Description

Type: number

total-b-incache-cp

Description

Type: number

total-b-inthrq

Description

Type: number

total-b-misc

Description

Type: number

total-buf-a-state

Description

Type: number

total-free

Description

Type: number

total-inapp-cp

Description

Type: number

total-inhw

Description

Type: number

total-num-buffers

Description

Type: number

oper_capsules-domain1

Specification	Value
Type	*list*
Block object keys	

buf-fpga

Type: List

domain-num

Description

Type: number

oper_capsules-domain1_buf-fpga

Specification	Value
Type	*list*
Block object keys	

buf-fpga-num

Description

Type: number

buf-fpga-s

Type: List

oper_capsules-domain1_buf-fpga_buf-fpga-s

Specification	Value
Type	*list*
Block object keys	

buf-stat-fpga

Description

Type: number

oper_dbg-buf-in-cache-per-cpu

Specification	Value
Type	*list*
Block object keys	

dbg-cpu-ncache

Description

Type: number

dbg-cpu-ncap

Description

Type: number

dbg-cpu-nddom

Description

Type: number

dbg-cpu-npart

Description

Type: number

dbg-cpu-num

Description

Type: number

oper_dbg-buf-in-cache-per-fpga

Specification	Value
Type	*list*
Block object keys	

dbg-fpga-ncache

Description

Type: number

dbg-fpga-ncap

Description

Type: number

dbg-fpga-nddom

Description

Type: number

dbg-fpga-npart

Description

Type: number

dbg-fpga-num

Description

Type: number

oper_g-buff-pool

Specification	Value
Type	*list*
Block object keys	

g-stat-fpga-name

Description

Type: string

g-stat-gets0

Description

Type: string

g-stat-gets1

Description

Type: string

g-stat-puts0

Description

Type: string

g-stat-puts1

Description

Type: string

oper_buff-thr-data

Specification	Value
Type	*list*
Block object keys	

buff-app-inq

Description

Type: number

buff-app-state

Description

Type: number

buff-misc

Description

Type: number

num-buff-cache

Description

Type: number

thr-num

Description

Type: number

oper_capsules-domain0

Specification	Value
Type	*list*
Block object keys	

buf-fpga

Type: List

domain-num

Description

Type: number

oper_capsules-domain0_buf-fpga

Specification	Value
Type	*list*
Block object keys	

buf-fpga-num

Description

Type: number

buf-fpga-s

Type: List

oper_capsules-domain0_buf-fpga_buf-fpga-s

Specification	Value
Type	*list*
Block object keys	

buf-stat-fpga

Description

Type: number

oper_threads-domain1

Specification	Value
Type	*list*
Block object keys	

thr-name-buf-stat

Description

Type: string

oper_threads-domain0

Specification	Value
Type	*list*
Block object keys	

thr-name-buf-stat

Description

Type: string

2.98 plat-cpu-drop

Objects:

2.98.1 plat-cpu-drop

Miscellenious Information Used for CLI rendering

plat-cpu-drop Specification

Parameter	Value
Type	*operational*
Element Name	plat-cpu-drop
Element URI	/axapi/v3/plat-cpu-drop
Element Attributes	plat-cpu-drop_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/plat-cpu-drop/oper
Schema	`plat-cpu-drop schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/plat-cpu-drop

plat-cpu-drop attributes

plat-cpu-drop attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.98.2 plat-cpu-drop oper

Operational Status for the object plat-cpu-drop

plat-cpu-drop Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	plat-cpu-drop
Element URI	/axapi/v3/plat-cpu-drop/oper
Element Attributes	plat-cpu-drop_attributes
Partition Visibility	None
Schema	`plat-cpu-drop schema`

Operations Allowed:

Create Object

POST

/axapi/v3/plat-cpu-drop/oper

plat-cpu-drop attributes

Get Object

GET

/axapi/v3/plat-cpu-drop/oper

plat-cpu-drop attributes

Modify Object

POST

/axapi/v3/plat-cpu-drop/oper

plat-cpu-drop attributes

Replace Object

PUT

/axapi/v3/plat-cpu-drop/oper

plat-cpu-drop attributes

Delete Object

DELETE

/axapi/v3/plat-cpu-drop/oper

plat-cpu-drop attributes

plat-cpu-drop attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

app-buff-drop

Description

Type: number

app-buff-drop-total

Description

Type: number

drop-seg

Type: List

fpga-seg

Type: List

rate-limit

Description

Type: number

rate-limit-drp

Type: List

oper_rate-limit-drp

Specification	Value
Type	*list*
Block object keys	

rate-limit-drop

Description

Type: string

oper_fpga-seg

Specification	Value
Type	*list*
Block object keys	

fpga-seg-name

Description

Type: string

oper_drop-seg

Specification	Value
Type	*list*
Block object keys	

drop-cnt

Type: List

drop-name

Description

Type: string

oper_drop-seg_drop-cnt

Specification	Value
Type	*list*
Block object keys	

drop-count

Description

Type: string

2.99 plat-cpu-packet

Objects:

2.99.1 plat-cpu-packet

Miscellenious Information Used for CLI rendering

plat-cpu-packet Specification

Parameter	Value
Type	*operational*
Element Name	plat-cpu-packet
Element URI	/axapi/v3/plat-cpu-packet
Element Attributes	plat-cpu-packet_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/plat-cpu-packet/oper
Schema	`plat-cpu-packet schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/plat-cpu-packet

plat-cpu-packet attributes

plat-cpu-packet attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.99.2 plat-cpu-packet oper

Operational Status for the object plat-cpu-packet

plat-cpu-packet Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	plat-cpu-packet
Element URI	/axapi/v3/plat-cpu-packet/oper
Element Attributes	plat-cpu-packet_attributes
Partition Visibility	None
Schema	`plat-cpu-packet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/plat-cpu-packet/oper

plat-cpu-packet attributes

Get Object

GET

/axapi/v3/plat-cpu-packet/oper

plat-cpu-packet attributes

Modify Object

POST

/axapi/v3/plat-cpu-packet/oper

plat-cpu-packet attributes

Replace Object

PUT

/axapi/v3/plat-cpu-packet/oper

plat-cpu-packet attributes

Delete Object

DELETE

/axapi/v3/plat-cpu-packet/oper

plat-cpu-packet attributes

plat-cpu-packet attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

pkt-stats

Type: List

oper_pkt-stats

Specification	Value
Type	*list*
Block object keys	

cpu-num

Description

Type: number

pkt-drop

Description

Type: number

pkt-rcvd

Description

Type: number

pkt-sent

Description

Type: number

2.100 radius-server

Objects:

2.100.1 radius-server

Configure RADIUS server information

radius-server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	radius-server
Element URI	/axapi/v3/radius-server
Element Attributes	radius-server_attributes
Partition Visibility	shared
Schema	`radius-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/radius-server

radius-server attributes

```
POST /axapi/v3/radius-server
Payload:
{
    "radius-server": {
        "default-privilege-read-write": 1
    }
}
```

Get Object

GET

/axapi/v3/radius-server

radius-server attributes

```
GET /axapi/v3/radius-server
Reponse:
{
    "radius-server": {
        "default-privilege-read-write": 1,
        "message-authenticator-verify-enable": 0,
        "uuid": "28e1cce0-0880-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/radius-server"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/radius-server

radius-server attributes

Replace Object

PUT

/axapi/v3/radius-server

radius-server attributes

```
PUT /axapi/v3/radius-server
Payload:
{
    "radius-server": {
        "default-privilege-read-write": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/radius-server

radius-server attributes

```
DELETE /axapi/v3/radius-server
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

radius-server attributes

default-privilege-read-write

Description Specify the RADIUS default privilege

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Reference Object: */axapi/v3/radius-server/host*

message-authenticator-verify-enable

Description Enable the verification of Message-Authenticator attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	Value
Type	*object*

ipv4-list

Type: List

Reference Object: */axapi/v3/radius-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Reference Object: */axapi/v3/radius-server/host/ipv6/{ipv6-addr}*

name-list

Type: List

Reference Object: */axapi/v3/radius-server/host/name/{hostname}*

host_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of RADIUS server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *host_ipv4-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv4-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv4-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

host_ipv4-list_secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

host_name-list

Specification	Value
Type	*list*
Block object keys	

hostname

Description Hostname of RADIUS server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *host_name-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_name-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_name-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

host_name-list_secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

host_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of RADIUS server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *host_ipv6-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv6-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv6-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

host_ipv6-list_secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

2.100.2 radius-server host

Specify the RADIUS server's hostname or IP address

host Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/radius-server/host
Element Attributes	host_attributes
Partition Visibility	shared
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/radius-server/host

host_attributes

```
GET /axapi/v3/radius-server/host
Reponse:
{
    "host": {
        "ipv4-list": [
            {
                "ipv4-addr": "3.3.3.3",
                "secret": {
                    "encrypted":
↪"d+6Ujpg7oiqOsUNmpLton4CxuN3DHYINMEdj700tS1zSJlzevDhFEPgNmHi9goUZ",
                    "port-cfg": {
                        "auth-port": 1,
                        "retransmit": 3,
                        "timeout": 3
                    }
                },
                "uuid": "4b72252a-0880-11f0-847f-51c757813e60",
                "a10-url": "/axapi/v3/radius-server/host/ipv4/3.3.3.3"
            }
        ],
        "a10-url": "/axapi/v3/radius-server/host"
    }
}
```

host attributes

ipv4-list

Type: List

Reference Object: */axapi/v3/radius-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Reference Object: */axapi/v3/radius-server/host/ipv6/{ipv6-addr}*

name-list

Type: List

Reference Object: */axapi/v3/radius-server/host/name/{hostname}*

ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of RADIUS server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *ipv4-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv4-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-list_secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

name-list

Specification	Value
Type	*list*
Block object keys	

hostname

Description Hostname of RADIUS server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *name-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

name-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *name-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

name-list_secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of RADIUS server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *ipv6-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv6-list_secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-list_secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

2.100.3 radius-server host ipv4

Specify the hostname of RADIUS server

ipv4 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ipv4-list*
Collection URI	/axapi/v3/radius-server/host/ipv4
Element Name	ipv4
Element URI	/axapi/v3/radius-server/host/ipv4/{ipv4-addr}
Element Attributes	ipv4_attributes
Partition Visibility	shared
Schema	`ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/radius-server/host/ipv4

ipv4 attributes

```
POST /axapi/v3/radius-server/host/ipv4/
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "secret-value": "a",
            "port-cfg": {
```

(continues on next page)

(continued from previous page)

```
                "auth-port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/radius-server/host/ipv4

ipv4 attributes

Get Object

GET

/axapi/v3/radius-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
GET /axapi/v3/radius-server/host/ipv4/3.3.3.3
Reponse:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "encrypted":
↪"QiTiv7CJ7AXuWL7hcgwZb3CS392ZkuRI07WoGgb1Y16PmlvWP8ZBvvC+yGnxtvSC",
            "port-cfg": {
                "auth-port": 1,
                "retransmit": 3,
                "timeout": 3
            }
        },
        "uuid": "6721f2b4-0880-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/radius-server/host/ipv4/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/radius-server/host/ipv4

ipv4-list

Modify Object

POST

/axapi/v3/radius-server/host/ipv4/{ipv4-addr}

ipv4 attributes

Replace Object

PUT

/axapi/v3/radius-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
PUT /axapi/v3/radius-server/host/ipv4/3.3.3.3
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "secret-value": "abcd",
            "port-cfg": {
                "auth-port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/radius-server/host/ipv4

ipv4-list

Delete Object

DELETE

/axapi/v3/radius-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
DELETE /axapi/v3/radius-server/host/ipv4/3.3.3.3
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4-list

ipv4-list is **JSON List** of *ipv4 attributes*

ipv4-list : [

{ *ipv4 attributes* },

{ *ipv4 attributes* },

...

]

ipv4 attributes

ipv4-addr

Description IPV4 address of RADIUS server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

2.100.4 radius-server host ipv6

Specify the hostname of RADIUS server

ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ipv6-list*
Collection URI	/axapi/v3/radius-server/host/ipv6
Element Name	ipv6
Element URI	/axapi/v3/radius-server/host/ipv6/{ipv6-addr}
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/radius-server/host/ipv6

ipv6 attributes

```
POST /axapi/v3/radius-server/host/ipv6/
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "secret-value": "a",
            "port-cfg": {
                "auth-port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/radius-server/host/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/radius-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
GET /axapi/v3/radius-server/host/ipv6/2003::1
Reponse:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "encrypted":
↪"eGt7qZHJEB30k6Zze68mlA3QCrkYiXUhiuzbOBtCn3YoSXG5qe2B2fpOFQZEAxjh",
            "port-cfg": {
                "auth-port": 1,
                "retransmit": 3,
                "timeout": 3
            }
        },
        "uuid": "91cb7ba2-0880-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/radius-server/host/ipv6/2003%3A%3A1"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get List

GET

/axapi/v3/radius-server/host/ipv6

ipv6-list

Modify Object

POST

/axapi/v3/radius-server/host/ipv6/{ipv6-addr}

ipv6 attributes

Replace Object

PUT

/axapi/v3/radius-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
PUT /axapi/v3/radius-server/host/ipv6/2003::1
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "secret-value": "abcd",
            "port-cfg": {
                "auth-port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/radius-server/host/ipv6

ipv6-list

Delete Object

DELETE

/axapi/v3/radius-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
DELETE /axapi/v3/radius-server/host/ipv6/2003::1
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-list

ipv6-list is **JSON List** of *ipv6 attributes*

ipv6-list : [

{ *ipv6 attributes* },

{ *ipv6 attributes* },

...

]

ipv6 attributes

ipv6-addr

Description IPV6 address of RADIUS server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

2.100.5 radius-server host name

Specify the hostname of RADIUS server

name Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*hostname*
Collection Name	*name-list*
Collection URI	/axapi/v3/radius-server/host/name
Element Name	name
Element URI	/axapi/v3/radius-server/host/name/{hostname}
Element Attributes	name_attributes
Partition Visibility	shared
Schema	`name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/radius-server/host/name

name attributes

```
POST /axapi/v3/radius-server/host/name/
Payload:
{
    "name": {
        "hostname": "a",
        "secret": {
            "secret-value": "a",
            "port-cfg": {
                "auth-port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/radius-server/host/name

name attributes

Get Object

GET

/axapi/v3/radius-server/host/name/{hostname}

name attributes

```
GET /axapi/v3/radius-server/host/name/a
Reponse:
{
    "name": {
        "hostname": "a",
        "secret": {
            "encrypted": "fk2pio3Av3Di3n771ndOU0VU2tHRnm/
↪ITJZyEiMsJpjhd5kwsz365vlqKw01UWOr",
            "port-cfg": {
                "auth-port": 1,
                "retransmit": 3,
                "timeout": 3
            }
        },
        "uuid": "bb50b1b8-0880-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/radius-server/host/name/a"
    }
}
```

Get List

GET

/axapi/v3/radius-server/host/name

name-list

Modify Object

POST

/axapi/v3/radius-server/host/name/{hostname}

name attributes

Replace Object

PUT

/axapi/v3/radius-server/host/name/{hostname}

name attributes

```
PUT /axapi/v3/radius-server/host/name/a
Payload:
{
    "name": {
        "hostname": "a",
        "secret": {
            "secret-value": "abcd",
            "port-cfg": {
                "auth-port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/radius-server/host/name

name-list

Delete Object

DELETE

/axapi/v3/radius-server/host/name/{hostname}

name attributes

```
DELETE /axapi/v3/radius-server/host/name/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

name-list

name-list is **JSON List** of *name attributes*

name-list : [

{ *name attributes* },

{ *name attributes* },

...

]

name attributes

hostname

Description Hostname of RADIUS server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The RADIUS server's secret

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

secret_port-cfg

Specification	Value
Type	*object*

acct-port

Description Specify the RADIUS server's accounting port (default 1813)

Type: number

Range: 1-65535

auth-port

Description Specify the RADIUS server's authentication port (default 1812)

Type: number

Range: 1-65535

retransmit

Description Specify the maximum times allowed for resending an request to the radius server (default 3)

Type: number

Range: 0-5

Default: 3

timeout

Description Specify the maximum time allowed for waiting for a response from a radius server (default 3)

Type: number

Range: 1-30

Default: 3

2.101 rate-limit

Objects:

2.101.1 rate-limit

Rate limit configuration

rate-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit
Element URI	/axapi/v3/rate-limit
Element Attributes	rate-limit_attributes
Partition Visibility	shared
Schema	`rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rate-limit

rate-limit attributes

```
POST /axapi/v3/rate-limit
Payload:
{
    "rate-limit": {
        "maxPktNum": 1000,
        "rl-type": "ctrl"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/rate-limit

rate-limit attributes

Modify Object

POST

/axapi/v3/rate-limit

rate-limit attributes

Replace Object

PUT

/axapi/v3/rate-limit

rate-limit attributes

Delete Object

DELETE

/axapi/v3/rate-limit

rate-limit attributes

rate-limit attributes

maxPktNum

Description Max number of packets

Type: number

Range: 1000-100000

Default: 10000

rl-type

Description 'ctrl': The max number of packets that can be sent to kernel in 100ms;

Type: string

Supported Values: ctrl

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.102 rba

Objects:

2.102.1 rba

Role Based Access configuration

rba Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rba
Element URI	/axapi/v3/rba
Element Attributes	rba_attributes
Partition Visibility	shared
Schema	`rba schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba

rba attributes

Get Object

GET

/axapi/v3/rba

rba attributes

Modify Object

POST

/axapi/v3/rba

rba attributes

Replace Object

PUT

/axapi/v3/rba

rba attributes

Delete Object

DELETE

/axapi/v3/rba

rba attributes

rba attributes

action

Description 'enable': Enable RBA; 'disable': Disable RBA;

Type: string

Supported Values: enable, disable

Default: enable

group-list

Type: List

Reference Object: */axapi/v3/rba/group/{name}*

role-list

Type: List

Reference Object: */axapi/v3/rba/role/{name}*

user-list

Type: List

Reference Object: */axapi/v3/rba/user/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list

Specification	Value
Type	*list*
Block object keys	

name

Description Name of a RBA group

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-list

Type: List

Reference Object: */axapi/v3/rba/group/{name}/partition/{partition-name}*

user-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list_partition-list

Specification	Value
Type	*list*
Block object keys	

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list_partition-list_role-list

Specification	Value
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/rba/role*

group-list_partition-list_rule-list

Specification	Value
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'oper': oper; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

group-list_user-list

Specification	Value
Type	*list*
Block object keys	

user

Description Users in the group

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

user-list

Specification	Value
Type	*list*
Block object keys	

name

Description Name of a user account

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-list

Type: List

Reference Object: */axapi/v3/rba/user/{name}/partition/{partition-name}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-list_partition-list

Specification	Value
Type	*list*
Block object keys	

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-list_partition-list_role-list

Specification	Value
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/rba/role*

user-list_partition-list_rule-list

Specification	Value
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description ‘no-access’: no-access; ‘read’: read; ‘oper’: oper; ‘write’: write;

Type: string

Supported Values: no-access, read, oper, write

role-list

Specification	Value
Type	*list*
Block object keys	

default-privilege

Description ‘no-access’: no-access; ‘read’: read; ‘write’: write;

Type: string

Supported Values: no-access, read, write

Default: no-access

name

Description Name for the RBA role

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-only

Description Partition RBA Role

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

role-list_rule-list

Specification	Value
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'oper': oper; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.102.2 rba group

RBA configuration for a group

group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*group-list*
Collection URI	/axapi/v3/rba/group
Element Name	group
Element URI	/axapi/v3/rba/group/{name}
Element Attributes	group_attributes
Partition Visibility	shared
Schema	`group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/group

group attributes

```
POST /axapi/v3/rba/group/
Payload:
{
    "group": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/rba/group

group attributes

Get Object

GET

/axapi/v3/rba/group/{name}

group attributes

```
GET /axapi/v3/rba/group/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "group": {
        "name": "a",
        "uuid": "553632aa-b6d1-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/rba/group/a"
    }
}
```

Get List

GET

/axapi/v3/rba/group

group-list

Modify Object

POST

/axapi/v3/rba/group/{name}

group attributes

Replace Object

PUT

/axapi/v3/rba/group/{name}

group attributes

```
PUT /axapi/v3/rba/group/a
Payload:
{
    "group": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/rba/group

group-list

Delete Object

DELETE

/axapi/v3/rba/group/{name}

group attributes

```
DELETE /axapi/v3/rba/group/a
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

group-list

group-list is **JSON List** of *group attributes*

group-list : [

{ *group attributes* },

{ *group attributes* },

...

]

group attributes

name

Description Name of a RBA group

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-list

Type: List

Reference Object: */axapi/v3/rba/group/{name}/partition/{partition-name}*

user-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-list

Specification	Value
Type	*list*
Block object keys	

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-list_role-list

Specification	Value
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/rba/role*

partition-list_rule-list

Specification	Value
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'oper': oper; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

user-list

Specification	Value
Type	*list*
Block object keys	

user

Description Users in the group

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

2.102.3 rba group partition

RBA configuration for the access privilege of a group within one partition

partition Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*partition-name*
Collection Name	*partition-list*
Collection URI	/axapi/v3/rba/group/{name}/partition
Element Name	partition
Element URI	/axapi/v3/rba/group/{name}/partition/{partition-name}
Element Attributes	partition_attributes
Partition Visibility	shared
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/group/{name}/partition

partition attributes

Create List

POST

/axapi/v3/rba/group/{name}/partition

partition attributes

Get Object

GET

/axapi/v3/rba/group/{name}/partition/{partition-name}

partition attributes

Get List

GET

/axapi/v3/rba/group/{name}/partition

partition-list

Modify Object

POST

/axapi/v3/rba/group/{name}/partition/{partition-name}

partition attributes

Replace Object

PUT

/axapi/v3/rba/group/{name}/partition/{partition-name}

partition attributes

Replace List

PUT

/axapi/v3/rba/group/{name}/partition

partition-list

Delete Object

DELETE

/axapi/v3/rba/group/{name}/partition/{partition-name}

partition attributes

partition-list

partition-list is **JSON List** of *partition attributes*

partition-list : [

{ *partition attributes* },

{ *partition attributes* },

...

]

partition attributes

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

role-list

Specification	Value
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/rba/role*

rule-list

Specification	Value
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'oper': oper; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.102.4 rba role

Role configuration for RBA support

role Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*role-list*
Collection URI	/axapi/v3/rba/role
Element Name	role
Element URI	/axapi/v3/rba/role/{name}
Element Attributes	role_attributes
Partition Visibility	shared
Schema	`role schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/role

role attributes

```
POST /axapi/v3/rba/role/
Payload:
{
    "role": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/rba/role

role attributes

Get Object

GET

/axapi/v3/rba/role/{name}

role attributes

```
GET /axapi/v3/rba/role/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "role": {
        "name": "a",
        "default-privilege": "no-access",
        "partition-only": 0,
        "uuid": "ff891dee-b6d1-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/rba/role/a"
    }
}
```

Get List

GET

/axapi/v3/rba/role

role-list

Modify Object

POST

/axapi/v3/rba/role/{name}

role attributes

Replace Object

PUT

/axapi/v3/rba/role/{name}

role attributes

```
PUT /axapi/v3/rba/role/a
Payload:
{
    "role": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/rba/role

role-list

Delete Object

DELETE

/axapi/v3/rba/role/{name}

role attributes

```
DELETE /axapi/v3/rba/role/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

role-list

role-list is **JSON List** of *role attributes*

role-list : [

{ *role attributes* },

{ *role attributes* },

...

]

role attributes

default-privilege

Description 'no-access': no-access; 'read': read; 'write': write;

Type: string

Supported Values: no-access, read, write

Default: no-access

name

Description Name for the RBA role

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-only

Description Partition RBA Role

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-list

Specification	Value
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'oper': oper; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.102.5 rba user

RBA configuration for a user

user Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*user-list*
Collection URI	/axapi/v3/rba/user
Element Name	user
Element URI	/axapi/v3/rba/user/{name}
Element Attributes	user_attributes
Partition Visibility	shared
Schema	`user schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/user

user attributes

```
POST /axapi/v3/rba/user/
Payload:
{
    "user": {
        "name": "a"
    }
}
```

Create List

POST

/axapi/v3/rba/user

user attributes

Get Object

GET

/axapi/v3/rba/user/{name}

user attributes

```
GET /axapi/v3/rba/user/a
Reponse:
{
    "user": {
        "name": "a",
        "uuid": "499289a2-b6d2-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/rba/user/a"
    }
}
```

Get List

GET

/axapi/v3/rba/user

user-list

Modify Object

POST

/axapi/v3/rba/user/{name}

user attributes

Replace Object

PUT

/axapi/v3/rba/user/{name}

user attributes

```
PUT /axapi/v3/rba/user/a
Payload:
{
    "user": {
        "name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/rba/user

user-list

Delete Object

DELETE

/axapi/v3/rba/user/{name}

user attributes

```
DELETE /axapi/v3/rba/user/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

user-list

user-list is **JSON List** of *user attributes*

user-list : [

{ *user attributes* },

{ *user attributes* },

...

]

user attributes

name

Description Name of a user account

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

partition-list

Type: List

Reference Object: */axapi/v3/rba/user/{name}/partition/{partition-name}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-list

Specification	Value
Type	*list*
Block object keys	

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-list_role-list

Specification	Value
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/rba/role*

partition-list_rule-list

Specification	Value
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'oper': oper; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.102.6 rba user partition

RBA configuration for the access privilege of a user within one partition

partition Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*partition-name*
Collection Name	*partition-list*
Collection URI	/axapi/v3/rba/user/{name}/partition
Element Name	partition
Element URI	/axapi/v3/rba/user/{name}/partition/{partition-name}
Element Attributes	partition_attributes
Partition Visibility	shared
Schema	`partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rba/user/{name}/partition

partition attributes

Create List

POST

/axapi/v3/rba/user/{name}/partition

partition attributes

Get Object

GET

/axapi/v3/rba/user/{name}/partition/{partition-name}

partition attributes

Get List

GET

/axapi/v3/rba/user/{name}/partition

partition-list

Modify Object

POST

/axapi/v3/rba/user/{name}/partition/{partition-name}

partition attributes

Replace Object

PUT

/axapi/v3/rba/user/{name}/partition/{partition-name}

partition attributes

Replace List

PUT

/axapi/v3/rba/user/{name}/partition

partition-list

Delete Object

DELETE

/axapi/v3/rba/user/{name}/partition/{partition-name}

partition attributes

partition-list

partition-list is **JSON List** of *partition attributes*

```
partition-list : [
        { partition attributes },
        { partition attributes },
        ...
    ]
```

partition attributes

partition-name

Description partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

role-list

Type: List

rule-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

role-list

Specification	Value
Type	*list*
Block object keys	

role

Description Role in a given partition

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/rba/role*

rule-list

Specification	Value
Type	*list*
Block object keys	

object

Description Lineage of object class for permitted operation

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

operation

Description 'no-access': no-access; 'read': read; 'oper': oper; 'write': write;

Type: string

Supported Values: no-access, read, oper, write

2.103 remove-upgrade-lock

Objects:

2.103.1 remove-upgrade-lock

removing upgrade lock file mgmt_is_upgrade

remove-upgrade-lock Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	remove-upgrade-lock
Element URI	/axapi/v3/remove-upgrade-lock
Element Attributes	remove-upgrade-lock_attributes
Partition Visibility	shared
Schema	`remove-upgrade-lock schema`

Operations Allowed:

Create Object

POST

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

Get Object

GET

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

Modify Object

POST

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

Replace Object

PUT

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

Delete Object

DELETE

/axapi/v3/remove-upgrade-lock

remove-upgrade-lock attributes

remove-upgrade-lock attributes

file

Description Lock is in the form of a file. This is not required for command.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.104 report

Objects:

2.104.1 report

Report configurations

report Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	report
Element URI	/axapi/v3/report
Element Attributes	report_attributes
Partition Visibility	shared
Schema	`report schema`

Operations Allowed:

Create Object

POST

/axapi/v3/report

report attributes

```
POST /axapi/v3/report
Payload:
{
    "report": {
        "debug": {
            "log": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/report

report attributes

Modify Object

POST

/axapi/v3/report

report attributes

Replace Object

PUT

/axapi/v3/report

report attributes

Delete Object

DELETE

/axapi/v3/report

report attributes

report attributes

debug

Description: debug is a **JSON Block**. Please see below for *debug*

Type: Object

Reference Object: */axapi/v3/report/debug*

debug

Specification	Value
Type	*object*

log

Description Enable Report module's normal logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sflow

Description: sflow is a **JSON Block**. Please see below for *debug_sflow*

Type: Object

Reference Object: */axapi/v3/report/debug/sflow*

debug_sflow

Specification	Value
Type	*object*

parser

Description Enable logs by parser

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-oid

Description Specify stats-oid to dump raw packets, 0 to disable

Type: number

Range: 0-9999

2.105 resource-track

Objects:

2.105.1 resource-track

Define a resource track policy template

resource-track Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*resource-track-list*
Collection URI	/axapi/v3/resource-track
Element Name	resource-track
Element URI	/axapi/v3/resource-track/{name}
Element Attributes	resource-track_attributes
Partition Visibility	shared
Schema	`resource-track schema`

Operations Allowed:

Create Object

POST

/axapi/v3/resource-track

resource-track attributes

```
POST /axapi/v3/resource-track/
Payload:
{
    "resource-track": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/resource-track

resource-track attributes

Get Object

GET

/axapi/v3/resource-track/{name}

resource-track attributes

```
GET /axapi/v3/resource-track/a
Reponse:
{
    "resource-track": {
        "name": "a",
        "scaleout-cfg": {
            "scaleout": 0
        },
        "uuid": "85a028ae-b6d3-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/resource-track/a"
    }
}
```

Get List

GET

/axapi/v3/resource-track

resource-track-list

Modify Object

POST

/axapi/v3/resource-track/{name}

resource-track attributes

Replace Object

PUT

/axapi/v3/resource-track/{name}

resource-track attributes

```
PUT /axapi/v3/resource-track/a
Payload:
{
    "resource-track": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/resource-track

resource-track-list

Delete Object

DELETE

/axapi/v3/resource-track/{name}

resource-track attributes

```
DELETE /axapi/v3/resource-track/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

resource-track-list

resource-track-list is **JSON List** of *resource-track attributes*

resource-track-list : [

{ *resource-track attributes* },

{ *resource-track attributes* },

...

]

resource-track attributes

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

gateway

Description: gateway is a **JSON Block**. Please see below for *gateway*

Type: Object

interface

Type: List

name

Description resource track policy template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

route

Description: route is a **JSON Block**. Please see below for *route*

Type: Object

scaleout-cfg

Description: scaleout-cfg is a **JSON Block**. Please see below for *scaleout-cfg*

Type: Object

trunk-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vlan-cfg

Type: List

vlan-cfg

Specification	Value
Type	*list*
Block object keys	

timeout

Description

Type: number

Range: 2-600

vlan

Description VLAN tracking (VLAN id)

Type: number

Range: 2-4094

weight

Description The failover event weight

Type: number

Range: 1-255

route

Specification	Value
Type	*object*

ip-destination-cfg

Type: List

ipv6-destination-cfg

Type: List

route_ipv6-destination-cfg

Specification	Value
Type	*list*
Block object keys	

distance

Description Route's administrative distance (default: match any)

Type: number

Range: 1-255

gatewayv6

Description Match the route's gateway (next-hop) (default: match any)

Type: string

Format: ipv6-address

ipv6-destination

Description IPv6 Destination Prefix

Type: string

Format: ipv6-address-plen

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

weight

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

route_ip-destination-cfg

Specification	Value
Type	*list*
Block object keys	

distance

Description Route's administrative distance(default: match any)

Type: number

Range: 1-255

gateway

Description

Type: string

Format: ipv4-address

ip-destination

Description Destination prefix

Type: string

Format: ipv4-address

mask

Description Destination prefix mask

Type: string

Format: ipv4-netmask

protocol

Description 'any': Match any routing protocol (default); 'static': Match only static routes (added by user); 'dynamic': Match routes added by dynamic routing protocols (e.g. OSPF);

Type: string

Supported Values: any, static, dynamic

Default: any

weight

Description The amount the priority will decrease if the route is missing (The amount the priority will decrease if the route is not present)

Type: number

Range: 1-255

bgp

Specification	Value
Type	*object*

bgp-ipv4-address-cfg

Type: List

bgp-ipv6-address-cfg

Type: List

bgp_bgp-ipv4-address-cfg

Specification	Value
Type	*list*
Block object keys	

bgp-ipv4-address

Description bgp IP Address

Type: string

Format: ipv4-address

weight

Description The failover event weight

Type: number

Range: 1-255

bgp_bgp-ipv6-address-cfg

Specification	Value
Type	*list*
Block object keys	

bgp-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

weight

Description The failover event weight

Type: number

Range: 1-255

interface

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

weight

Description The failover event weight

Type: number

Range: 1-255

scaleout-cfg

Specification	Value
Type	*object*

scaleout

Description scaleout tracking

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weight

Description The failover event weight

Type: number

Range: 1-255

gateway

Specification	Value
Type	*object*

gw-ipv4-address-cfg

Type: List

gw-ipv6-address-cfg

Type: List

gateway_gw-ipv4-address-cfg

Specification	Value
Type	*list*
Block object keys	

gw-ipv4-address

Description IP Address

Type: string

Format: ipv4-address

weight

Description The failover event weight

Type: number

Range: 1-255

gateway_gw-ipv6-address-cfg

Specification	Value
Type	*list*
Block object keys	

gw-ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

weight

Description The failover event weight

Type: number

Range: 1-255

trunk-cfg

Specification	Value
Type	*list*
Block object keys	

per-port-weight

Description Per port failover weight

Type: number

Range: 0-255

Default: 0

trunk

Description trunk tracking (trunk id)

Type: number

Range: 1-4096

weight

Description failover event weight

Type: number

Range: 1-255

2.106 route-map

Objects:

2.106.1 route-map

Configure route-map

route-map Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*tag, action, sequence*
Collection Name	*route-map-list*
Collection URI	/axapi/v3/route-map
Element Name	route-map
Element URI	/axapi/v3/route-map/{tag}+{action}+{sequence}
Element Attributes	route-map_attributes
Partition Visibility	shared
Schema	`route-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/route-map

route-map attributes

```
POST /axapi/v3/route-map/
Payload:
{
    "route-map": {
        "action": "permit",
```

(continues on next page)

(continued from previous page)

```
        "tag": "a",
        "sequence": 1
    }
}
```

Create List

POST

/axapi/v3/route-map

route-map attributes

Get Object

GET

/axapi/v3/route-map/{tag}+{action}+{sequence}

route-map attributes

```
GET /axapi/v3/route-map/a+permit+1
Reponse:
{
    "route-map": {
        "tag": "a",
        "action": "permit",
        "sequence": 1,
        "uuid": "0464af08-09ad-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/route-map/a+permit+1"
    }
}
```

Get List

GET

/axapi/v3/route-map

route-map-list

Modify Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}

route-map attributes

Replace Object

PUT

/axapi/v3/route-map/{tag}+{action}+{sequence}

route-map attributes

```
PUT /axapi/v3/route-map/a+permit+1
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "route-map": {
        "action": "permit",
        "tag": "a",
        "sequence": 1
    }
}
```

Replace List

PUT

/axapi/v3/route-map

route-map-list

Delete Object

DELETE

/axapi/v3/route-map/{tag}+{action}+{sequence}

route-map attributes

```
DELETE /axapi/v3/route-map/a+permit+1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

route-map-list

route-map-list is **JSON List** of *route-map attributes*

route-map-list : [

{ *route-map attributes* },

{ *route-map attributes* },

...

]

route-map attributes

action

Description 'permit': Route map permits set operations; 'deny': Route map denies set operations;

Type: string

Supported Values: permit, deny

match

Description: match is a **JSON Block**. Please see below for *match*

Type: Object

Reference Object: */axapi/v3/route-map/{tag}+{action}+{sequence}/match*

sequence

Description Sequence to insert to/delete from existing route-map entry

Type: number

Range: 1-65535

set

Description: set is a **JSON Block**. Please see below for *set*

Type: Object

Reference Object: */axapi/v3/route-map/{tag}+{action}+{sequence}/set*

tag

Description Route map tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

set

Specification	Value
Type	*object*

aggregator

Description: aggregator is a **JSON Block**. Please see below for *set_aggregator*

Type: Object

as-path

Description: as-path is a **JSON Block**. Please see below for *set_as-path*

Type: Object

atomic-aggregate

Description BGP atomic aggregate attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-list

Description: comm-list is a **JSON Block**. Please see below for *set_comm-list*

Type: Object

community

Description BGP community attribute

Type: string

Format: string-rlx

dampening-cfg

Description: dampening-cfg is a **JSON Block**. Please see below for *set_dampening-cfg*

Type: Object

ddos

Description: ddos is a **JSON Block**. Please see below for *set_ddos*

Type: Object

extcommunity

Description: extcommunity is a **JSON Block**. Please see below for *set_extcommunity*

Type: Object

ip

Description: ip is a **JSON Block**. Please see below for *set_ip*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *set_ipv6*

Type: Object

large-comm-list

Description: large-comm-list is a **JSON Block**. Please see below for *set_large-comm-list*

Type: Object

large-community

Description BGP large community attribute

Type: string

Format: string-rlx

level

Description: level is a **JSON Block**. Please see below for *set_level*

Type: Object

local-preference

Description: local-preference is a **JSON Block**. Please see below for *set_local-preference*

Type: Object

metric

Description: metric is a **JSON Block**. Please see below for *set_metric*

Type: Object

metric-type

Description: metric-type is a **JSON Block**. Please see below for *set_metric-type*

Type: Object

origin

Description: origin is a **JSON Block**. Please see below for *set_origin*

Type: Object

originator-id

Description: originator-id is a **JSON Block**. Please see below for *set_originator-id*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *set_tag*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description: weight is a **JSON Block**. Please see below for *set_weight*

Type: Object

set_extcommunity

Specification	Value
Type	*object*

rt

Description: rt is a **JSON Block**. Please see below for *set_extcommunity_rt*

Type: Object

soo

Description: soo is a **JSON Block**. Please see below for *set_extcommunity_soo*

Type: Object

set_extcommunity_rt

Specification	Value
Type	*object*

value

Description VPN extended community

Type: string

Format: string-rlx

set_extcommunity_soo

Specification	Value
Type	*object*

value

Description VPN extended community

Type: string

Format: string-rlx

set_origin

Specification	Value
Type	*object*

egp

Description remote EGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: egp, igp, and incomplete are mutually exclusive

igp

Description local IGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: igp, egp, and incomplete are mutually exclusive

incomplete

Description unknown heritage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: incomplete, egp, and igp are mutually exclusive

set_aggregator

Specification	Value
Type	*object*

aggregator-as

Description: aggregator-as is a **JSON Block**. Please see below for *set_aggregator_aggregator-as*

Type: Object

set_aggregator_aggregator-as

Specification	Value
Type	*object*

asn

Description AS number

Type: number

Range: 1-4294967295

ip

Description IP address of aggregator

Type: string

Format: ipv4-address

set_weight

Specification	Value
Type	*object*

weight-val

Description Weight value

Type: number

Range: 0-4294967295

set_level

Specification	Value
Type	*object*

value

Description 'level-1': Export into a level-1 area; 'level-1-2': Export into level-1 and level-2; 'level-2': Export into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

set_ip

Specification	Value
Type	*object*

next-hop

Description: next-hop is a **JSON Block**. Please see below for *set_ip_next-hop*

Type: Object

set_ip_next-hop

Specification	Value
Type	*object*

address

Description IP address of next hop

Type: string

Format: ipv4-address

set_metric

Specification	Value
Type	*object*

value

Description Metric Value (from -4294967295 to 4294967295)

Type: string

Format: string-rlx

Maximum Length: 11 characters

Maximum Length: 1 characters

set_as-path

Specification	Value
Type	*object*

num

Description AS number

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

num2

Description AS number

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

prepend

Description Prepend to the as-path (AS number)

Type: string

Format: string-rlx

set_comm-list

Specification	Value
Type	*object*

delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Community-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, v-std, and v-exp are mutually exclusive

name-delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v-exp

Description Community-list number (expanded)

Type: number

Range: 100-199

Mutual Exclusion: v-exp,v-std, name, and l-name are mutually exclusive

v-exp-delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v-std

Description Community-list number (standard)

Type: number

Range: 1-99

Mutual Exclusion: v-std,v-exp, name, l-v-exp, and l-name are mutually exclusive

set_local-preference

Specification	Value
Type	*object*

val

Description Preference value

Type: number

Range: 0-4294967295

set_ddos

Specification	Value
Type	*object*

class-list-cid

Description Class-List Cid

Type: number

Range: 1-32

class-list-name

Description Class-List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

zone

Description Zone Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

set_tag

Specification	Value
Type	*object*

value

Description Tag value

Type: number

Range: 0-4294967295

set_ipv6

Specification	Value
Type	*object*

next-hop-1

Description: next-hop-1 is a **JSON Block**. Please see below for *set_ipv6_next-hop-1*

Type: Object

set_ipv6_next-hop-1

Specification	Value
Type	*object*

address

Description global address of next hop

Type: string

Format: ipv6-address

local

Description: local is a **JSON Block**. Please see below for *set_ipv6_next-hop-1_local*

Type: Object

set_ipv6_next-hop-1_local

Specification	Value
Type	*object*

address

Description IPv6 address of next hop

Type: string

Format: ipv6-address

set_large-comm-list

Specification	Value
Type	*object*

l-name

Description Large Community-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: l-name, v-std, and v-exp are mutually exclusive

l-v-exp

Description Large Community-list number (expanded)

Type: number

Range: 100-199

Mutual Exclusion: l-v-exp and v-std are mutually exclusive

l-v-exp-delete

Description Delete matching large communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l-v-std

Description Large Community-list number (standard)

Type: number

Range: 1-99

l-v-std-delete

Description Delete matching large communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

large-name-delete

Description Delete matching large communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set_dampening-cfg

Specification	Value
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half-time

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-penalty

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

set_originator-id

Specification	Value
Type	*object*

originator-ip

Description IP address of originator

Type: string

Format: ipv4-address

set_metric-type

Specification	Value
Type	*object*

value

Description 'external': IS-IS external metric type; 'internal': IS-IS internal metric type; 'type-1': OSPF external type 1 metric; 'type-2': OSPF external type 2 metric;

Type: string

Supported Values: external, internal, type-1, type-2

match

Specification	Value
Type	*object*

as-path

Description: as-path is a **JSON Block**. Please see below for *match_as-path*

Type: Object

community

Description: community is a **JSON Block**. Please see below for *match_community*

Type: Object

extcommunity

Description: extcommunity is a **JSON Block**. Please see below for *match_extcommunity*

Type: Object

group

Description: group is a **JSON Block**. Please see below for *match_group*

Type: Object

interface

Description: interface is a **JSON Block**. Please see below for *match_interface*

Type: Object

ip

Description: ip is a **JSON Block**. Please see below for *match_ip*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *match_ipv6*

Type: Object

large-community

Description: large-community is a **JSON Block**. Please see below for *match_large-community*

Type: Object

local-preference

Description: local-preference is a **JSON Block**. Please see below for *match_local-preference*

Type: Object

metric

Description: metric is a **JSON Block**. Please see below for *match_metric*

Type: Object

origin

Description: origin is a **JSON Block**. Please see below for *match_origin*

Type: Object

route-type

Description: route-type is a **JSON Block**. Please see below for *match_route-type*

Type: Object

scaleout

Description: scaleout is a **JSON Block**. Please see below for *match_scaleout*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *match_tag*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

match_extcommunity

Specification	Value
Type	*object*

extcommunity-l-name

Description: extcommunity-l-name is a **JSON Block**. Please see below for *match_extcommunity_extcommunity-l-name*

Type: Object

match_extcommunity_extcommunity-l-name

Specification	Value
Type	*object*

exact-match

Description Do exact matching of ecommunities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description One or more Extended Community Lists (numbered or named)

Type: string

Format: string-rlx

match_origin

Specification	Value
Type	*object*

egp

Description remote EGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: egp, igp, and incomplete are mutually exclusive

igp

Description local IGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: igp, egp, and incomplete are mutually exclusive

incomplete

Description unknown heritage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: incomplete, egp, and igp are mutually exclusive

match_group

Specification	Value
Type	*object*

group-id

Description HA or VRRP-A group id

Type: number

Range: 0-31

ha-state

Description 'active': HA or VRRP-A in Active State; 'standby': HA or VRRP-A in Standby State;

Type: string

Supported Values: active, standby

match_ip

Specification	Value
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *match_ip_address*

Type: Object

next-hop

Description: next-hop is a **JSON Block**. Please see below for *match_ip_next-hop*

Type: Object

peer

Description: peer is a **JSON Block**. Please see below for *match_ip_peer*

Type: Object

rib

Description: rib is a **JSON Block**. Please see below for *match_ip_rib*

Type: Object

match_ip_peer

Specification	Value
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1, acl2, and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2, acl1, and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, acl1, and acl2 are mutually exclusive

match_ip_next-hop

Specification	Value
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1, acl2, and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2, acl1, and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, acl1, and acl2 are mutually exclusive

prefix-list-1

Description: prefix-list-1 is a **JSON Block**. Please see below for *match_ip_next-hop_prefix-list-1*

Type: Object

match_ip_next-hop_prefix-list-1

Specification	Value
Type	*object*

name

Description IP prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

match_ip_rib

Specification	Value
Type	*object*

exact

Description Exact match a prefix (Prefix IPv4 address)

Type: string

Format: ipv4-cidr

Mutual Exclusion: exact, reachable, and unreachable are mutually exclusive

reachable

Description IP address is reachable

Type: string

Format: ipv4-address

Mutual Exclusion: reachable, exact, and unreachable are mutually exclusive

unreachable

Description IP address is unreachable

Type: string

Format: ipv4-address

Mutual Exclusion: unreachable, exact, and reachable are mutually exclusive

match_ip_address

Specification	Value
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1, acl2, and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2, acl1, and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, acl1, and acl2 are mutually exclusive

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *match_ip_address_prefix-list*

Type: Object

match_ip_address_prefix-list

Specification	Value
Type	*object*

name

Description IP prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

match_metric

Specification	Value
Type	*object*

value

Description Metric value

Type: number

Range: 0-4294967295

match_ipv6

Specification	Value
Type	*object*

address-1

Description: address-1 is a **JSON Block**. Please see below for *match_ipv6_address-1*

Type: Object

next-hop-1

Description: next-hop-1 is a **JSON Block**. Please see below for *match_ipv6_next-hop-1*

Type: Object

peer-1

Description: peer-1 is a **JSON Block**. Please see below for *match_ipv6_peer-1*

Type: Object

rib

Description: rib is a **JSON Block**. Please see below for *match_ipv6_rib*

Type: Object

match_ipv6_next-hop-1

Specification	Value
Type	*object*

next-hop-acl-name

Description IPv6 access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: next-hop-acl-name and v6-addr are mutually exclusive

prefix-list-name

Description IPv6 prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

v6-addr

Description IPv6 address of next hop

Type: string

Format: ipv6-address

Mutual Exclusion: v6-addr and next-hop-acl-name are mutually exclusive

match_ipv6_rib

Specification	Value
Type	*object*

exact

Description Exact match a prefix (Prefix IPv6 address)

Type: string

Format: ipv6-address-plen

Mutual Exclusion: exact, reachable, and unreachable are mutually exclusive

reachable

Description IPv6 address is reachable

Type: string

Format: ipv6-address

Mutual Exclusion: reachable, exact, and unreachable are mutually exclusive

unreachable

Description IPv6 address is unreachable

Type: string

Format: ipv6-address

Mutual Exclusion: unreachable, exact, and reachable are mutually exclusive

match_ipv6_peer-1

Specification	Value
Type	*object*

acl1

Description IPv6 access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1, acl2, and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2, acl1, and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, acl1, and acl2 are mutually exclusive

match_ipv6_address-1

Specification	Value
Type	*object*

name

Description IPv6 access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-2

Description: prefix-list-2 is a **JSON Block**. Please see below for *match_ipv6_address-1_prefix-list-2*

Type: Object

match_ipv6_address-1_prefix-list-2

Specification	Value
Type	*object*

name

Description IPv6 prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

match_large-community

Specification	Value
Type	*object*

l-name-cfg

Description: l-name-cfg is a **JSON Block**. Please see below for *match_large-community_l-name-cfg*

Type: Object

match_large-community_l-name-cfg

Specification	Value
Type	*object*

exact-match

Description Do exact matching of large-communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description One or more Large Community Lists (numbered or named)

Type: string

Format: string-rlx

match_local-preference

Specification	Value
Type	*object*

val

Description Preference value

Type: number

Range: 0-4294967295

match_route-type

Specification	Value
Type	*object*

external

Description: external is a **JSON Block**. Please see below for *match_route-type_external*

Type: Object

match_route-type_external

Specification	Value
Type	*object*

value

Description 'type-1': Match OSPF External Type 1 metrics; 'type-2': Match OSPF External Type 2 metrics;

Type: string

Supported Values: type-1, type-2

match_tag

Specification	Value
Type	*object*

value

Description Tag value

Type: number

Range: 0-4294967295

match_community

Specification	Value
Type	*object*

name-cfg

Description: name-cfg is a **JSON Block**. Please see below for *match_community_name-cfg*

Type: Object

match_community_name-cfg

Specification	Value
Type	*object*

exact-match

Description Do exact matching of communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description One or more Community Lists (numbered or named)

Type: string

Format: string-rlx

match_as-path

Specification	Value
Type	*object*

name

Description AS path access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

match_interface

Specification	Value
Type	*object*

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,loopback, trunk, ve, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Range: 0-10

Mutual Exclusion: loopback,ethernet, trunk, ve, and tunnel are mutually exclusive

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

Mutual Exclusion: trunk,ethernet, loopback, ve, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,ethernet, loopback, trunk, and ve are mutually exclusive

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

Mutual Exclusion: ve,ethernet, loopback, trunk, and tunnel are mutually exclusive

match_scaleout

Specification	Value
Type	*object*

cluster-id

Description Scaleout Cluster-id

Type: number

Range: 1-64

ipv4

Description 'up': Scaleout is up and running; 'down': Scaleout is down or disabled;

Type: string

Supported Values: up, down

Mutual Exclusion: ipv4, operational-state, and ipv6 are mutually exclusive

ipv6

Description 'up': Scaleout is up and running; 'down': Scaleout is down or disabled;

Type: string

Supported Values: up, down

Mutual Exclusion: ipv6, operational-state, and ipv4 are mutually exclusive

operational-state

Description 'up': Scaleout is up and running; 'down': Scaleout is down or disabled;

Type: string

Supported Values: up, down

Mutual Exclusion: operational-state, ipv4, and ipv6 are mutually exclusive

2.106.2 route-map match

Match values from routing table

match Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	match
Element URI	/axapi/v3/route-map/{tag}+{action}+{sequence}/match
Element Attributes	match_attributes
Partition Visibility	shared
Schema	`match schema`

Operations Allowed:

Create Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

```
POST /axapi/v3/route-map/a+deny+1/match
Payload:
{
    "match": {
        "as-path": {
            "name": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

```
GET /axapi/v3/route-map/a+deny+1/match
Reponse:
{
    "match": {
        "as-path": {
            "name": "a"
        },
        "origin": {
            "egp": 0
        },
        "uuid": "23d617aa-09ad-11f0-837c-5323f81e20fe",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/route-map/a+deny+1/match"
    }
}
```

Modify Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

Replace Object

PUT

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

```
PUT /axapi/v3/route-map/a+deny+1/match
Payload:
{
    "match": {
        "as-path": {
            "name": "abcd"
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/route-map/{tag}+{action}+{sequence}/match

match attributes

```
DELETE /axapi/v3/route-map/a+deny+1/match
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

match attributes

as-path

Description: as-path is a **JSON Block**. Please see below for *as-path*

Type: Object

community

Description: community is a **JSON Block**. Please see below for *community*

Type: Object

extcommunity

Description: extcommunity is a **JSON Block**. Please see below for *extcommunity*

Type: Object

group

Description: group is a **JSON Block**. Please see below for *group*

Type: Object

interface

Description: interface is a **JSON Block**. Please see below for *interface*

Type: Object

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

large-community

Description: large-community is a **JSON Block**. Please see below for *large-community*

Type: Object

local-preference

Description: local-preference is a **JSON Block**. Please see below for *local-preference*

Type: Object

metric

Description: metric is a **JSON Block**. Please see below for *metric*

Type: Object

origin

Description: origin is a **JSON Block**. Please see below for *origin*

Type: Object

route-type

Description: route-type is a **JSON Block**. Please see below for *route-type*

Type: Object

scaleout

Description: scaleout is a **JSON Block**. Please see below for *scaleout*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *tag*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

extcommunity

Specification	Value
Type	*object*

extcommunity-l-name

Description: extcommunity-l-name is a **JSON Block**. Please see below for *extcommunity_extcommunity-l-name*

Type: Object

extcommunity_extcommunity-l-name

Specification	Value
Type	*object*

exact-match

Description Do exact matching of ecommunities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description One or more Extended Community Lists (numbered or named)

Type: string

Format: string-rlx

origin

Specification	Value
Type	*object*

egp

Description remote EGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: egp, igp, and incomplete are mutually exclusive

igp

Description local IGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: igp, egp, and incomplete are mutually exclusive

incomplete

Description unknown heritage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: incomplete, egp, and igp are mutually exclusive

group

Specification	Value
Type	*object*

group-id

Description HA or VRRP-A group id

Type: number

Range: 0-31

ha-state

Description 'active': HA or VRRP-A in Active State; 'standby': HA or VRRP-A in Standby State;

Type: string

Supported Values: active, standby

ip

Specification	Value
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *ip_address*

Type: Object

next-hop

Description: next-hop is a **JSON Block**. Please see below for *ip_next-hop*

Type: Object

peer

Description: peer is a **JSON Block**. Please see below for *ip_peer*

Type: Object

rib

Description: rib is a **JSON Block**. Please see below for *ip_rib*

Type: Object

ip_peer

Specification	Value
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1, acl2, and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2, acl1, and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, acl1, and acl2 are mutually exclusive

ip_next-hop

Specification	Value
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1, acl2, and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2, acl1, and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, acl1, and acl2 are mutually exclusive

prefix-list-1

Description: prefix-list-1 is a **JSON Block**. Please see below for *ip_next-hop_prefix-list-1*

Type: Object

ip_next-hop_prefix-list-1

Specification	Value
Type	*object*

name

Description IP prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip_rib

Specification	Value
Type	*object*

exact

Description Exact match a prefix (Prefix IPv4 address)

Type: string

Format: ipv4-cidr

Mutual Exclusion: exact, reachable, and unreachable are mutually exclusive

reachable

Description IP address is reachable

Type: string

Format: ipv4-address

Mutual Exclusion: reachable, exact, and unreachable are mutually exclusive

unreachable

Description IP address is unreachable

Type: string

Format: ipv4-address

Mutual Exclusion: unreachable, exact, and reachable are mutually exclusive

ip_address

Specification	Value
Type	*object*

acl1

Description IP access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1, acl2, and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2, acl1, and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, acl1, and acl2 are mutually exclusive

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *ip_address_prefix-list*

Type: Object

ip_address_prefix-list

Specification	Value
Type	*object*

name

Description IP prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

metric

Specification	Value
Type	*object*

value

Description Metric value

Type: number

Range: 0-4294967295

ipv6

Specification	Value
Type	*object*

address-1

Description: address-1 is a **JSON Block**. Please see below for *ipv6_address-1*

Type: Object

next-hop-1

Description: next-hop-1 is a **JSON Block**. Please see below for *ipv6_next-hop-1*

Type: Object

peer-1

Description: peer-1 is a **JSON Block**. Please see below for *ipv6_peer-1*

Type: Object

rib

Description: rib is a **JSON Block**. Please see below for *ipv6_rib*

Type: Object

ipv6_next-hop-1

Specification	Value
Type	*object*

next-hop-acl-name

Description IPv6 access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: next-hop-acl-name and v6-addr are mutually exclusive

prefix-list-name

Description IPv6 prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

v6-addr

Description IPv6 address of next hop

Type: string

Format: ipv6-address

Mutual Exclusion: v6-addr and next-hop-acl-name are mutually exclusive

ipv6_rib

Specification	Value
Type	*object*

exact

Description Exact match a prefix (Prefix IPv6 address)

Type: string

Format: ipv6-address-plen

Mutual Exclusion: exact, reachable, and unreachable are mutually exclusive

reachable

Description IPv6 address is reachable

Type: string

Format: ipv6-address

Mutual Exclusion: reachable, exact, and unreachable are mutually exclusive

unreachable

Description IPv6 address is unreachable

Type: string

Format: ipv6-address

Mutual Exclusion: unreachable, exact, and reachable are mutually exclusive

ipv6_peer-1

Specification	Value
Type	*object*

acl1

Description IPv6 access-list number

Type: number

Range: 1-199

Mutual Exclusion: acl1, acl2, and name are mutually exclusive

acl2

Description IP access-list number (expanded range)

Type: number

Range: 1300-2699

Mutual Exclusion: acl2, acl1, and name are mutually exclusive

name

Description IP access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, acl1, and acl2 are mutually exclusive

ipv6_address-1

Specification	Value
Type	*object*

name

Description IPv6 access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-2

Description: prefix-list-2 is a **JSON Block**. Please see below for *ipv6_address-1_prefix-list-2*

Type: Object

ipv6_address-1_prefix-list-2

Specification	Value
Type	*object*

name

Description IPv6 prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

large-community

Specification	Value
Type	*object*

l-name-cfg

Description: l-name-cfg is a **JSON Block**. Please see below for *large-community_l-name-cfg*

Type: Object

large-community_l-name-cfg

Specification	Value
Type	*object*

exact-match

Description Do exact matching of large-communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description One or more Large Community Lists (numbered or named)

Type: string

Format: string-rlx

local-preference

Specification	Value
Type	*object*

val

Description Preference value

Type: number

Range: 0-4294967295

route-type

Specification	Value
Type	*object*

external

Description: external is a **JSON Block**. Please see below for *route-type_external*

Type: Object

route-type_external

Specification	Value
Type	*object*

value

Description 'type-1': Match OSPF External Type 1 metrics; 'type-2': Match OSPF External Type 2 metrics;

Type: string

Supported Values: type-1, type-2

tag

Specification	Value
Type	*object*

value

Description Tag value

Type: number

Range: 0-4294967295

community

Specification	Value
Type	*object*

name-cfg

Description: name-cfg is a **JSON Block**. Please see below for *community_name-cfg*

Type: Object

community_name-cfg

Specification	Value
Type	*object*

exact-match

Description Do exact matching of communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description One or more Community Lists (numbered or named)

Type: string

Format: string-rlx

as-path

Specification	Value
Type	*object*

name

Description AS path access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

interface

Specification	Value
Type	*object*

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,loopback, trunk, ve, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Range: 0-10

Mutual Exclusion: loopback,ethernet, trunk, ve, and tunnel are mutually exclusive

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

Mutual Exclusion: trunk,ethernet, loopback, ve, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,ethernet, loopback, trunk, and ve are mutually exclusive

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

Mutual Exclusion: ve,ethernet, loopback, trunk, and tunnel are mutually exclusive

scaleout

Specification	Value
Type	*object*

cluster-id

Description Scaleout Cluster-id

Type: number

Range: 1-64

ipv4

Description 'up': Scaleout is up and running; 'down': Scaleout is down or disabled;

Type: string

Supported Values: up, down

Mutual Exclusion: ipv4, operational-state, and ipv6 are mutually exclusive

ipv6

Description 'up': Scaleout is up and running; 'down': Scaleout is down or disabled;

Type: string

Supported Values: up, down

Mutual Exclusion: ipv6, operational-state, and ipv4 are mutually exclusive

operational-state

Description 'up': Scaleout is up and running; 'down': Scaleout is down or disabled;

Type: string

Supported Values: up, down

Mutual Exclusion: operational-state, ipv4, and ipv6 are mutually exclusive

2.106.3 route-map set

Set values in destination routing protocol

set Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	set
Element URI	/axapi/v3/route-map/{tag}+{action}+{sequence}/set
Element Attributes	set_attributes
Partition Visibility	shared
Schema	`set schema`

Operations Allowed:

Create Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

```
POST /axapi/v3/route-map/a+permit+1/set
Payload:
{
    "set": {
        "ip": {
            "next-hop": {
                "address": "3.3.3.3"
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

```
GET /axapi/v3/route-map/a+permit+1/set
Reponse:
{
    "set": {
        "ip": {
            "next-hop": {
                "address": "3.3.3.3"
            }
        },
```

(continues on next page)

(continued from previous page)

```
        "atomic-aggregate": 0,
        "dampening-cfg": {
            "dampening": 0
        },
        "origin": {
            "egp": 0
        },
        "uuid": "6c3ff500-09ae-11f0-837c-5323f81e20fe",
        "a10-url": "/axapi/v3/route-map/a+permit+1/set"
    }
}
```

Modify Object

POST

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

Replace Object

PUT

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

```
PUT /axapi/v3/route-map/a+permit+1/set
Payload:
{
    "set": {
        "ip": {
            "next-hop": {
                "address": "3.3.3.4"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/route-map/{tag}+{action}+{sequence}/set

set attributes

```
DELETE /axapi/v3/route-map/a+permit+1/set
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

set attributes

aggregator

Description: aggregator is a **JSON Block**. Please see below for *aggregator*

Type: Object

as-path

Description: as-path is a **JSON Block**. Please see below for *as-path*

Type: Object

atomic-aggregate

Description BGP atomic aggregate attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-list

Description: comm-list is a **JSON Block**. Please see below for *comm-list*

Type: Object

community

Description BGP community attribute

Type: string

Format: string-rlx

dampening-cfg

Description: dampening-cfg is a **JSON Block**. Please see below for *dampening-cfg*

Type: Object

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

extcommunity

Description: extcommunity is a **JSON Block**. Please see below for *extcommunity*

Type: Object

ip

Description: ip is a **JSON Block**. Please see below for *ip*

Type: Object

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

large-comm-list

Description: large-comm-list is a **JSON Block**. Please see below for *large-comm-list*

Type: Object

large-community

Description BGP large community attribute

Type: string

Format: string-rlx

level

Description: level is a **JSON Block**. Please see below for *level*

Type: Object

local-preference

Description: local-preference is a **JSON Block**. Please see below for *local-preference*

Type: Object

metric

Description: metric is a **JSON Block**. Please see below for *metric*

Type: Object

metric-type

Description: metric-type is a **JSON Block**. Please see below for *metric-type*

Type: Object

origin

Description: origin is a **JSON Block**. Please see below for *origin*

Type: Object

originator-id

Description: originator-id is a **JSON Block**. Please see below for *originator-id*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *tag*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description: weight is a **JSON Block**. Please see below for *weight*

Type: Object

extcommunity

Specification	Value
Type	*object*

rt

Description: rt is a **JSON Block**. Please see below for *extcommunity_rt*

Type: Object

soo

Description: soo is a **JSON Block**. Please see below for *extcommunity_soo*

Type: Object

extcommunity_rt

Specification	Value
Type	*object*

value

Description VPN extended community

Type: string

Format: string-rlx

extcommunity_soo

Specification	Value
Type	*object*

value

Description VPN extended community

Type: string

Format: string-rlx

origin

Specification	Value
Type	*object*

egp

Description remote EGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: egp, igp, and incomplete are mutually exclusive

igp

Description local IGP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: igp, egp, and incomplete are mutually exclusive

incomplete

Description unknown heritage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: incomplete, egp, and igp are mutually exclusive

aggregator

Specification	Value
Type	*object*

aggregator-as

Description: aggregator-as is a **JSON Block**. Please see below for *aggregator_aggregator-as*

Type: Object

aggregator_aggregator-as

Specification	Value
Type	*object*

asn

Description AS number

Type: number

Range: 1-4294967295

ip

Description IP address of aggregator

Type: string

Format: ipv4-address

weight

Specification	Value
Type	*object*

weight-val

Description Weight value

Type: number

Range: 0-4294967295

level

Specification	Value
Type	*object*

value

Description 'level-1': Export into a level-1 area; 'level-1-2': Export into level-1 and level-2; 'level-2': Export into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

ip

Specification	Value
Type	*object*

next-hop

Description: next-hop is a **JSON Block**. Please see below for *ip_next-hop*

Type: Object

ip_next-hop

Specification	Value
Type	*object*

address

Description IP address of next hop

Type: string

Format: ipv4-address

metric

Specification	Value
Type	*object*

value

Description Metric Value (from -4294967295 to 4294967295)

Type: string

Format: string-rlx

Maximum Length: 11 characters

Maximum Length: 1 characters

as-path

Specification	Value
Type	*object*

num

Description AS number

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

num2

Description AS number

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

prepend

Description Prepend to the as-path (AS number)

Type: string

Format: string-rlx

comm-list

Specification	Value
Type	*object*

delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Community-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: name, v-std, and v-exp are mutually exclusive

name-delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v-exp

Description Community-list number (expanded)

Type: number

Range: 100-199

Mutual Exclusion: v-exp,v-std, name, and l-name are mutually exclusive

v-exp-delete

Description Delete matching communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v-std

Description Community-list number (standard)

Type: number

Range: 1-99

Mutual Exclusion: v-std,v-exp, name, l-v-exp, and l-name are mutually exclusive

local-preference

Specification	Value
Type	*object*

val

Description Preference value

Type: number

Range: 0-4294967295

ddos

Specification	Value
Type	*object*

class-list-cid

Description Class-List Cid

Type: number

Range: 1-32

class-list-name

Description Class-List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

zone

Description Zone Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

tag

Specification	Value
Type	*object*

value

Description Tag value

Type: number

Range: 0-4294967295

ipv6

Specification	Value
Type	*object*

next-hop-1

Description: next-hop-1 is a **JSON Block**. Please see below for *ipv6_next-hop-1*

Type: Object

ipv6_next-hop-1

Specification	Value
Type	*object*

address

Description global address of next hop

Type: string

Format: ipv6-address

local

Description: local is a **JSON Block**. Please see below for *ipv6_next-hop-1_local*

Type: Object

ipv6_next-hop-1_local

Specification	Value
Type	*object*

address

Description IPv6 address of next hop

Type: string

Format: ipv6-address

large-comm-list

Specification	Value
Type	*object*

l-name

Description Large Community-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: l-name, v-std, and v-exp are mutually exclusive

l-v-exp

Description Large Community-list number (expanded)

Type: number

Range: 100-199

Mutual Exclusion: l-v-exp and v-std are mutually exclusive

l-v-exp-delete

Description Delete matching large communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l-v-std

Description Large Community-list number (standard)

Type: number

Range: 1-99

l-v-std-delete

Description Delete matching large communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

large-name-delete

Description Delete matching large communities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-cfg

Specification	Value
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half-time

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-penalty

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

originator-id

Specification	Value
Type	*object*

originator-ip

Description IP address of originator

Type: string

Format: ipv4-address

metric-type

Specification	Value
Type	*object*

value

Description 'external': IS-IS external metric type; 'internal': IS-IS internal metric type; 'type-1': OSPF external type 1 metric; 'type-2': OSPF external type 2 metric;

Type: string

Supported Values: external, internal, type-1, type-2

2.107 router

Objects:

2.107.1 router

Configure routing process

router Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	router
Element URI	/axapi/v3/router
Element Attributes	router_attributes
Partition Visibility	shared
Schema	`router schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router

router_attributes

router attributes

bgp-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/router/ipv6*

isis-list

Type: List

Reference Object: */axapi/v3/router/isis/{tag}*

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

Reference Object: */axapi/v3/router/log*

ospf-list

Type: List

Reference Object: */axapi/v3/router/ospf/{process-id}*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/router/rip*

ospf-list

Specification	Value
Type	*list*
Block object keys	

area-list

Type: List

Reference Object: */axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *ospf-list_default-information*

Type: Object

Reference Object: */axapi/v3/router/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distance

Description: distance is a **JSON Block**. Please see below for *ospf-list_distance*

Type: Object

distribute-internal-list

Type: List

distribute-lists

Type: List

extern-lsa-equivalence-check

Description external LSA equivalance check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-standby-extra-cost

Type: List

host-list

Type: List

log-adjacency-changes-cfg

Description: log-adjacency-changes-cfg is a **JSON Block**. Please see below for *ospf-list_log-adjacency-changes-cfg*

Type: Object

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

maximum-area

Description Maximum number of non-backbone areas (OSPF area limit)

Type: number

Range: 1-4294967294

neighbor-list

Type: List

network-list

Type: List

ospf-1

Description: ospf-1 is a **JSON Block**. Please see below for *ospf-list_ospf-1*

Type: Object

overflow

Description: overflow is a **JSON Block**. Please see below for *ospf-list_overflow*

Type: Object

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *ospf-list_passive-interface*

Type: Object

process-id

Description OSPF process ID

Type: number

Range: 0-65535

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ospf-list_redistribute*

Type: Object

Reference Object: */axapi/v3/router/ospf/{process-id}/redistribute*

rfc1583-compatible

Description Compatible with RFC 1583

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-id

Description: router-id is a **JSON Block**. Please see below for *ospf-list_router-id*

Type: Object

summary-address-list

Type: List

timers

Description: timers is a **JSON Block**. Please see below for *ospf-list_timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-list_distribute-internal-list

Specification	Value
Type	*list*
Block object keys	

di-area-ipv4

Description OSPF area ID as a IP address format

Type: string

Format: ipv4-address

di-area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

di-cost

Description Cost of route

Type: number

Range: 1-65535

Default: 1

di-type

Description 'lw4o6': LW4O6 Prefix; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'static-nat': Static NAT; 'vip': Only not flagged Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, floating-ip, ip-nat, ip-nat-list, static-nat, public-ip, vip, vip-only-flagged

ospf-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

option

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ospf-id

Description OSPF process ID

Type: number

Range: 1-65535

protocol

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'lw4o6': LW4O6 Prefix; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'static-nat': Static NAT; 'isis': ISO IS-IS; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, lw4o6, ip-nat, ip-nat-list, static-nat, public-ip, isis, ospf, rip, static

value

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-list_router-id

Specification	Value
Type	*object*

value

Description OSPF router-id in IPv4 address format

Type: string

Format: ipv4-address

ospf-list_neighbor-list

Specification	Value
Type	*list*
Block object keys	

address

Description Neighbor address

Type: string

Format: ipv4-address

cost

Description OSPF cost for point-to-multipoint neighbor (Metric)

Type: number

Range: 1-65535

poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 1-65535

priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf-list_ospf-1

Specification	Value
Type	*object*

abr-type

Description: abr-type is a **JSON Block**. Please see below for *ospf-list_ospf-1_abr-type*

Type: Object

ospf-list_ospf-1_abr-type

Specification	Value
Type	*object*

option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'shortcut': Shortcut ABR; 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, shortcut, standard

Default: cisco

ospf-list_host-list

Specification	Value
Type	*list*
Block object keys	

area-cfg

Description: area-cfg is a **JSON Block**. Please see below for *ospf-list_host-list_area-cfg*

Type: Object

host-address

Description Host address

Type: string

Format: ipv4-address

ospf-list_host-list_area-cfg

Specification	Value
Type	*object*

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Mutual Exclusion: area-ipv4 and area-num are mutually exclusive

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

Mutual Exclusion: area-num and area-ipv4 are mutually exclusive

cost

Description Cost of host

Type: number

Range: 0-65535

Default: 0

ospf-list_log-adjacency-changes-cfg

Specification	Value
Type	*object*

state

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

ospf-list_area-list

Specification	Value
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *ospf-list_area-list_auth-cfg*

Type: Object

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

filter-lists

Type: List

nssa-cfg

Description: nssa-cfg is a **JSON Block**. Please see below for *ospf-list_area-list_nssa-cfg*

Type: Object

range-list

Type: List

shortcut

Description 'default': Set default shortcutting behavior; 'disable': Disable shortcutting through the area; 'enable': Enable shortcutting through the area;

Type: string

Supported Values: default, disable, enable

Default: default

stub-cfg

Description: stub-cfg is a **JSON Block**. Please see below for *ospf-list_area-list_stub-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

ospf-list_area-list_nssa-cfg

Specification	Value
Type	*object*

default-information-originate

Description Originate Type 7 default into NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

Default: 1

metric-type

Description OSPF metric type (OSPF metric type for default routes)

Type: number

Range: 1-2

Default: 2

no-redistribution

Description No redistribution into this NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-summary

Description Do not send summary LSA into NSSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nssa

Description Specify a NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translator-role

Description 'always': Translate always; 'candidate': Candidate for translator (default); 'never': Do not translate;

Type: string

Supported Values: always, candidate, never

Default: candidate

ospf-list_area-list_filter-lists

Specification	Value
Type	*list*
Block object keys	

acl-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

acl-name

Description Filter networks by access-list (Name of an access-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list

Description Filter networks between OSPF areas

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

plist-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

plist-name

Description Filter networks by prefix-list (Name of an IP prefix-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-list_area-list_virtual-link-list

Specification	Value
Type	*list*
Block object keys	

authentication-key

Description Set authentication key (Authentication key (8 chars))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

md5

Description Use MD5 algorithm (Authentication key (16 chars))

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Set message digest key (Key ID)

Type: number

Range: 1-255

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

virtual-link-auth-type

Description 'message-digest': Use message-digest authentication; 'null': Use null authentication;

Type: string

Supported Values: message-digest, null

virtual-link-authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

virtual-link-ip-addr

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

ospf-list_area-list_stub-cfg

Specification	Value
Type	*object*

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stub

Description Configure OSPF area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-list_area-list_auth-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest

Description Use message-digest authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospf-list_area-list_range-list

Specification	Value
Type	*list*
Block object keys	

area-range-prefix

Description Area range for IPv4 prefix

Type: string

Format: ipv4-cidr

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

Default: advertise

ospf-list_summary-address-list

Specification	Value
Type	*list*
Block object keys	

not-advertise

Description Suppress routes that match the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-address

Description Configure IP address summaries (Summary prefix)

Type: string

Format: ipv4-cidr

tag

Description Set tag (32-bit tag value)

Type: number

Range: 0-4294967295

ospf-list_passive-interface

Specification	Value
Type	*object*

eth-cfg

Type: List

lif-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

ospf-list_passive-interface_tunnel-cfg

Specification	Value
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

tunnel-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

loopback-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ve-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_lif-cfg

Specification	Value
Type	*list*
Block object keys	

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

lif-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

trunk-address

Description Address of Interface

Type: string

Format: ipv4-address

ospf-list_passive-interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

eth-address

Description Address of Interface

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

ospf-list_default-information

Specification	Value
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-list_overflow

Specification	Value
Type	*object*

database

Description: database is a **JSON Block**. Please see below for *ospf-list_overflow_database*

Type: Object

ospf-list_overflow_database

Specification	Value
Type	*object*

count

Description Maximum number of LSAs

Type: number

Range: 0-4294967294

Default: 4294967294

db-external

Description Maximum number of LSAs

Type: number

Range: 0-2147483647

Default: 2147483647

limit

Description 'hard': Hard limit: Instance will be shutdown if exceeded; 'soft': Soft limit: Warning will be given if exceeded;

Type: string

Supported Values: hard, soft

Default: hard

recovery-time

Description Time to recover (0 not recover)

Type: number

Range: 0-65535

Default: 0

ospf-list_distance

Specification	Value
Type	*object*

distance-ospf

Description: distance-ospf is a **JSON Block**. Please see below for *ospf-list_distance_distance-ospf*

Type: Object

distance-value

Description OSPF Administrative distance

Type: number

Range: 1-255

Default: 110

ospf-list_distance_distance-ospf

Specification	Value
Type	*object*

distance-external

Description External routes (Distance for external routes)

Type: number

Range: 1-255

distance-inter-area

Description Inter-area routes (Distance for inter-area routes)

Type: number

Range: 1-255

distance-intra-area

Description Intra-area routes (Distance for intra-area routes)

Type: number

Range: 1-255

ospf-list_redistribute

Specification	Value
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ip-nat

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

ospf-list_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, lw4o6, nat-map, static-nat, public-ip, isis, rip, static

ospf-list_redistribute_ospf-list

Specification	Value
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: number

Range: 1-65535

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ospf

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

ospf-list_redistribute_ip-nat-floating-list

Specification	Value
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

ip-nat-prefix

Description Address

Type: string

Format: ipv4-cidr

ospf-list_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-vip

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ospf-list_redistribute_vip-floating-list

Specification	Value
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv4-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

ospf-list_network-list

Specification	Value
Type	*list*
Block object keys	

network-area

Description: network-area is a **JSON Block**. Please see below for *ospf-list_network-list_network-area*

Type: Object

network-ipv4

Description Network number

Type: string

Format: ipv4-address

network-ipv4-cidr

Description OSPF network prefix

Type: string

Format: ipv4-cidr

network-ipv4-mask

Description OSPF wild card bits

Type: string

Format: ipv4-rev-netmask

ospf-list_network-list_network-area

Specification	Value
Type	*object*

instance-value

Description Instance ID

Type: number

Range: 0-255

Default: 0

network-area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

network-area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

ospf-list_timers

Specification	Value
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *ospf-list_timers_spf*

Type: Object

ospf-list_timers_spf

Specification	Value
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *ospf-list_timers_spf_exp*

Type: Object

ospf-list_timers_spf_exp

Specification	Value
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ospf-list_ha-standby-extra-cost

Specification	Value
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

log

Specification	Value
Type	*object*

file

Description: file is a **JSON Block**. Please see below for *log_file*

Type: Object

Reference Object: */axapi/v3/router/log/file*

log-buffer

Description Logging goes to log-buffer

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log_file

Specification	Value
Type	*object*

name

Description Logging filename (File name)

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

per-protocol

Description Per protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotate

Description Log file rotation (Number of backup files)

Type: number

Range: 0-100

size

Description Log file maximum size (File size in MBytes)

Type: number

Range: 0-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip

Specification	Value
Type	*object*

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distance-list-cfg

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *rip_distribute-list*

Type: Object

Reference Object: */axapi/v3/router/rip/distribute-list*

neighbor

Type: List

network-addresses

Type: List

network-interface-list-cfg

Type: List

offset-list

Description: offset-list is a **JSON Block**. Please see below for *rip_offset-list*

Type: Object

Reference Object: */axapi/v3/router/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIP UDP receive buffer size (the RIP UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *rip_redistribute*

Type: Object

Reference Object: */axapi/v3/router/rip/redistribute*

rip-maximum-prefix-cfg

Description: rip-maximum-prefix-cfg is a **JSON Block**. Please see below for *rip_rip-maximum-prefix-cfg*

Type: Object

route-cfg

Type: List

timers

Description: timers is a **JSON Block**. Please see below for *rip_timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description Set routing protocol version (RIP version)

Type: number

Range: 1-2

Default: 2

rip_rip-maximum-prefix-cfg

Specification	Value
Type	*object*

maximum-prefix

Description Set the maximum number of RIP routes

Type: number

Range: 1-2048

maximum-prefix-thres

Description Percentage of maximum routes to generate a warning (Default 75%)

Type: number

Range: 1-100

Default: 75

rip_route-cfg

Specification	Value
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix network/length)

Type: string

Format: ipv4-cidr

rip_passive-interface-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_redistribute

Specification	Value
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

rip_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

rip_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, static-nat, public-ip, ospf, static

rip_network-interface-list-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_timers

Specification	Value
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *rip_timers_timers-cfg*

Type: Object

rip_timers_timers-cfg

Specification	Value
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

rip_neighbor

Specification	Value
Type	*list*
Block object keys	

value

Description Neighbor address

Type: string

Format: ipv4-address

rip_offset-list

Specification	Value
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_offset-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distribute-list

Specification	Value
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *rip_distribute-list_prefix*

Type: Object

Reference Object: */axapi/v3/router/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_distribute-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distribute-list_prefix

Specification	Value
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_distribute-list_prefix_prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distance-list-cfg

Specification	Value
Type	*list*
Block object keys	

distance

Description Administrative distance (Distance value)

Type: number

Range: 1-255

Default: 120

distance-acl

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distance-ipv4-mask

Description IP source prefix

Type: string

Format: ipv4-cidr

rip_network-addresses

Specification	Value
Type	*list*
Block object keys	

network-ipv4-mask

Description IP prefix network/length, e.g., 35.0.0.0/8

Type: string

Format: ipv4-cidr

bgp-list

Specification	Value
Type	*list*
Block object keys	

address-family

Description: address-family is a **JSON Block**. Please see below for *bgp-list_address-family*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family*

aggregate-address-list

Type: List

as-number

Description AS number

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp-list_bgp*

Type: Object

distance-list

Type: List

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *bgp-list_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor*

network

Description: network is a **JSON Block**. Please see below for *bgp-list_network*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network*

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *bgp-list_redistribute*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description: timers is a **JSON Block**. Please see below for *bgp-list_timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_redistribute

Specification	Value
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_nat-map-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_ospf-cfg*

Type: Object

public-ip-cfg

Description: public-ip-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_public-ip-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *bgp-list_redistribute_vip*

Type: Object

bgp-list_redistribute_ip-nat-list-cfg

Specification	Value
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_lw4o6-cfg

Specification	Value
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_connected-cfg

Specification	Value
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_vip

Specification	Value
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *bgp-list_redistribute_vip_only-not-flagged-cfg*

Type: Object

bgp-list_redistribute_vip_only-not-flagged-cfg

Specification	Value
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_vip_only-flagged-cfg

Specification	Value
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_ip-nat-cfg

Specification	Value
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_floating-ip-cfg

Specification	Value
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_isis-cfg

Specification	Value
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_nat-map-cfg

Specification	Value
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_rip-cfg

Specification	Value
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_ospf-cfg

Specification	Value
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_redistribute_static-nat-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_redistribute_static-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_redistribute_public-ip-cfg

Specification	Value
Type	*object*

public-ip

Description Public IPv6/IPv4 Prefixes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_aggregate-address-list

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate prefix)

Type: string

Format: ipv4-cidr

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_bgp

Specification	Value
Type	*object*

always-compare-med

Description Allow comparing MED from different neighbors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bestpath-cfg

Description: bestpath-cfg is a **JSON Block**. Please see below for *bgp-list_bgp_bestpath-cfg*

Type: Object

bgp-restart-time

Description BGP Peer Graceful Restart time in seconds (default 90)

Type: number

Range: 1-3600

Default: 90

bgp-stalepath-time

Description BGP Graceful Restart Stalepath retention time in seconds (default 360)

Type: number

Range: 1-3600

Default: 360

dampening-cfg

Description: dampening-cfg is a **JSON Block**. Please see below for *bgp-list_bgp_dampening-cfg*

Type: Object

deterministic-med

Description Pick the best-MED path among paths advertised from the neighboring AS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-first-as

Description Enforce the first AS for EBGP routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-external-failover

Description Immediately reset session if a link to a directly connected external peer goes down

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

graceful-restart

Description Configure BGP BGP Graceful Restart

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-preference-value

Description Configure default local preference value

Type: number

Range: 0-4294967295

Default: 100

log-neighbor-changes

Description Log neighbor up/down and reset reason

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nexthop-trigger-count

Description BGP nexthop-tracking status (count)

Type: number

Range: 0-127

Default: 0

router-id

Description Override current router identifier (peers will reset) (Manually configured router identifier)

Type: string

Format: ipv4-address

scan-time

Description Configure background scan interval (Scan interval (sec) [Default:60 Disable:0])

Type: number

Range: 0-60

Default: 60

bgp-list_bgp_dampening-cfg

Specification	Value
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half-time

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-penalty

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_bgp_bestpath-cfg

Specification	Value
Type	*object*

compare-routerid

Description Compare router-id for identical EBGP paths

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore

Description Ignore as-path length in selecting a route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-as-worst

Description Treat missing MED as the least preferred one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-recv-med

Description To remove rcvd MED attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-send-med

Description To remove send MED attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_network

Specification	Value
Type	*object*

ip-cidr-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}*

monitor

Description: monitor is a **JSON Block**. Please see below for *bgp-list_network_monitor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/monitor*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *bgp-list_network_synchronization*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/synchronization*

bgp-list_network_synchronization

Specification	Value
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_network_monitor

Specification	Value
Type	*object*

default

Description: default is a **JSON Block**. Please see below for *bgp-list_network_monitor_default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/monitor/default*

bgp-list_network_monitor_default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_network_ip-cidr-list

Specification	Value
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv4-cidr

Description Specify network mask

Type: string

Format: ipv4-cidr

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_timers

Specification	Value
Type	*object*

bgp-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

bgp-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

bgp-list_neighbor

Specification	Value
Type	*object*

ethernet-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}*

ve-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}*

bgp-list_neighbor_ve-neighbor-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

bgp-list_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-name,advertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers, and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

telemetry

Description Send BGP update to telemetry db

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_neighbor_ipv4-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_peer-group-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-route-map-lists

Type: List

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-key

Description Configure peer-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-name,advertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers, and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

telemetry

Description Send BGP update to telemetry db

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_neighbor_ipv6-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_neighbor_ethernet-neighbor-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_neighbor_trunk-neighbor-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_distance-list

Specification	Value
Type	*list*
Block object keys	

acl-str

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

admin-distance

Description Define an administrative distance

Type: number

Range: 1-255

ext-routes-dist

Description Distance for routes external to the AS

Type: number

Range: 1-255

int-routes-dist

Description Distance for routes internal to the AS

Type: number

Range: 1-255

local-routes-dist

Description Distance for local routes

Type: number

Range: 1-255

src-prefix

Description IP source prefix

Type: string

Format: ipv4-cidr

bgp-list_address-family

Specification	Value
Type	*object*

ipv4-flowspec

Description: ipv4-flowspec is a **JSON Block**. Please see below for *bgp-list_address-family_ipv4-flowspec*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6*

ipv6-flowspec

Description: ipv6-flowspec is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6-flowspec*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec*

bgp-list_address-family_ipv6-flowspec

Specification	Value
Type	*object*

neighbor

Description: neighbor is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6-flowspec_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6-flowspec_neighbor

Specification	Value
Type	*object*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

bgp-list_address-family_ipv6-flowspec_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6-flowspec_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6-flowspec_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6-flowspec_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv4-flowspec

Specification	Value
Type	*object*

neighbor

Description: neighbor is a **JSON Block**. Please see below for *bgp-list_address-family_ipv4-flowspec_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv4-flowspec_neighbor

Specification	Value
Type	*object*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

bgp-list_address-family_ipv4-flowspec_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv4-flowspec_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv4-flowspec_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv4-flowspec_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6

Specification	Value
Type	*object*

aggregate-address-list

Type: List

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_bgp*

Type: Object

distance

Description: distance is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_distance*

Type: Object

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor*

network

Description: network is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_network*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network*

originate

Description Distribute an IPv6 default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_distance

Specification	Value
Type	*object*

distance-ext

Description Distance for routes external to the AS

Type: number

Range: 1-255

distance-int

Description Distance for routes internal to the AS

Type: number

Range: 1-255

distance-local

Description Distance for local routes

Type: number

Range: 1-255

bgp-list_address-family_ipv6_redistribute

Specification	Value
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_ospf-cfg*

Type: Object

public-ip-cfg

Description: public-ip-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_public-ip-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_vip*

Type: Object

bgp-list_address-family_ipv6_redistribute_ip-nat-list-cfg

Specification	Value
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_lw4o6-cfg

Specification	Value
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_nat64-cfg

Specification	Value
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_connected-cfg

Specification	Value
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_vip

Specification	Value
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_redistribute_vip_only-not-flagged-cfg*

Type: Object

bgp-list_address-family_ipv6_redistribute_vip_only-not-flagged-cfg

Specification	Value
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_vip_only-flagged-cfg

Specification	Value
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_ip-nat-cfg

Specification	Value
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_floating-ip-cfg

Specification	Value
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_isis-cfg

Specification	Value
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_nat-map-cfg

Specification	Value
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_rip-cfg

Specification	Value
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_ospf-cfg

Specification	Value
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_redistribute_static-nat-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_address-family_ipv6_redistribute_static-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_address-family_ipv6_redistribute_public-ip-cfg

Specification	Value
Type	*object*

public-ip

Description Public IPv6/IPv4 Prefixes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_aggregate-address-list

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate IPv6 prefix)

Type: string

Format: ipv6-address-plen

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp-list_address-family_ipv6_bgp

Specification	Value
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-start-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-start-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

dampening-unreachability

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_network

Specification	Value
Type	*object*

ipv6-network-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

monitor

Description: monitor is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_network_monitor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_network_synchronization*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

bgp-list_address-family_ipv6_network_ipv6-network-list

Specification	Value
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_network_synchronization

Specification	Value
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_network_monitor

Specification	Value
Type	*object*

default

Description: default is a **JSON Block**. Please see below for *bgp-list_address-family_ipv6_network_monitor_default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default*

bgp-list_address-family_ipv6_network_monitor_default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor

Specification	Value
Type	*object*

ethernet-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

bgp-list_address-family_ipv6_neighbor_ethernet-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_peer-group-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_address-family_ipv6_neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ve-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

bgp-list_address-family_ipv6_neighbor_trunk-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

bgp-list_address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6

Specification	Value
Type	*object*

ospf-list

Type: List

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}*

rip

Description: rip is a **JSON Block**. Please see below for *ipv6_rip*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip*

ipv6_ospf-list

Specification	Value
Type	*list*
Block object keys	

abr-type-option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, standard

Default: cisco

area-list

Type: List

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *ipv6_ospf-list_default-information*

Type: Object

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distribute-internal-list

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *ipv6_ospf-list_distribute-list*

Type: Object

ha-standby-extra-cost

Type: List

log-adjacency-changes

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *ipv6_ospf-list_passive-interface*

Type: Object

process-id

Description OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ipv6_ospf-list_redistribute*

Type: Object

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/redistribute*

router-id

Description router-id for the OSPF process (OSPFv3 router-id in IPv4 address format)

Type: string

Format: ipv4-address

timers

Description: timers is a **JSON Block**. Please see below for *ipv6_ospf-list_timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf-list_distribute-internal-list

Specification	Value
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Default: 255.255.255.255

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

cost

Description Cost

Type: number

Range: 1-65535

Default: 1

type

Description 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'static-nat': Static NAT; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'vip': Only not flagged Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, nat64, static-nat, public-ip, floating-ip, ip-nat, ip-nat-list, vip, vip-only-flagged

ipv6_ospf-list_redistribute

Specification	Value
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

ipv6_ospf-list_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, nat-map, static-nat, public-ip, nat64, lw4o6, isis, rip, static

ipv6_ospf-list_redistribute_ospf-list

Specification	Value
Type	*list*
Block object keys	

metric-ospf

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPFV3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_ospf-list_redistribute_ip-nat-floating-list

Specification	Value
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ip-nat-prefix

Description Address

Type: string

Format: ipv6-address-plen

ipv6_ospf-list_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ipv6_ospf-list_redistribute_vip-floating-list

Specification	Value
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv6-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ipv6_ospf-list_distribute-list

Specification	Value
Type	*object*

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *ipv6_ospf-list_distribute-list_prefix-list*

Type: Object

ipv6_ospf-list_distribute-list_prefix-list

Specification	Value
Type	*object*

direction

Description 'in': Filter incoming routing updates;

Type: string

Supported Values: in

value

Description Prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_ospf-list_area-list

Specification	Value
Type	*list*
Block object keys	

area-ipv4

Description OSPFv3 area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPFv3 area ID as a decimal value

Type: number

Range: 0-4294967295

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Type: List

stub

Description Configure OSPFv3 area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

ipv6_ospf-list_area-list_virtual-link-list

Specification	Value
Type	*list*
Block object keys	

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

instance-id

Description OSPFv3 instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

value

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

ipv6_ospf-list_area-list_range-list

Specification	Value
Type	*list*
Block object keys	

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

value

Description Area range for IPv6 prefix

Type: string

Format: ipv6-address-plen

ipv6_ospf-list_default-information

Specification	Value
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_ospf-list_passive-interface

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

ipv6_ospf-list_passive-interface_tunnel-cfg

Specification	Value
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ipv6_ospf-list_passive-interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_ospf-list_passive-interface_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ipv6_ospf-list_passive-interface_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

ipv6_ospf-list_passive-interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

ipv6_ospf-list_timers

Specification	Value
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *ipv6_ospf-list_timers_spf*

Type: Object

ipv6_ospf-list_timers_spf

Specification	Value
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *ipv6_ospf-list_timers_spf_exp*

Type: Object

ipv6_ospf-list_timers_spf_exp

Specification	Value
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ipv6_ospf-list_ha-standby-extra-cost

Specification	Value
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

ipv6_rip

Specification	Value
Type	*object*

aggregate-address-cfg

Type: List

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *ipv6_rip_distribute-list*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/distribute-list*

offset-list

Description: offset-list is a **JSON Block**. Please see below for *ipv6_rip_offset-list*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIPNG UDP receive buffer size (the RIPNG UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ipv6_rip_redistribute*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/redistribute*

ripng-neighbor

Description: ripng-neighbor is a **JSON Block**. Please see below for *ipv6_rip_ripng-neighbor*

Type: Object

route-cfg

Type: List

route-map

Description: route-map is a **JSON Block**. Please see below for *ipv6_rip_route-map*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/route-map*

timers

Description: timers is a **JSON Block**. Please see below for *ipv6_rip_timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_offset-list

Specification	Value
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_offset-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_route-map

Specification	Value
Type	*object*

map-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_route-map_map-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-direction

Description 'in': Route map set for input filtering; 'out': Route map set for output filtering;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_passive-interface-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_redistribute

Specification	Value
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

ipv6_rip_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ipv6_rip_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6

Prefix; 'nat-map': NAT MAP Prefix; 'nat64': NAT64 Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, nat64, static-nat, public-ip, ospf, static

ipv6_rip_route-cfg

Specification	Value
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix)

Type: string

Format: ipv6-address-plen

ipv6_rip_timers

Specification	Value
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *ipv6_rip_timers_timers-cfg*

Type: Object

ipv6_rip_timers_timers-cfg

Specification	Value
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

ipv6_rip_aggregate-address-cfg

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Set aggregate RIP route announcement (Aggregate network)

Type: string

Format: ipv6-address-plen

ipv6_rip_ripng-neighbor

Specification	Value
Type	*object*

ripng-neighbor-cfg

Type: List

ipv6_rip_ripng-neighbor_ripng-neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

neighbor-link-local-addr

Description IPv6 link-local address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_distribute-list

Specification	Value
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *ipv6_rip_distribute-list_prefix*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_distribute-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6_rip_distribute-list_prefix

Specification	Value
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_rip_distribute-list_prefix_prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

isis-list

Specification	Value
Type	*list*
Block object keys	

address-family

Description: address-family is a **JSON Block**. Please see below for *isis-list_address-family*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

area-password-cfg

Description: area-password-cfg is a **JSON Block**. Please see below for *isis-list_area-password-cfg*

Type: Object

authentication

Description: authentication is a **JSON Block**. Please see below for *isis-list_authentication*

Type: Object

bfd

Description 'all-interfaces': Enable BFD on all interfaces;

Type: string

Supported Values: all-interfaces

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance-list

Type: List

domain-password-cfg

Description: domain-password-cfg is a **JSON Block**. Please see below for *isis-list_domain-password-cfg*

Type: Object

ha-standby-extra-cost

Type: List

ignore-lsp-errors

Description Ignore LSPs with bad checksums

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

is-type

Description 'level-1': Act as a station router only; 'level-1-2': Act as both a station router and an area router; 'level-2-only': Act as an area router only;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1

log-adjacency-changes-cfg

Description: log-adjacency-changes-cfg is a **JSON Block**. Please see below for *isis-list_log-adjacency-changes-cfg*

Type: Object

lsp-gen-interval-list

Type: List

lsp-refresh-interval

Description Set LSP refresh interval (LSP refresh time in seconds)

Type: number

Range: 1-65535

Default: 900

max-lsp-lifetime

Description Set maximum LSP lifetime (Maximum LSP lifetime in seconds)

Type: number

Range: 350-65535

Default: 1200

metric-style-list

Type: List

net-list

Type: List

passive-interface-list

Type: List

protocol-list

Type: List

redistribute

Description: redistribute is a **JSON Block**. Please see below for *isis-list_redistribute*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/redistribute*

set-overload-bit-cfg

Description: set-overload-bit-cfg is a **JSON Block**. Please see below for *isis-list_set-overload-bit-cfg*

Type: Object

spf-interval-exp-list

Type: List

summary-address-list

Type: List

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default:

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis-list_domain-password-cfg

Specification	Value
Type	*object*

authenticate

Description: authenticate is a **JSON Block**. Please see below for *isis-list_domain-password-cfg_authenticate*

Type: Object

password

Description Set the authentication password for a routing domain (Routing domain password)

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis-list_domain-password-cfg_authenticate

Specification	Value
Type	*object*

snp

Description 'send-only': Send but do not check PDUs on receiving; 'validate': Send and check PDUs on receiving;

Type: string

Supported Values: send-only, validate

isis-list_set-overload-bit-cfg

Specification	Value
Type	*object*

on-startup

Description: on-startup is a **JSON Block**. Please see below for *isis-list_set-overload-bit-cfg_on-startup*

Type: Object

set-overload-bit

Description Signal other touers not to use us in SPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

suppress-cfg

Description: suppress-cfg is a **JSON Block**. Please see below for *isis-list_set-overload-bit-cfg_suppress-cfg*

Type: Object

isis-list_set-overload-bit-cfg_suppress-cfg

Specification	Value
Type	*object*

external

Description If overload-bit set, don't advertise IP prefixes learned from other protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interlevel

Description If overload-bit set, don't advertise IP prefixes learned from another ISIS level

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_set-overload-bit-cfg_on-startup

Specification	Value
Type	*object*

delay

Description Time in seconds to advertise ourself as overloaded after reboot

Type: number

Range: 5-86400

Mutual Exclusion: delay and wait-for-bgp are mutually exclusive

wait-for-bgp

Description Let BGP decide when to unset the overload bit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: wait-for-bgp and delay are mutually exclusive

isis-list_net-list

Specification	Value
Type	*list*
Block object keys	

net

Description A Network Entity Title for this process (XX.XXXX. ... .XXXX.XX Network entity title (NET))

Type: string

Format: nasp-string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis-list_metric-style-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-1-2

type

Description 'narrow': Use old style of TLVs with narrow metric; 'wide': Use new style of TLVs to carry wider metric; 'transition': Send and accept both styles of TLVs during transition; 'narrow-transition': Send old style of TLVs with narrow metric with accepting both styles of TLVs; 'wide-transition': Send new style of TLVs to carry wider metric with accepting both styles of TLVs;

Type: string

Supported Values: narrow, wide, transition, narrow-transition, wide-transition

Default: narrow

isis-list_authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

isis-list_authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

isis-list_authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Authentication mode;

Type: string

Supported Values: md5

isis-list_authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_protocol-list

Specification	Value
Type	*list*
Block object keys	

protocol-topology

Description Protocol Topology

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_log-adjacency-changes-cfg

Specification	Value
Type	*object*

state

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

isis-list_spf-interval-exp-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Set interval for level 1 only; 'level-2': Set interval for level 2 only;

Type: string

Supported Values: level-1, level-2

max

Description Maximum Delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min

Description Minimum Delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

isis-list_passive-interface-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

isis-list_summary-address-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IP network prefix

Type: string

Format: ipv4-cidr

isis-list_address-family

Specification	Value
Type	*object*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *isis-list_address-family_ipv6*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family/ipv6*

isis-list_address-family_ipv6

Specification	Value
Type	*object*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

multi-topology-cfg

Description: multi-topology-cfg is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_multi-topology-cfg*

Type: Object

redistribute

Description: redistribute is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute*

summary-prefix-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis-list_address-family_ipv6_redistribute

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

isis-list_address-family_ipv6_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

isis-list_address-family_ipv6_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, public-ip, nat64, ospf, rip, static

isis-list_address-family_ipv6_redistribute_isis

Specification	Value
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis_level-2-from*

Type: Object

isis-list_address-family_ipv6_redistribute_isis_level-2-from

Specification	Value
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis_level-2-from_into-2*

Type: Object

isis-list_address-family_ipv6_redistribute_isis_level-2-from_into-2

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_address-family_ipv6_redistribute_isis_level-1-from

Specification	Value
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *isis-list_address-family_ipv6_redistribute_isis_level-1-from_into-1*

Type: Object

isis-list_address-family_ipv6_redistribute_isis_level-1-from_into-1

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_address-family_ipv6_multi-topology-cfg

Specification	Value
Type	*object*

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Mutual Exclusion: level and transition are mutually exclusive

level-transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology

Description Enable multi-topology mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: transition and level are mutually exclusive

isis-list_address-family_ipv6_summary-prefix-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

isis-list_redistribute

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *isis-list_redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

isis-list_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

isis-list_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, public-ip, ospf, rip, static

isis-list_redistribute_isis

Specification	Value
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *isis-list_redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *isis-list_redistribute_isis_level-2-from*

Type: Object

isis-list_redistribute_isis_level-2-from

Specification	Value
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *isis-list_redistribute_isis_level-2-from_into-2*

Type: Object

isis-list_redistribute_isis_level-2-from_into-2

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_redistribute_isis_level-1-from

Specification	Value
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *isis-list_redistribute_isis_level-1-from_into-1*

Type: Object

isis-list_redistribute_isis_level-1-from_into-1

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis-list_area-password-cfg

Specification	Value
Type	*object*

authenticate

Description: authenticate is a **JSON Block**. Please see below for *isis-list_area-password-cfg_authenticate*

Type: Object

password

Description Configure the authentication password for an area (Area password)

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

isis-list_area-password-cfg_authenticate

Specification	Value
Type	*object*

snp

Description 'send-only': Send but do not check PDUs on receiving; 'validate': Send and check PDUs on receiving;

Type: string

Supported Values: send-only, validate

isis-list_lsp-gen-interval-list

Specification	Value
Type	*list*
Block object keys	

interval

Description Minimum interval in seconds

Type: number

Range: 1-120

Default: 30

level

Description 'level-1': Set interval for level 1 only; 'level-2': Set interval for level 2 only;

Type: string

Supported Values: level-1, level-2

isis-list_distance-list

Specification	Value
Type	*list*
Block object keys	

System-ID

Description System-ID in XXXX.XXXX.XXXX

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

isis-list_ha-standby-extra-cost

Specification	Value
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

2.107.2 router bgp

Border Gateway Protocol (BGP)

bgp Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*as-number*
Collection Name	*bgp-list*
Collection URI	/axapi/v3/router/bgp
Element Name	bgp
Element URI	/axapi/v3/router/bgp/{as-number}
Element Attributes	bgp_attributes
Partition Visibility	shared
Schema	`bgp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp

bgp attributes

```
POST /axapi/v3/router/bgp/
Payload:
{
    "bgp": {
        "as-number": "1",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/router/bgp

bgp attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}

bgp attributes

```
GET /axapi/v3/router/bgp/1
Reponse:
{
    "bgp": {
        "as-number": "1",
        "bgp": {
            "always-compare-med": 0,
            "bestpath-cfg": {
                "ignore": 0,
                "compare-routerid": 0,
                "remove-recv-med": 0,
                "remove-send-med": 0,
                "missing-as-worst": 0
            },
            "dampening-cfg": {
                "dampening": 0
            },
            "local-preference-value": 100,
            "deterministic-med": 0,
            "enforce-first-as": 0,
            "fast-external-failover": 1,
            "log-neighbor-changes": 0,
            "nexthop-trigger-count": 0,
            "scan-time": 60,
            "graceful-restart": 0
        },
        "maximum-paths-value": 1,
        "originate": 0,
        "timers": {
            "bgp-keepalive": 30,
            "bgp-holdtime": 90
        },
        "synchronization": 0,
        "auto-summary": 0,
        "uuid": "400d8c8e-09b5-11f0-b934-3fb830de0af9",
        "user-tag": "a",
        "a10-url": "/axapi/v3/router/bgp/1"
    }
}
```

Get List

GET

/axapi/v3/router/bgp

bgp-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}

bgp attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}

bgp attributes

```
PUT /axapi/v3/router/bgp/1
Payload:
{
    "bgp": {
        "as-number": "1",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/router/bgp

bgp-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}

bgp attributes

```
DELETE /axapi/v3/router/bgp/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

bgp-list

bgp-list is **JSON List** of *bgp attributes*

bgp-list : [

{ *bgp attributes* },

{ *bgp attributes* },

...

]

bgp attributes

address-family

Description: address-family is a **JSON Block**. Please see below for *address-family*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family*

aggregate-address-list

Type: List

as-number

Description AS number

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

distance-list

Type: List

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor*

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network*

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

redistribute

Specification	Value
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *redistribute_nat-map-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *redistribute_ospf-cfg*

Type: Object

public-ip-cfg

Description: public-ip-cfg is a **JSON Block**. Please see below for *redistribute_public-ip-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *redistribute_vip*

Type: Object

redistribute_ip-nat-list-cfg

Specification	Value
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_lw4o6-cfg

Specification	Value
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_connected-cfg

Specification	Value
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_vip

Specification	Value
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *redistribute_vip_only-not-flagged-cfg*

Type: Object

redistribute_vip_only-not-flagged-cfg

Specification	Value
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_vip_only-flagged-cfg

Specification	Value
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ip-nat-cfg

Specification	Value
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_floating-ip-cfg

Specification	Value
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_isis-cfg

Specification	Value
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_nat-map-cfg

Specification	Value
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_rip-cfg

Specification	Value
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ospf-cfg

Specification	Value
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_static-nat-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_static-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_public-ip-cfg

Specification	Value
Type	*object*

public-ip

Description Public IPv6/IPv4 Prefixes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

aggregate-address-list

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate prefix)

Type: string

Format: ipv4-cidr

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Specification	Value
Type	*object*

always-compare-med

Description Allow comparing MED from different neighbors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bestpath-cfg

Description: bestpath-cfg is a **JSON Block**. Please see below for *bgp_bestpath-cfg*

Type: Object

bgp-restart-time

Description BGP Peer Graceful Restart time in seconds (default 90)

Type: number

Range: 1-3600

Default: 90

bgp-stalepath-time

Description BGP Graceful Restart Stalepath retention time in seconds (default 360)

Type: number

Range: 1-3600

Default: 360

dampening-cfg

Description: dampening-cfg is a **JSON Block**. Please see below for *bgp_dampening-cfg*

Type: Object

deterministic-med

Description Pick the best-MED path among paths advertised from the neighboring AS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-first-as

Description Enforce the first AS for EBGP routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-external-failover

Description Immediately reset session if a link to a directly connected external peer goes down

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

graceful-restart

Description Configure BGP BGP Graceful Restart

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-preference-value

Description Configure default local preference value

Type: number

Range: 0-4294967295

Default: 100

log-neighbor-changes

Description Log neighbor up/down and reset reason

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nexthop-trigger-count

Description BGP nexthop-tracking status (count)

Type: number

Range: 0-127

Default: 0

router-id

Description Override current router identifier (peers will reset) (Manually configured router identifier)

Type: string

Format: ipv4-address

scan-time

Description Configure background scan interval (Scan interval (sec) [Default:60 Disable:0])

Type: number

Range: 0-60

Default: 60

bgp_dampening-cfg

Specification	Value
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half-time

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-penalty

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

bgp_bestpath-cfg

Specification	Value
Type	*object*

compare-routerid

Description Compare router-id for identical EBGP paths

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore

Description Ignore as-path length in selecting a route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

missing-as-worst

Description Treat missing MED as the least preferred one

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-recv-med

Description To remove rcvd MED attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-send-med

Description To remove send MED attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Specification	Value
Type	*object*

ip-cidr-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}*

monitor

Description: monitor is a **JSON Block**. Please see below for *network_monitor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/monitor*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *network_synchronization*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/synchronization*

network_synchronization

Specification	Value
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network_monitor

Specification	Value
Type	*object*

default

Description: default is a **JSON Block**. Please see below for *network_monitor_default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/monitor/default*

network_monitor_default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network_ip-cidr-list

Specification	Value
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv4-cidr

Description Specify network mask

Type: string

Format: ipv4-cidr

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

timers

Specification	Value
Type	*object*

bgp-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

bgp-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

neighbor

Specification	Value
Type	*object*

ethernet-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}*

ve-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}*

neighbor_ve-neighbor-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-name,advertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers, and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

telemetry

Description Send BGP update to telemetry db

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_ipv4-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_peer-group-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-route-map-lists

Type: List

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-key

Description Configure peer-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-name,advertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers, and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

telemetry

Description Send BGP update to telemetry db

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_ipv6-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ethernet-neighbor-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_trunk-neighbor-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distance-list

Specification	Value
Type	*list*
Block object keys	

acl-str

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

admin-distance

Description Define an administrative distance

Type: number

Range: 1-255

ext-routes-dist

Description Distance for routes external to the AS

Type: number

Range: 1-255

int-routes-dist

Description Distance for routes internal to the AS

Type: number

Range: 1-255

local-routes-dist

Description Distance for local routes

Type: number

Range: 1-255

src-prefix

Description IP source prefix

Type: string

Format: ipv4-cidr

address-family

Specification	Value
Type	*object*

ipv4-flowspec

Description: ipv4-flowspec is a **JSON Block**. Please see below for *address-family_ipv4-flowspec*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *address-family_ipv6*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6*

ipv6-flowspec

Description: ipv6-flowspec is a **JSON Block**. Please see below for *address-family_ipv6-flowspec*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec*

address-family_ipv6-flowspec

Specification	Value
Type	*object*

neighbor

Description: neighbor is a **JSON Block**. Please see below for *address-family_ipv6-flowspec_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6-flowspec_neighbor

Specification	Value
Type	*object*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

address-family_ipv6-flowspec_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6-flowspec_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6-flowspec_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6-flowspec_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv4-flowspec

Specification	Value
Type	*object*

neighbor

Description: neighbor is a **JSON Block**. Please see below for *address-family_ipv4-flowspec_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv4-flowspec_neighbor

Specification	Value
Type	*object*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

address-family_ipv4-flowspec_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv4-flowspec_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv4-flowspec_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv4-flowspec_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6

Specification	Value
Type	*object*

aggregate-address-list

Type: List

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *address-family_ipv6_bgp*

Type: Object

distance

Description: distance is a **JSON Block**. Please see below for *address-family_ipv6_distance*

Type: Object

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *address-family_ipv6_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor*

network

Description: network is a **JSON Block**. Please see below for *address-family_ipv6_network*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network*

originate

Description Distribute an IPv6 default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *address-family_ipv6_redistribute*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_distance

Specification	Value
Type	*object*

distance-ext

Description Distance for routes external to the AS

Type: number

Range: 1-255

distance-int

Description Distance for routes internal to the AS

Type: number

Range: 1-255

distance-local

Description Distance for local routes

Type: number

Range: 1-255

address-family_ipv6_redistribute

Specification	Value
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_ospf-cfg*

Type: Object

public-ip-cfg

Description: public-ip-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_public-ip-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_vip*

Type: Object

address-family_ipv6_redistribute_ip-nat-list-cfg

Specification	Value
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_lw4o6-cfg

Specification	Value
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_nat64-cfg

Specification	Value
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_connected-cfg

Specification	Value
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_vip

Specification	Value
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_vip_only-not-flagged-cfg*

Type: Object

address-family_ipv6_redistribute_vip_only-not-flagged-cfg

Specification	Value
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_vip_only-flagged-cfg

Specification	Value
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_ip-nat-cfg

Specification	Value
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_floating-ip-cfg

Specification	Value
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_isis-cfg

Specification	Value
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_nat-map-cfg

Specification	Value
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_rip-cfg

Specification	Value
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_ospf-cfg

Specification	Value
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute_static-nat-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_redistribute_static-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_redistribute_public-ip-cfg

Specification	Value
Type	*object*

public-ip

Description Public IPv6/IPv4 Prefixes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_aggregate-address-list

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate IPv6 prefix)

Type: string

Format: ipv6-address-plen

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_bgp

Specification	Value
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-start-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-start-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

dampening-unreachability

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_network

Specification	Value
Type	*object*

ipv6-network-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

monitor

Description: monitor is a **JSON Block**. Please see below for *address-family_ipv6_network_monitor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *address-family_ipv6_network_synchronization*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

address-family_ipv6_network_ipv6-network-list

Specification	Value
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_network_synchronization

Specification	Value
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_network_monitor

Specification	Value
Type	*object*

default

Description: default is a **JSON Block**. Please see below for *address-family_ipv6_network_monitor_default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default*

address-family_ipv6_network_monitor_default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor

Specification	Value
Type	*object*

ethernet-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

address-family_ipv6_neighbor_ethernet-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

address-family_ipv6_neighbor_ipv4-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_peer-group-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

address-family_ipv6_neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ve-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

address-family_ipv6_neighbor_trunk-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

address-family_ipv6_neighbor_ipv6-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

address-family_ipv6_neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.107.3 router bgp address-family

Enter Address Family command mode

address-family Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	address-family
Element URI	/axapi/v3/router/bgp/{as-number}/address-family
Element Attributes	address-family_attributes
Partition Visibility	shared
Schema	`address-family schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family

address-family_attributes

address-family attributes

ipv4-flowspec

Description: ipv4-flowspec is a **JSON Block**. Please see below for *ipv4-flowspec*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6*

ipv6-flowspec

Description: ipv6-flowspec is a **JSON Block**. Please see below for *ipv6-flowspec*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec*

ipv6-flowspec

Specification	Value
Type	*object*

neighbor

Description: neighbor is a **JSON Block**. Please see below for *ipv6-flowspec_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-flowspec_neighbor

Specification	Value
Type	*object*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

ipv6-flowspec_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-flowspec_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-flowspec_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-flowspec_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-flowspec

Specification	Value
Type	*object*

neighbor

Description: neighbor is a **JSON Block**. Please see below for *ipv4-flowspec_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-flowspec_neighbor

Specification	Value
Type	*object*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

ipv4-flowspec_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-flowspec_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-flowspec_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-flowspec_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6

Specification	Value
Type	*object*

aggregate-address-list

Type: List

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *ipv6_bgp*

Type: Object

distance

Description: distance is a **JSON Block**. Please see below for *ipv6_distance*

Type: Object

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *ipv6_neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor*

network

Description: network is a **JSON Block**. Please see below for *ipv6_network*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network*

originate

Description Distribute an IPv6 default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ipv6_redistribute*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_distance

Specification	Value
Type	*object*

distance-ext

Description Distance for routes external to the AS

Type: number

Range: 1-255

distance-int

Description Distance for routes internal to the AS

Type: number

Range: 1-255

distance-local

Description Distance for local routes

Type: number

Range: 1-255

ipv6_redistribute

Specification	Value
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_ospf-cfg*

Type: Object

public-ip-cfg

Description: public-ip-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_public-ip-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *ipv6_redistribute_vip*

Type: Object

ipv6_redistribute_ip-nat-list-cfg

Specification	Value
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_lw4o6-cfg

Specification	Value
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_nat64-cfg

Specification	Value
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_connected-cfg

Specification	Value
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_vip

Specification	Value
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *ipv6_redistribute_vip_only-not-flagged-cfg*

Type: Object

ipv6_redistribute_vip_only-not-flagged-cfg

Specification	Value
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_vip_only-flagged-cfg

Specification	Value
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_ip-nat-cfg

Specification	Value
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_floating-ip-cfg

Specification	Value
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_isis-cfg

Specification	Value
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_nat-map-cfg

Specification	Value
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_rip-cfg

Specification	Value
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_ospf-cfg

Specification	Value
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_redistribute_static-nat-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_redistribute_static-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_redistribute_public-ip-cfg

Specification	Value
Type	*object*

public-ip

Description Public IPv6/IPv4 Prefixes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_aggregate-address-list

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate IPv6 prefix)

Type: string

Format: ipv6-address-plen

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_bgp

Specification	Value
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-start-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-start-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

dampening-unreachability

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_network

Specification	Value
Type	*object*

ipv6-network-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

monitor

Description: monitor is a **JSON Block**. Please see below for *ipv6_network_monitor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *ipv6_network_synchronization*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

ipv6_network_ipv6-network-list

Specification	Value
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_network_synchronization

Specification	Value
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_network_monitor

Specification	Value
Type	*object*

default

Description: default is a **JSON Block**. Please see below for *ipv6_network_monitor_default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default*

ipv6_network_monitor_default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_neighbor

Specification	Value
Type	*object*

ethernet-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

ipv6_neighbor_ethernet-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6_neighbor_ipv4-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_peer-group-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6_neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_neighbor_ve-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

ipv6_neighbor_trunk-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6_neighbor_ipv6-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6_neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6_neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.107.4 router bgp address-family ipv4-flowspec

ipv4-flowspec

ipv4-flowspec Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv4-flowspec
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec
Element Attributes	ipv4-flowspec_attributes
Partition Visibility	shared
Schema	`ipv4-flowspec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec

ipv4-flowspec attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv4-flowspec
Payload:
{
    "ipv4-flowspec": {
        "neighbor": {
            "ipv4-neighbor-list": [
                {
                    "neighbor-ipv4": "3.3.3.3",
                    "activate": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec

ipv4-flowspec attributes

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec

ipv4-flowspec attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec

ipv4-flowspec attributes

ipv4-flowspec attributes

neighbor

Description: neighbor is a **JSON Block**. Please see below for *neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor

Specification	Value
Type	*object*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.5 router bgp address-family ipv4-flowspec neighbor

Specify a neighbor router

neighbor Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor
Element Attributes	neighbor_attributes
Partition Visibility	shared
Schema	`neighbor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor

neighbor_attributes

neighbor attributes

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.6 router bgp address-family ipv4-flowspec neighbor ipv4-neighbor

Specify a peer-group neighbor router

ipv4-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*neighbor-ipv4*
Collection Name	*ipv4-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor
Element Name	ipv4-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}
Element Attributes	ipv4-neighbor_attributes
Partition Visibility	shared
Schema	`ipv4-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor

ipv4-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv4-neighbor

ipv4-neighbor-list

ipv4-neighbor-list

ipv4-neighbor-list is **JSON List** of *ipv4-neighbor attributes*

```
ipv4-neighbor-list : [
        { ipv4-neighbor attributes },
        { ipv4-neighbor attributes },
        ...
    ]
```

ipv4-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.7 router bgp address-family ipv4-flowspec neighbor ipv6-neighbor

Specify a peer-group neighbor router

ipv6-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*neighbor-ipv6*
Collection Name	*ipv6-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor
Element Name	ipv6-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}
Element Attributes	ipv6-neighbor_attributes
Partition Visibility	shared
Schema	`ipv6-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor

ipv6-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv4-flowspec/neighbor/ipv6-neighbor

ipv6-neighbor-list

ipv6-neighbor-list

ipv6-neighbor-list is **JSON List** of *ipv6-neighbor attributes*

ipv6-neighbor-list : [

{ *ipv6-neighbor attributes* },

{ *ipv6-neighbor attributes* },

...

]

ipv6-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.8 router bgp address-family ipv6

ipv6 Address family

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6

ipv6 attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv6
Payload:
{
    "ipv6": {
        "network": {
            "synchronization": {
                "network-synchronization": 1
            }
        },
        "bgp": {
            "dampening": 1,
            "dampening-half": 1,
            "dampening-start-reuse": 1,
            "dampening-max-supress": 1,
            "dampening-start-supress": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6

ipv6 attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6
Reponse:
{
    "ipv6": {
        "bgp": {
            "dampening": 1,
            "dampening-half": 1,
```

(continues on next page)

(continued from previous page)

```
            "dampening-start-reuse": 1,
            "dampening-start-supress": 1,
            "dampening-max-supress": 1
        },
        "maximum-paths-value": 1,
        "originate": 0,
        "auto-summary": 0,
        "synchronization": 0,
        "uuid": "11ea6474-09b7-11f0-b934-3fb830de0af9",
        "network": {
            "synchronization": {
                "network-synchronization": 1,
                "uuid": "11eab640-09b7-11f0-b934-3fb830de0af9",
                "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/
↪synchronization"
            },
            "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network"
        },
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6

ipv6 attributes

```
PUT /axapi/v3/router/bgp/1/address-family/ipv6
Payload:
{
    "ipv6": {
        "network": {
            "monitor": {
                "default": {
                    "network-monitor-default": 1
                }
            }
        },
        "bgp": {
            "dampening": 1,
            "dampening-half": 2,
            "dampening-start-reuse": 2,
            "dampening-max-supress": 2,
            "dampening-start-supress": 2,
```

(continues on next page)

(continued from previous page)

```
            "dampening-unreachability": 2
        }
    }
}
```

ipv6 attributes

aggregate-address-list

Type: List

auto-summary

Description Enable automatic network number summarization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

distance

Description: distance is a **JSON Block**. Please see below for *distance*

Type: Object

maximum-paths-value

Description Supported BGP multipath numbers

Type: number

Range: 1-64

Default: 1

neighbor

Description: neighbor is a **JSON Block**. Please see below for *neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor*

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network*

originate

Description Distribute an IPv6 default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute*

synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distance

Specification	Value
Type	*object*

distance-ext

Description Distance for routes external to the AS

Type: number

Range: 1-255

distance-int

Description Distance for routes internal to the AS

Type: number

Range: 1-255

distance-local

Description Distance for local routes

Type: number

Range: 1-255

redistribute

Specification	Value
Type	*object*

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *redistribute_connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *redistribute_floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *redistribute_ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *redistribute_ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *redistribute_isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *redistribute_lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *redistribute_nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *redistribute_nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *redistribute_ospf-cfg*

Type: Object

public-ip-cfg

Description: public-ip-cfg is a **JSON Block**. Please see below for *redistribute_public-ip-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *redistribute_rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *redistribute_static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *redistribute_static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *redistribute_vip*

Type: Object

redistribute_ip-nat-list-cfg

Specification	Value
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_lw4o6-cfg

Specification	Value
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_nat64-cfg

Specification	Value
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_connected-cfg

Specification	Value
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_vip

Specification	Value
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *redistribute_vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *redistribute_vip_only-not-flagged-cfg*

Type: Object

redistribute_vip_only-not-flagged-cfg

Specification	Value
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_vip_only-flagged-cfg

Specification	Value
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ip-nat-cfg

Specification	Value
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_floating-ip-cfg

Specification	Value
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_isis-cfg

Specification	Value
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_nat-map-cfg

Specification	Value
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_rip-cfg

Specification	Value
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ospf-cfg

Specification	Value
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_static-nat-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_static-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_public-ip-cfg

Specification	Value
Type	*object*

public-ip

Description Public IPv6/IPv4 Prefixes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

aggregate-address-list

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Configure BGP aggregate entries (Aggregate IPv6 prefix)

Type: string

Format: ipv6-address-plen

as-set

Description Generate AS set path information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-only

Description Filter more specific routes from updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgp

Specification	Value
Type	*object*

dampening

Description Enable route-flap dampening

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-half

Description Reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

dampening-max-supress

Description Maximum duration to suppress a stable route(minutes)

Type: number

Range: 1-255

dampening-start-reuse

Description Value to start reusing a route

Type: number

Range: 1-20000

dampening-start-supress

Description Value to start suppressing a route

Type: number

Range: 1-20000

dampening-unreachability

Description Un-reachability Half-life time for the penalty(minutes)

Type: number

Range: 1-45

route-map

Description Route-map to specify criteria for dampening (Route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

network

Specification	Value
Type	*object*

ipv6-network-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

monitor

Description: monitor is a **JSON Block**. Please see below for *network_monitor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *network_synchronization*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

network_ipv6-network-list

Specification	Value
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network_synchronization

Specification	Value
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network_monitor

Specification	Value
Type	*object*

default

Description: default is a **JSON Block**. Please see below for *network_monitor_default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default*

network_monitor_default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor

Specification	Value
Type	*object*

ethernet-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

neighbor_ethernet-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_ipv4-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv4-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_peer-group-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_peer-group-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ve-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

neighbor_trunk-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor_ipv6-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor_ipv6-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.107.9 router bgp address-family ipv6-flowspec

ipv6-flowspec

ipv6-flowspec Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6-flowspec
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec
Element Attributes	ipv6-flowspec_attributes
Partition Visibility	shared
Schema	`ipv6-flowspec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec

ipv6-flowspec attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv6-flowspec
Payload:
{
    "ipv6-flowspec": {
        "neighbor": {
            "ipv4-neighbor-list": [
                {
                    "neighbor-ipv4": "3.3.3.3",
                    "activate": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec

ipv6-flowspec attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6-flowspec
Reponse:
{
    "ipv6-flowspec": {
        "uuid": "999f2430-09b8-11f0-b934-3fb830de0af9",
        "neighbor": {
            "ipv4-neighbor-list": [
                {
                    "neighbor-ipv4": "3.3.3.3",
                    "activate": 1,
                    "send-community-val": "both",
                    "uuid": "999f694a-09b8-11f0-b934-3fb830de0af9",
                    "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6-flowspec/
↪neighbor/ipv4-neighbor/3.3.3.3"
                }
            ],
            "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6-flowspec/neighbor"
        },
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6-flowspec"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec

ipv6-flowspec attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec

ipv6-flowspec attributes

ipv6-flowspec attributes

neighbor

Description: neighbor is a **JSON Block**. Please see below for *neighbor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor

Specification	Value
Type	*object*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

neighbor_ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor_ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.10 router bgp address-family ipv6-flowspec neighbor

Specify a neighbor router

neighbor Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor
Element Attributes	neighbor_attributes
Partition Visibility	shared
Schema	`neighbor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor

neighbor_attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6-flowspec/neighbor
Reponse:
{
    "neighbor": {
        "ipv4-neighbor-list": [
            {
                "neighbor-ipv4": "3.3.3.3",
                "activate": 1,
                "send-community-val": "both",
                "uuid": "b22ebfec-09b8-11f0-b934-3fb830de0af9",
                "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6-flowspec/neighbor/
↪ipv4-neighbor/3.3.3.3"
            }
        ],
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6-flowspec/neighbor"
    }
}
```

neighbor attributes

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}*

ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.11 router bgp address-family ipv6-flowspec neighbor ipv4-neighbor

Specify a peer-group neighbor router

ipv4-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*neighbor-ipv4*
Collection Name	*ipv4-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor
Element Name	ipv4-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}
Element Attributes	ipv4-neighbor_attributes
Partition Visibility	shared
Schema	`ipv4-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor

ipv4-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv4-neighbor

ipv4-neighbor-list

ipv4-neighbor-list

ipv4-neighbor-list is **JSON List** of *ipv4-neighbor attributes*

```
ipv4-neighbor-list : [
        { ipv4-neighbor attributes },
        { ipv4-neighbor attributes },
        ...
    ]
```

ipv4-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.12 router bgp address-family ipv6-flowspec neighbor ipv6-neighbor

Specify a peer-group neighbor router

ipv6-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*neighbor-ipv6*
Collection Name	*ipv6-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor
Element Name	ipv6-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}
Element Attributes	ipv6-neighbor_attributes
Partition Visibility	shared
Schema	`ipv6-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor

ipv6-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6-flowspec/neighbor/ipv6-neighbor

ipv6-neighbor-list

ipv6-neighbor-list

ipv6-neighbor-list is **JSON List** of *ipv6-neighbor attributes*

ipv6-neighbor-list : [

{ *ipv6-neighbor attributes* },

{ *ipv6-neighbor attributes* },

...

]

ipv6-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-route-map-lists

Type: List

send-community-val

Description 'all': Send Standard, Extended, and Large Community attributes; 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes; 'large': Send Large Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.13 router bgp address-family ipv6 neighbor

Specify a neighbor router

neighbor Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor
Element Attributes	neighbor_attributes
Partition Visibility	shared
Schema	`neighbor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor

neighbor_attributes

neighbor attributes

ethernet-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}*

ve-neighbor-ipv6-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}*

ethernet-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv4-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv4-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

peer-group-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

peer-group-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ve-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

trunk-neighbor-ipv6-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.107.14 router bgp address-family ipv6 neighbor ethernet-neighbor-ipv6

Specify an ethernet unnumbered neighbor

ethernet-neighbor-ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ethernet*
Collection Name	*ethernet-neighbor-ipv6-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6
Element Name	ethernet-neighbor-ipv6
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}
Element Attributes	ethernet-neighbor-ipv6_attributes
Partition Visibility	shared
Schema	`ethernet-neighbor-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6

ethernet-neighbor-ipv6 attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6

ethernet-neighbor-ipv6 attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}

ethernet-neighbor-ipv6 attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6

ethernet-neighbor-ipv6-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}

ethernet-neighbor-ipv6 attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6/{ethernet}

ethernet-neighbor-ipv6 attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ethernet-neighbor-ipv6

ethernet-neighbor-ipv6-list

ethernet-neighbor-ipv6-list

ethernet-neighbor-ipv6-list is **JSON List** of *ethernet-neighbor-ipv6 attributes*

ethernet-neighbor-ipv6-list : [

{ *ethernet-neighbor-ipv6 attributes* },

{ *ethernet-neighbor-ipv6 attributes* },

…

]

ethernet-neighbor-ipv6 attributes

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.15 router bgp address-family ipv6 neighbor ipv4-neighbor

Specify a peer-group neighbor router

ipv4-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*neighbor-ipv4*
Collection Name	*ipv4-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor
Element Name	ipv4-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}
Element Attributes	ipv4-neighbor_attributes
Partition Visibility	shared
Schema	`ipv4-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor

ipv4-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv4-neighbor

ipv4-neighbor-list

ipv4-neighbor-list

ipv4-neighbor-list is **JSON List** of *ipv4-neighbor attributes*

ipv4-neighbor-list : [

{ *ipv4-neighbor attributes* },

{ *ipv4-neighbor attributes* },

...

]

ipv4-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.107.16 router bgp address-family ipv6 neighbor ipv6-neighbor

Specify a peer-group neighbor router

ipv6-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*neighbor-ipv6*
Collection Name	*ipv6-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor
Element Name	ipv6-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}
Element Attributes	ipv6-neighbor_attributes
Partition Visibility	shared
Schema	`ipv6-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor

ipv6-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ipv6-neighbor

ipv6-neighbor-list

ipv6-neighbor-list

ipv6-neighbor-list is **JSON List** of *ipv6-neighbor attributes*

ipv6-neighbor-list : [

{ *ipv6-neighbor attributes* },

{ *ipv6-neighbor attributes* },

…

]

ipv6-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

distribute-lists

Type: List

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.107.17 router bgp address-family ipv6 neighbor peer-group-neighbor

Specify a peer-group neighbor router

peer-group-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*peer-group*
Collection Name	*peer-group-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor
Element Name	peer-group-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}
Element Attributes	peer-group-neighbor_attributes
Partition Visibility	shared
Schema	`peer-group-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor

peer-group-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor

peer-group-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor

peer-group-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/peer-group-neighbor

peer-group-neighbor-list

peer-group-neighbor-list

peer-group-neighbor-list is **JSON List** of *peer-group-neighbor attributes*

peer-group-neighbor-list : [

{ *peer-group-neighbor attributes* },

{ *peer-group-neighbor attributes* },

…

]

peer-group-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.18 router bgp address-family ipv6 neighbor trunk-neighbor-ipv6

Specify a trunk unnumbered neighbor

trunk-neighbor-ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*trunk*
Collection Name	*trunk-neighbor-ipv6-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6
Element Name	trunk-neighbor-ipv6
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}
Element Attributes	trunk-neighbor-ipv6_attributes
Partition Visibility	shared
Schema	`trunk-neighbor-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6

trunk-neighbor-ipv6 attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6

trunk-neighbor-ipv6 attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}

trunk-neighbor-ipv6 attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6

trunk-neighbor-ipv6-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}

trunk-neighbor-ipv6 attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6/{trunk}

trunk-neighbor-ipv6 attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/trunk-neighbor-ipv6

trunk-neighbor-ipv6-list

trunk-neighbor-ipv6-list

trunk-neighbor-ipv6-list is **JSON List** of *trunk-neighbor-ipv6 attributes*

```
trunk-neighbor-ipv6-list : [
        { trunk-neighbor-ipv6 attributes },
        { trunk-neighbor-ipv6 attributes },
        ...
    ]
```

trunk-neighbor-ipv6 attributes

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.19 router bgp address-family ipv6 neighbor ve-neighbor-ipv6

Specify a VE unnumbered neighbor

ve-neighbor-ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ve*
Collection Name	*ve-neighbor-ipv6-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6
Element Name	ve-neighbor-ipv6
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}
Element Attributes	ve-neighbor-ipv6_attributes
Partition Visibility	shared
Schema	`ve-neighbor-ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6

ve-neighbor-ipv6 attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6

ve-neighbor-ipv6 attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}

ve-neighbor-ipv6 attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6

ve-neighbor-ipv6-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}

ve-neighbor-ipv6 attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6/{ve}

ve-neighbor-ipv6 attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/neighbor/ve-neighbor-ipv6

ve-neighbor-ipv6-list

ve-neighbor-ipv6-list

ve-neighbor-ipv6-list is **JSON List** of *ve-neighbor-ipv6 attributes*

ve-neighbor-ipv6-list : [

{ *ve-neighbor-ipv6 attributes* },

{ *ve-neighbor-ipv6 attributes* },

...

]

ve-neighbor-ipv6 attributes

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

2.107.20 router bgp address-family ipv6 network

Specify a network to announce via BGP

network Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	network
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network
Element Attributes	network_attributes
Partition Visibility	shared
Schema	`network schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network

network_attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6/network
Reponse:
{
    "network": {
        "synchronization": {
            "network-synchronization": 1,
            "uuid": "a34bde72-09ba-11f0-b934-3fb830de0af9",
            "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/
↪synchronization"
        },
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network"
    }
}
```

network attributes

ipv6-network-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}*

monitor

Description: monitor is a **JSON Block**. Please see below for *monitor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *synchronization*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization*

ipv6-network-list

Specification	Value
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

synchronization

Specification	Value
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor

Specification	Value
Type	*object*

default

Description: default is a **JSON Block**. Please see below for *monitor_default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default*

monitor_default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.21 router bgp address-family ipv6 network ipv6-network

Specify a ip address mask network to announce via BGP

ipv6-network Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*network-ipv6*
Collection Name	*ipv6-network-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network
Element Name	ipv6-network
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}
Element Attributes	ipv6-network_attributes
Partition Visibility	shared
Schema	`ipv6-network schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network

ipv6-network attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network

ipv6-network attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}

ipv6-network attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network

ipv6-network-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}

ipv6-network attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}

ipv6-network attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network

ipv6-network-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/ipv6-network/{network-ipv6}

ipv6-network attributes

ipv6-network-list

ipv6-network-list is **JSON List** of *ipv6-network attributes*

```
ipv6-network-list : [
        { ipv6-network attributes },
        { ipv6-network attributes },
        ...
    ]
```

ipv6-network attributes

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv6

Description Specify a network to announce via BGP

Type: string

Format: ipv6-address-plen

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.22 router bgp address-family ipv6 network monitor

monitor

monitor Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	monitor
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor

monitor_attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6/network/monitor
Reponse:
{
    "monitor": {
        "default": {
            "network-monitor-default": 1,
            "uuid": "e87f3d7c-09ba-11f0-b934-3fb830de0af9",
            "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/monitor/
↪default"
        },
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/monitor"
    }
}
```

monitor attributes

default

Description: default is a **JSON Block**. Please see below for *default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default*

default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.23 router bgp address-family ipv6 network monitor default

help default

default Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	default
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default
Element Attributes	default_attributes
Partition Visibility	shared
Schema	`default schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default

default attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv6/network/monitor/default
Payload:
{
    "default": {
        "network-monitor-default": 1
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default

default attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6/network/monitor/default
Reponse:
{
    "default": {
        "network-monitor-default": 1,
        "uuid": "000a21a0-09bb-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/monitor/default"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default

default attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default

default attributes

```
PUT /axapi/v3/router/bgp/1/address-family/ipv6/network/monitor/default
Payload:
{
    "default": {
        "network-monitor-default": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/monitor/default

default attributes

```
DELETE /axapi/v3/router/bgp/1/address-family/ipv6/network/monitor/default
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

default attributes

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.24 router bgp address-family ipv6 network synchronization

help Perform IGP synchronization

synchronization Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	synchronization
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization
Element Attributes	synchronization_attributes
Partition Visibility	shared
Schema	`synchronization schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
Payload:
{
    "synchronization": {
        "network-synchronization": 1
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
Reponse:
{
    "synchronization": {
        "network-synchronization": 1,
        "uuid": "1837077a-09bb-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

```
PUT /axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
Payload:
{
    "synchronization": {
        "network-synchronization": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/network/synchronization

synchronization attributes

```
DELETE /axapi/v3/router/bgp/1/address-family/ipv6/network/synchronization
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

synchronization attributes

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.25 router bgp address-family ipv6 redistribute

Redistribute information from another routing protocol

redistribute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute
Element Attributes	redistribute_attributes
Partition Visibility	shared
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

```
POST /axapi/v3/router/bgp/1/address-family/ipv6/redistribute
Payload:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1,
            "route-map": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

```
GET /axapi/v3/router/bgp/1/address-family/ipv6/redistribute
Reponse:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1,
            "route-map": "a"
        },
        "floating-ip-cfg": {
            "floating-ip": 0
        },
        "nat64-cfg": {
            "nat64": 0
        },
        "nat-map-cfg": {
            "nat-map": 0
        },
        "lw4o6-cfg": {
            "lw4o6": 0
        },
        "static-nat-cfg": {
            "static-nat": 0
        },
        "ip-nat-cfg": {
            "ip-nat": 0
        },
        "ip-nat-list-cfg": {
            "ip-nat-list": 0
        },
        "isis-cfg": {
            "isis": 0
        },
        "ospf-cfg": {
```

(continues on next page)

(continued from previous page)

```
            "ospf": 0
        },
        "rip-cfg": {
            "rip": 0
        },
        "static-cfg": {
            "static": 0
        },
        "public-ip-cfg": {
            "public-ip": 0
        },
        "vip": {
            "only-flagged-cfg": {
                "only-flagged": 0
            },
            "only-not-flagged-cfg": {
                "only-not-flagged": 0
            }
        },
        "uuid": "2f80c024-09bb-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/bgp/1/address-family/ipv6/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

```
PUT /axapi/v3/router/bgp/1/address-family/ipv6/redistribute
Payload:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/address-family/ipv6/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/bgp/1/address-family/ipv6/redistribute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

redistribute attributes

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *nat-map-cfg*

Type: Object

nat64-cfg

Description: nat64-cfg is a **JSON Block**. Please see below for *nat64-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *ospf-cfg*

Type: Object

public-ip-cfg

Description: public-ip-cfg is a **JSON Block**. Please see below for *public-ip-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *vip*

Type: Object

ip-nat-list-cfg

Specification	Value
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lw4o6-cfg

Specification	Value
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nat64-cfg

Specification	Value
Type	*object*

nat64

Description NAT64 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

connected-cfg

Specification	Value
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip

Specification	Value
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *vip_only-not-flagged-cfg*

Type: Object

vip_only-not-flagged-cfg

Specification	Value
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip_only-flagged-cfg

Specification	Value
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-nat-cfg

Specification	Value
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

floating-ip-cfg

Specification	Value
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis-cfg

Specification	Value
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nat-map-cfg

Specification	Value
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rip-cfg

Specification	Value
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-cfg

Specification	Value
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

public-ip-cfg

Specification	Value
Type	*object*

public-ip

Description Public IPv6/IPv4 Prefixes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.26 router bgp neighbor

Specify a neighbor router

neighbor Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor
Element Attributes	neighbor_attributes
Partition Visibility	shared
Schema	`neighbor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor

neighbor_attributes

neighbor attributes

ethernet-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}*

ipv4-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}*

ipv6-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}*

peer-group-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}*

trunk-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}*

ve-neighbor-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}*

ve-neighbor-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

ipv4-neighbor-list

Specification	Value
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-name,advertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers, and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

telemetry

Description Send BGP update to telemetry db

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv4-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv4-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv4-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

peer-group-neighbor-list

Specification	Value
Type	*list*
Block object keys	

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-route-map-lists

Type: List

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-key

Description Configure peer-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

peer-group-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-neighbor-list

Specification	Value
Type	*list*
Block object keys	

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-name,advertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers, and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

telemetry

Description Send BGP update to telemetry db

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

ipv6-neighbor-list_distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list_neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-neighbor-list_neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ipv6-neighbor-list_neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

ethernet-neighbor-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-neighbor-list

Specification	Value
Type	*list*
Block object keys	

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.27 router bgp neighbor ethernet-neighbor

Specify an ethernet unnumbered neighbor

ethernet-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ethernet*
Collection Name	*ethernet-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor
Element Name	ethernet-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}
Element Attributes	ethernet-neighbor_attributes
Partition Visibility	shared
Schema	`ethernet-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor

ethernet-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor

ethernet-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}

ethernet-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor

ethernet-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}

ethernet-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}

ethernet-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor

ethernet-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/ethernet-neighbor/{ethernet}

ethernet-neighbor attributes

ethernet-neighbor-list

ethernet-neighbor-list is **JSON List** of *ethernet-neighbor attributes*

ethernet-neighbor-list : [

{ *ethernet-neighbor attributes* },

{ *ethernet-neighbor attributes* },

...

]

ethernet-neighbor attributes

ethernet

Description Ethernet interface number

Type: number

Format: interface

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.28 router bgp neighbor ipv4-neighbor

Specify a ipv4 neighbor router

ipv4-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*neighbor-ipv4*
Collection Name	*ipv4-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor
Element Name	ipv4-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}
Element Attributes	ipv4-neighbor_attributes
Partition Visibility	shared
Schema	`ipv4-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor

ipv4-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor

ipv4-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor

ipv4-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/ipv4-neighbor/{neighbor-ipv4}

ipv4-neighbor attributes

ipv4-neighbor-list

ipv4-neighbor-list is **JSON List** of *ipv4-neighbor attributes*

```
ipv4-neighbor-list : [
        { ipv4-neighbor attributes },
        { ipv4-neighbor attributes },
        ...
    ]
```

ipv4-neighbor attributes

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

neighbor-filter-lists

Type: List

neighbor-ipv4

Description Neighbor address

Type: string

Format: ipv4-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-name,advertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers, and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

telemetry

Description Send BGP update to telemetry db

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.107.29 router bgp neighbor ipv6-neighbor

Specify a ipv6 neighbor router

ipv6-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*neighbor-ipv6*
Collection Name	*ipv6-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor
Element Name	ipv6-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}
Element Attributes	ipv6-neighbor_attributes
Partition Visibility	shared
Schema	`ipv6-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor

ipv6-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor

ipv6-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor

ipv6-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/ipv6-neighbor/{neighbor-ipv6}

ipv6-neighbor attributes

ipv6-neighbor-list

ipv6-neighbor-list is **JSON List** of *ipv6-neighbor attributes*

```
ipv6-neighbor-list : [
        { ipv6-neighbor attributes },
        { ipv6-neighbor attributes },
        ...
    ]
```

ipv6-neighbor attributes

acos-application-only

Description Send BGP update to ACOS application

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: advertisement-interval and peer-group-name are mutually exclusive

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

Mutual Exclusion: as-origination-interval and peer-group-name are mutually exclusive

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

bfd-value

Description Key String

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: default-originate and peer-group-name are mutually exclusive

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

disallow-infinite-holdtime

Description BGP per neighbor disallow-infinite-holdtime

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disallow-infinite-holdtime and peer-group-name are mutually exclusive

distribute-lists

Type: List

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

graceful-restart

Description enable graceful-restart helper for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-id

Description Key ID

Type: number

Range: 0-255

key-type

Description 'md5': md5; 'meticulous-md5': meticulous-md5; 'meticulous-sha1': meticulous-sha1; 'sha1': sha1; 'simple': simple; (Keyed MD5/Meticulous Keyed MD5/Meticulous Keyed SHA1/Keyed SHA1/Simple Password)

Type: string

Supported Values: md5, meticulous-md5, meticulous-sha1, sha1, simple

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nbr-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

neighbor-filter-lists

Type: List

neighbor-ipv6

Description Neighbor IPv6 address

Type: string

Format: ipv6-address

neighbor-prefix-lists

Type: List

neighbor-route-map-lists

Type: List

next-hop-self

Description Disable the next hop calculation for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: next-hop-self and peer-group-name are mutually exclusive

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-name

Description Configure peer-group (peer-group name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: peer-group-name,advertisement-interval, as-origination-interval, default-originate, disallow-infinite-holdtime, next-hop-self, timers, and unsuppress-map are mutually exclusive

prefix-list-direction

Description 'both': both; 'receive': receive; 'send': send;

Type: string

Supported Values: both, receive, send

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart-min

Description restart value, 1 to 1440 minutes

Type: number

Range: 1-1440

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

send-community-val

Description 'both': Send Standard and Extended Community attributes; 'none': Disable Sending Community attributes; 'standard': Send Standard Community attributes; 'extended': Send Extended Community attributes;

Type: string

Supported Values: all, both, none, standard, extended, large

Default: both

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

telemetry

Description Send BGP update to telemetry db

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

unsuppress-map

Description Route-map to selectively unsuppress suppressed routes (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: unsuppress-map and peer-group-name are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

distribute-lists

Specification	Value
Type	*list*
Block object keys	

distribute-list

Description Filter updates to/from this neighbor (IP standard/extended/named access list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distribute-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

neighbor-filter-lists

Specification	Value
Type	*list*
Block object keys	

filter-list

Description Establish BGP filters (AS path access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

neighbor-prefix-lists

Specification	Value
Type	*list*
Block object keys	

nbr-prefix-list

Description Filter updates to/from this neighbor (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nbr-prefix-list-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

2.107.30 router bgp neighbor peer-group-neighbor

Specify a peer-group neighbor router

peer-group-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*peer-group*
Collection Name	*peer-group-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor
Element Name	peer-group-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}
Element Attributes	peer-group-neighbor_attributes
Partition Visibility	shared
Schema	`peer-group-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor

peer-group-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor

peer-group-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor

peer-group-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor

peer-group-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/peer-group-neighbor/{peer-group}

peer-group-neighbor attributes

peer-group-neighbor-list

peer-group-neighbor-list is **JSON List** of *peer-group-neighbor attributes*

peer-group-neighbor-list : [

{ *peer-group-neighbor attributes* },

{ *peer-group-neighbor attributes* },

...

]

peer-group-neighbor attributes

activate

Description Enable the Address Family for this Neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

advertisement-interval

Description Minimum interval between sending BGP routing updates (time in seconds)

Type: number

Range: 1-600

allowas-in

Description Accept as-path with my AS present in it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowas-in-count

Description Number of occurrences of AS number

Type: number

Range: 1-10

Default: 3

as-origination-interval

Description Minimum interval between sending AS-origination routing updates (time in seconds)

Type: number

Range: 1-600

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

collide-established

Description Include Neighbor in Established State for Collision Detection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connect

Description BGP connect timer

Type: number

Range: 1-65535

default-originate

Description Originate default route to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Neighbor specific description (Up to 80 characters describing this neighbor)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

dont-capability-negotiate

Description Do not perform capability negotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dynamic

Description Advertise dynamic capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop

Description Allow EBGP neighbors not on directly connected networks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ebgp-multihop-hop-count

Description maximum hop count

Type: number

Range: 1-255

enforce-multihop

Description Enforce EBGP neighbors to perform multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

Mutual Exclusion: ethernet,update-source-ip, update-source-ipv6, loopback, ve, trunk, lif, and tunnel are mutually exclusive

extended-nexthop

Description Advertise extended-nexthop capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inbound

Description Allow inbound soft reconfiguration for this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: lif,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and tunnel are mutually exclusive

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

Mutual Exclusion: loopback,update-source-ip, update-source-ipv6, ethernet, ve, trunk, lif, and tunnel are mutually exclusive

maximum-prefix

Description Maximum number of prefix accept from this peer (maximum no. of prefix limit (various depends on model))

Type: number

maximum-prefix-thres

Description threshold-value, 1 to 100 percent

Type: number

Range: 1-100

multihop

Description Enable multihop

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

neighbor-route-map-lists

Type: List

override-capability

Description Override capability negotiation result

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pass-encrypted

Description

pass-value

Description Key String

Type: string

Format: password

Maximum Length: 80 characters

Maximum Length: 1 characters

passive

Description Don't send open messages to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group

Description Neighbor tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

peer-group-key

Description Configure peer-group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

peer-group-remote-as

Description Specify AS number of BGP neighbor

Type: string

Maximum Length: 11 characters

Maximum Length: 1 characters

remove-private-as

Description Remove private AS number from outbound updates

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route-map to specify criteria to originate default (route-map name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-refresh

Description Advertise route-refresh capability to this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

shutdown

Description Administratively shut down this neighbor

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

strict-capability-match

Description Strict capability negotiation match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timers-holdtime

Description Holdtime

Type: number

Range: 0-65535

Default: 90

timers-keepalive

Description Keepalive interval

Type: number

Range: 0-65535

Default: 30

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

Mutual Exclusion: trunk,update-source-ip, update-source-ipv6, ethernet, loopback, ve, lif, and tunnel are mutually exclusive

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

Mutual Exclusion: tunnel,update-source-ip, update-source-ipv6, ethernet, loopback, ve, trunk, and lif are mutually exclusive

update-source-ip

Description IP address

Type: string

Format: ipv4-address

Mutual Exclusion: update-source-ip,update-source-ipv6, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

update-source-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: update-source-ipv6,update-source-ip, ethernet, loopback, ve, trunk, lif, and tunnel are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

Mutual Exclusion: ve,update-source-ip, update-source-ipv6, ethernet, loopback, trunk, lif, and tunnel are mutually exclusive

weight

Description Set default weight for routes from this neighbor

Type: number

Range: 0-65535

Default: 0

neighbor-route-map-lists

Specification	Value
Type	*list*
Block object keys	

nbr-rmap-direction

Description 'in': in; 'out': out;

Type: string

Supported Values: in, out

nbr-route-map

Description Apply route map to neighbor (Name of route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.31 router bgp neighbor trunk-neighbor

Specify a trunk unnumbered neighbor

trunk-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*trunk*
Collection Name	*trunk-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor
Element Name	trunk-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}
Element Attributes	trunk-neighbor_attributes
Partition Visibility	shared
Schema	`trunk-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor

trunk-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor

trunk-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}

trunk-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor

trunk-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}

trunk-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}

trunk-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor

trunk-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/trunk-neighbor/{trunk}

trunk-neighbor attributes

trunk-neighbor-list

trunk-neighbor-list is **JSON List** of *trunk-neighbor attributes*

```
trunk-neighbor-list : [
        { trunk-neighbor attributes },
        { trunk-neighbor attributes },
        ...
    ]
```

trunk-neighbor attributes

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

trunk

Description Trunk interface number

Type: number

Format: interface

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.32 router bgp neighbor ve-neighbor

Specify a VE unnumbered neighbor

ve-neighbor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ve*
Collection Name	*ve-neighbor-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor
Element Name	ve-neighbor
Element URI	/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}
Element Attributes	ve-neighbor_attributes
Partition Visibility	shared
Schema	`ve-neighbor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor

ve-neighbor attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor

ve-neighbor attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}

ve-neighbor attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor

ve-neighbor-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}

ve-neighbor attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}

ve-neighbor attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor

ve-neighbor-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/neighbor/ve-neighbor/{ve}

ve-neighbor attributes

ve-neighbor-list

ve-neighbor-list is **JSON List** of *ve-neighbor attributes*

ve-neighbor-list : [

{ *ve-neighbor attributes* },

{ *ve-neighbor attributes* },

...

]

ve-neighbor attributes

peer-group-name

Description

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

unnumbered

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual ethernet interface number

Type: number

Format: interface

2.107.33 router bgp network

Specify a network to announce via BGP

network Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	network
Element URI	/axapi/v3/router/bgp/{as-number}/network
Element Attributes	network_attributes
Partition Visibility	shared
Schema	`network schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/network

network_attributes

network attributes

ip-cidr-list

Type: List

Reference Object: */axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}*

monitor

Description: monitor is a **JSON Block**. Please see below for *monitor*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/monitor*

synchronization

Description: synchronization is a **JSON Block**. Please see below for *synchronization*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/synchronization*

synchronization

Specification	Value
Type	*object*

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor

Specification	Value
Type	*object*

default

Description: default is a **JSON Block**. Please see below for *monitor_default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/monitor/default*

monitor_default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-cidr-list

Specification	Value
Type	*list*
Block object keys	

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv4-cidr

Description Specify network mask

Type: string

Format: ipv4-cidr

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.34 router bgp network ip-cidr

Specify a ip network to announce via BGP

ip-cidr Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*network-ipv4-cidr*
Collection Name	*ip-cidr-list*
Collection URI	/axapi/v3/router/bgp/{as-number}/network/ip-cidr
Element Name	ip-cidr
Element URI	/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}
Element Attributes	ip-cidr_attributes
Partition Visibility	shared
Schema	`ip-cidr schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/network/ip-cidr

ip-cidr attributes

Create List

POST

/axapi/v3/router/bgp/{as-number}/network/ip-cidr

ip-cidr attributes

Get Object

GET

/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}

ip-cidr attributes

Get List

GET

/axapi/v3/router/bgp/{as-number}/network/ip-cidr

ip-cidr-list

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}

ip-cidr attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}

ip-cidr attributes

Replace List

PUT

/axapi/v3/router/bgp/{as-number}/network/ip-cidr

ip-cidr-list

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/network/ip-cidr/{network-ipv4-cidr}

ip-cidr attributes

ip-cidr-list

ip-cidr-list is **JSON List** of *ip-cidr attributes*

```
ip-cidr-list : [
        { ip-cidr attributes },
        { ip-cidr attributes },
        ...
    ]
```

ip-cidr attributes

backdoor

Description Specify a BGP backdoor route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

comm-value

Description community value in the format 1-4294967295|AA:NN|internet|local-AS|no-advertise|no-export

Type: string

Format: string-rlx

description

Description Network specific description (Up to 80 characters describing this network)

Type: string

Format: string-rlx

Maximum Length: 80 characters

Maximum Length: 1 characters

lcomm-value

Description Large community value in the format XX:YY:ZZ

Type: string

Format: string-rlx

network-ipv4-cidr

Description Specify network mask

Type: string

Format: ipv4-cidr

route-map

Description Route-map to modify the attributes (Name of the route map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.35 router bgp network monitor

monitor

monitor Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	monitor
Element URI	/axapi/v3/router/bgp/{as-number}/network/monitor
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/bgp/{as-number}/network/monitor

monitor_attributes

monitor attributes

default

Description: default is a **JSON Block**. Please see below for *default*

Type: Object

Reference Object: */axapi/v3/router/bgp/{as-number}/network/monitor/default*

default

Specification	Value
Type	*object*

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.36 router bgp network monitor default

help default

default Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	default
Element URI	/axapi/v3/router/bgp/{as-number}/network/monitor/default
Element Attributes	default_attributes
Partition Visibility	shared
Schema	`default schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/network/monitor/default

default attributes

```
POST /axapi/v3/router/bgp/1/network/monitor/default
Payload:
{
    "default": {
        "network-monitor-default": 1
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/network/monitor/default

default attributes

```
GET /axapi/v3/router/bgp/1/network/monitor/default
Reponse:
{
    "default": {
        "network-monitor-default": 1,
        "uuid": "0db182fa-09be-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/bgp/1/network/monitor/default"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/network/monitor/default

default attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/network/monitor/default

default attributes

```
PUT /axapi/v3/router/bgp/1/network/monitor/default
Payload:
{
    "default": {
        "network-monitor-default": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/network/monitor/default

default attributes

```
DELETE /axapi/v3/router/bgp/1/network/monitor/default
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

default attributes

network-monitor-default

Description default route monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.37 router bgp network synchronization

help Perform IGP synchronization

synchronization Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	synchronization
Element URI	/axapi/v3/router/bgp/{as-number}/network/synchronization
Element Attributes	synchronization_attributes
Partition Visibility	shared
Schema	`synchronization schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

```
POST /axapi/v3/router/bgp/1/network/synchronization
Payload:
{
    "synchronization": {
        "network-synchronization": 1
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

```
GET /axapi/v3/router/bgp/1/network/synchronization
Reponse:
{
    "synchronization": {
        "network-synchronization": 1,
        "uuid": "262b9870-09be-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/bgp/1/network/synchronization"
    }
}
```

Modify Object

POST

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

```
PUT /axapi/v3/router/bgp/1/network/synchronization
Payload:
{
    "synchronization": {
        "network-synchronization": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/network/synchronization

synchronization attributes

```
DELETE /axapi/v3/router/bgp/1/network/synchronization
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

synchronization attributes

network-synchronization

Description Perform IGP synchronization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.38 router bgp redistribute

Redistribute information from another routing protocol

redistribute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/bgp/{as-number}/redistribute
Element Attributes	redistribute_attributes
Partition Visibility	shared
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

```
POST /axapi/v3/router/bgp/1/redistribute
Payload:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1,
            "route-map": "a"
        }
    }
}
```

Get Object

GET

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

```
GET /axapi/v3/router/bgp/1/redistribute
Reponse:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1,
            "route-map": "a"
        },
        "floating-ip-cfg": {
            "floating-ip": 0
```

(continues on next page)

(continued from previous page)


```
        },
        "lw4o6-cfg": {
            "lw4o6": 0
        },
        "static-nat-cfg": {
            "static-nat": 0
        },
        "ip-nat-cfg": {
            "ip-nat": 0
        },
        "ip-nat-list-cfg": {
            "ip-nat-list": 0
        },
        "isis-cfg": {
            "isis": 0
        },
        "ospf-cfg": {
            "ospf": 0
        },
        "rip-cfg": {
            "rip": 0
        },
        "static-cfg": {
            "static": 0
        },
        "nat-map-cfg": {
            "nat-map": 0
        },
        "public-ip-cfg": {
            "public-ip": 0
        },
        "vip": {
            "only-flagged-cfg": {
                "only-flagged": 0
            },
            "only-not-flagged-cfg": {
                "only-not-flagged": 0
            }
        },
        "uuid": "3ebf3b30-09be-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/bgp/1/redistribute"
    }
}
```


Modify Object

POST

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

```
PUT /axapi/v3/router/bgp/1/redistribute
Payload:
{
    "redistribute": {
        "connected-cfg": {
            "connected": 1
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/bgp/{as-number}/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/bgp/1/redistribute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

redistribute attributes

connected-cfg

Description: connected-cfg is a **JSON Block**. Please see below for *connected-cfg*

Type: Object

floating-ip-cfg

Description: floating-ip-cfg is a **JSON Block**. Please see below for *floating-ip-cfg*

Type: Object

ip-nat-cfg

Description: ip-nat-cfg is a **JSON Block**. Please see below for *ip-nat-cfg*

Type: Object

ip-nat-list-cfg

Description: ip-nat-list-cfg is a **JSON Block**. Please see below for *ip-nat-list-cfg*

Type: Object

isis-cfg

Description: isis-cfg is a **JSON Block**. Please see below for *isis-cfg*

Type: Object

lw4o6-cfg

Description: lw4o6-cfg is a **JSON Block**. Please see below for *lw4o6-cfg*

Type: Object

nat-map-cfg

Description: nat-map-cfg is a **JSON Block**. Please see below for *nat-map-cfg*

Type: Object

ospf-cfg

Description: ospf-cfg is a **JSON Block**. Please see below for *ospf-cfg*

Type: Object

public-ip-cfg

Description: public-ip-cfg is a **JSON Block**. Please see below for *public-ip-cfg*

Type: Object

rip-cfg

Description: rip-cfg is a **JSON Block**. Please see below for *rip-cfg*

Type: Object

static-cfg

Description: static-cfg is a **JSON Block**. Please see below for *static-cfg*

Type: Object

static-nat-cfg

Description: static-nat-cfg is a **JSON Block**. Please see below for *static-nat-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description: vip is a **JSON Block**. Please see below for *vip*

Type: Object

ip-nat-list-cfg

Specification	Value
Type	*object*

ip-nat-list

Description IP NAT list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

lw4o6-cfg

Specification	Value
Type	*object*

lw4o6

Description LW4O6 Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

connected-cfg

Specification	Value
Type	*object*

connected

Description Connected

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip

Specification	Value
Type	*object*

only-flagged-cfg

Description: only-flagged-cfg is a **JSON Block**. Please see below for *vip_only-flagged-cfg*

Type: Object

only-not-flagged-cfg

Description: only-not-flagged-cfg is a **JSON Block**. Please see below for *vip_only-not-flagged-cfg*

Type: Object

vip_only-not-flagged-cfg

Specification	Value
Type	*object*

only-not-flagged

Description Only not flagged

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip_only-flagged-cfg

Specification	Value
Type	*object*

only-flagged

Description Selected Virtual IP (VIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-nat-cfg

Specification	Value
Type	*object*

ip-nat

Description IP NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

floating-ip-cfg

Specification	Value
Type	*object*

floating-ip

Description Floating IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

isis-cfg

Specification	Value
Type	*object*

isis

Description ISO IS-IS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

nat-map-cfg

Specification	Value
Type	*object*

nat-map

Description NAT MAP Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

rip-cfg

Specification	Value
Type	*object*

rip

Description Routing Information Protocol (RIP)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-cfg

Specification	Value
Type	*object*

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static-nat

Description Static NAT Prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static-cfg

Specification	Value
Type	*object*

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

static

Description Static routes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

public-ip-cfg

Specification	Value
Type	*object*

public-ip

Description Public IPv6/IPv4 Prefixes

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.107.39 router ipv6

IPv6 information

ipv6 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ipv6
Element URI	/axapi/v3/router/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/ipv6

ipv6_attributes

ipv6 attributes

ospf-list

Type: List

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}*

rip

Description: rip is a **JSON Block**. Please see below for *rip*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip*

ospf-list

Specification	Value
Type	*list*
Block object keys	

abr-type-option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, standard

Default: cisco

area-list

Type: List

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *ospf-list_default-information*

Type: Object

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distribute-internal-list

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *ospf-list_distribute-list*

Type: Object

ha-standby-extra-cost

Type: List

log-adjacency-changes

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *ospf-list_passive-interface*

Type: Object

process-id

Description OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ospf-list_redistribute*

Type: Object

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/redistribute*

router-id

Description router-id for the OSPF process (OSPFv3 router-id in IPv4 address format)

Type: string

Format: ipv4-address

timers

Description: timers is a **JSON Block**. Please see below for *ospf-list_timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-list_distribute-internal-list

Specification	Value
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Default: 255.255.255.255

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

cost

Description Cost

Type: number

Range: 1-65535

Default: 1

type

Description 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'static-nat': Static NAT; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'vip': Only not flagged Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, nat64, static-nat, public-ip, floating-ip, ip-nat, ip-nat-list, vip, vip-only-flagged

ospf-list_redistribute

Specification	Value
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

ospf-list_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, nat-map, static-nat, public-ip, nat64, lw4o6, isis, rip, static

ospf-list_redistribute_ospf-list

Specification	Value
Type	*list*
Block object keys	

metric-ospf

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPFV3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-list_redistribute_ip-nat-floating-list

Specification	Value
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ip-nat-prefix

Description Address

Type: string

Format: ipv6-address-plen

ospf-list_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ospf-list_redistribute_vip-floating-list

Specification	Value
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv6-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ospf-list_distribute-list

Specification	Value
Type	*object*

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *ospf-list_distribute-list_prefix-list*

Type: Object

ospf-list_distribute-list_prefix-list

Specification	Value
Type	*object*

direction

Description 'in': Filter incoming routing updates;

Type: string

Supported Values: in

value

Description Prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ospf-list_area-list

Specification	Value
Type	*list*
Block object keys	

area-ipv4

Description OSPFv3 area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPFv3 area ID as a decimal value

Type: number

Range: 0-4294967295

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Type: List

stub

Description Configure OSPFv3 area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

ospf-list_area-list_virtual-link-list

Specification	Value
Type	*list*
Block object keys	

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

instance-id

Description OSPFv3 instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

value

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

ospf-list_area-list_range-list

Specification	Value
Type	*list*
Block object keys	

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

value

Description Area range for IPv6 prefix

Type: string

Format: ipv6-address-plen

ospf-list_default-information

Specification	Value
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf-list_passive-interface

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

ospf-list_passive-interface_tunnel-cfg

Specification	Value
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ospf-list_passive-interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ospf-list_passive-interface_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

ospf-list_passive-interface_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

ospf-list_passive-interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

ospf-list_timers

Specification	Value
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *ospf-list_timers_spf*

Type: Object

ospf-list_timers_spf

Specification	Value
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *ospf-list_timers_spf_exp*

Type: Object

ospf-list_timers_spf_exp

Specification	Value
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ospf-list_ha-standby-extra-cost

Specification	Value
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

rip

Specification	Value
Type	*object*

aggregate-address-cfg

Type: List

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *rip_distribute-list*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/distribute-list*

offset-list

Description: offset-list is a **JSON Block**. Please see below for *rip_offset-list*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIPNG UDP receive buffer size (the RIPNG UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *rip_redistribute*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/redistribute*

ripng-neighbor

Description: ripng-neighbor is a **JSON Block**. Please see below for *rip_ripng-neighbor*

Type: Object

route-cfg

Type: List

route-map

Description: route-map is a **JSON Block**. Please see below for *rip_route-map*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/route-map*

timers

Description: timers is a **JSON Block**. Please see below for *rip_timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_offset-list

Specification	Value
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_offset-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_route-map

Specification	Value
Type	*object*

map-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_route-map_map-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-direction

Description 'in': Route map set for input filtering; 'out': Route map set for output filtering;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_passive-interface-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_redistribute

Specification	Value
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

rip_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

rip_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6

Prefix; 'nat-map': NAT MAP Prefix; 'nat64': NAT64 Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, nat64, static-nat, public-ip, ospf, static

rip_route-cfg

Specification	Value
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix)

Type: string

Format: ipv6-address-plen

rip_timers

Specification	Value
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *rip_timers_timers-cfg*

Type: Object

rip_timers_timers-cfg

Specification	Value
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

rip_aggregate-address-cfg

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Set aggregate RIP route announcement (Aggregate network)

Type: string

Format: ipv6-address-plen

rip_ripng-neighbor

Specification	Value
Type	*object*

ripng-neighbor-cfg

Type: List

rip_ripng-neighbor_ripng-neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

neighbor-link-local-addr

Description IPv6 link-local address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distribute-list

Specification	Value
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *rip_distribute-list_prefix*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_distribute-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

rip_distribute-list_prefix

Specification	Value
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rip_distribute-list_prefix_prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.40 router ipv6 ospf

Open Shortest Path First (OSPFv3)

ospf Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*process-id*
Collection Name	*ospf-list*
Collection URI	/axapi/v3/router/ipv6/ospf
Element Name	ospf
Element URI	/axapi/v3/router/ipv6/ospf/{process-id}
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/ospf

ospf attributes

```
POST /axapi/v3/router/ipv6/ospf/
Payload:
{
    "ospf": {
        "process-id": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/router/ipv6/ospf

ospf attributes

Get Object

GET

/axapi/v3/router/ipv6/ospf/{process-id}

ospf attributes

```
GET /axapi/v3/router/ipv6/ospf/a
Reponse:
{
    "ospf": {
        "process-id": "a",
        "abr-type-option": "cisco",
        "auto-cost-reference-bandwidth": 10000,
        "bfd-all-interfaces": 0,
        "default-metric": 20,
        "max-concurrent-dd": 5,
        "timers": {
            "spf": {
                "exp": {
                    "min-delay": 500,
                    "max-delay": 50000
                }
            }
        },
        "uuid": "2c7b5822-09bf-11f0-b934-3fb830de0af9",
        "user-tag": "a",
        "a10-url": "/axapi/v3/router/ipv6/ospf/a"
    }
}
```

Get List

GET

/axapi/v3/router/ipv6/ospf

ospf-list

Modify Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}

ospf attributes

Replace Object

PUT

/axapi/v3/router/ipv6/ospf/{process-id}

ospf attributes

```
PUT /axapi/v3/router/ipv6/ospf/a
Payload:
{
    "ospf": {
        "process-id": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/router/ipv6/ospf

ospf-list

Delete Object

DELETE

/axapi/v3/router/ipv6/ospf/{process-id}

ospf attributes

```
DELETE /axapi/v3/router/ipv6/ospf/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf-list

ospf-list is **JSON List** of *ospf attributes*

ospf-list : [

{ *ospf attributes* },

{ *ospf attributes* },

...

]

ospf attributes

abr-type-option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, standard

Default: cisco

area-list

Type: List

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *default-information*

Type: Object

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distribute-internal-list

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *distribute-list*

Type: Object

ha-standby-extra-cost

Type: List

log-adjacency-changes

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *passive-interface*

Type: Object

process-id

Description OSPFv3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Reference Object: */axapi/v3/router/ipv6/ospf/{process-id}/redistribute*

router-id

Description router-id for the OSPF process (OSPFv3 router-id in IPv4 address format)

Type: string

Format: ipv4-address

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-internal-list

Specification	Value
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Default: 255.255.255.255

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

cost

Description Cost

Type: number

Range: 1-65535

Default: 1

type

Description 'lw4o6': LW4O6 Prefix; 'nat64': NAT64 Prefix; 'static-nat': Static NAT; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'vip': Only not flagged Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, nat64, static-nat, public-ip, floating-ip, ip-nat, ip-nat-list, vip, vip-only-flagged

redistribute

Specification	Value
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, nat-map, static-nat, public-ip, nat64, lw4o6, isis, rip, static

redistribute_ospf-list

Specification	Value
Type	*list*
Block object keys	

metric-ospf

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPFV3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribute_ip-nat-floating-list

Specification	Value
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ip-nat-prefix

Description Address

Type: string

Format: ipv6-address-plen

redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_vip-floating-list

Specification	Value
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv6-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

distribute-list

Specification	Value
Type	*object*

prefix-list

Description: prefix-list is a **JSON Block**. Please see below for *distribute-list_prefix-list*

Type: Object

distribute-list_prefix-list

Specification	Value
Type	*object*

direction

Description 'in': Filter incoming routing updates;

Type: string

Supported Values: in

value

Description Prefix-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

area-list

Specification	Value
Type	*list*
Block object keys	

area-ipv4

Description OSPFv3 area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPFv3 area ID as a decimal value

Type: number

Range: 0-4294967295

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Type: List

stub

Description Configure OSPFv3 area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

area-list_virtual-link-list

Specification	Value
Type	*list*
Block object keys	

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

instance-id

Description OSPFv3 instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

value

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

area-list_range-list

Specification	Value
Type	*list*
Block object keys	

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

value

Description Area range for IPv6 prefix

Type: string

Format: ipv6-address-plen

default-information

Specification	Value
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

passive-interface

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

passive-interface_tunnel-cfg

Specification	Value
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

passive-interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

passive-interface_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

passive-interface_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

passive-interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

timers

Specification	Value
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *timers_spf*

Type: Object

timers_spf

Specification	Value
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *timers_spf_exp*

Type: Object

timers_spf_exp

Specification	Value
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ha-standby-extra-cost

Specification	Value
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

2.107.41 router ipv6 ospf area

OSPF area parameters

area Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*area-ipv4, area-num*
Collection Name	*area-list*
Collection URI	/axapi/v3/router/ipv6/ospf/{process-id}/area
Element Name	area
Element URI	/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}
Element Attributes	area_attributes
Partition Visibility	shared
Schema	`area schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/area

area attributes

Create List

POST

/axapi/v3/router/ipv6/ospf/{process-id}/area

area attributes

Get Object

GET

/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Get List

GET

/axapi/v3/router/ipv6/ospf/{process-id}/area

area-list

Modify Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Replace Object

PUT

/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Replace List

PUT

/axapi/v3/router/ipv6/ospf/{process-id}/area

area-list

Delete Object

DELETE

/axapi/v3/router/ipv6/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

area-list

area-list is **JSON List** of *area attributes*

area-list : [

{ *area attributes* },

{ *area attributes* },

...

]

area attributes

area-ipv4

Description OSPFv3 area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPFv3 area ID as a decimal value

Type: number

Range: 0-4294967295

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Type: List

stub

Description Configure OSPFv3 area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

virtual-link-list

Specification	Value
Type	*list*
Block object keys	

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

instance-id

Description OSPFv3 instance ID

Type: number

Range: 0-255

Default: 0

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

value

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

range-list

Specification	Value
Type	*list*
Block object keys	

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

value

Description Area range for IPv6 prefix

Type: string

Format: ipv6-address-plen

2.107.42 router ipv6 ospf default-information

Control distribution of default information

default-information Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	default-information
Element URI	/axapi/v3/router/ipv6/ospf/{process-id}/default-information
Element Attributes	default-information_attributes
Partition Visibility	shared
Schema	`default-information schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

```
POST /axapi/v3/router/ipv6/ospf/a/default-information
Payload:
{
    "default-information": {
        "originate": 1,
        "always": 1
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

```
GET /axapi/v3/router/ipv6/ospf/a/default-information
Reponse:
{
    "default-information": {
        "originate": 1,
        "always": 1,
        "metric-type": 2,
        "uuid": "0f0cb7b2-09c0-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ipv6/ospf/a/default-information"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

Replace Object

PUT

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

```
PUT /axapi/v3/router/ipv6/ospf/a/default-information
Payload:
{
    "default-information": {
```

(continues on next page)

(continued from previous page)

```
        "originate": 1,
        "always": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/ospf/{process-id}/default-information

default-information attributes

```
DELETE /axapi/v3/router/ipv6/ospf/a/default-information
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

default-information attributes

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.43 router ipv6 ospf redistribute

Redistribute information from another routing protocol

redistribute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/ipv6/ospf/{process-id}/redistribute
Element Attributes	redistribute_attributes
Partition Visibility	shared
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

```
POST /axapi/v3/router/ipv6/ospf/a/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

```
GET /axapi/v3/router/ipv6/ospf/a/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0,
                "metric-type": "2"
            }
        ],
        "ip-nat": 0,
        "uuid": "38cc844c-09c0-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ipv6/ospf/a/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

```
PUT /axapi/v3/router/ipv6/ospf/a/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/ospf/{process-id}/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/ipv6/ospf/a/redistribute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

redistribute attributes

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'lw4o6': LW4O6 Prefix; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, nat-map, static-nat, public-ip, nat64, lw4o6, isis, rip, static

ospf-list

Specification	Value
Type	*list*
Block object keys	

metric-ospf

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPFV3 process tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-nat-floating-list

Specification	Value
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

ip-nat-prefix

Description Address

Type: string

Format: ipv6-address-plen

vip-list

Specification	Value
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPFV3 External Type 1 metrics; '2': Set OSPFV3 External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPFV3 default metric (OSPFV3 metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

vip-floating-list

Specification	Value
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv6-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv6-address

2.107.44 router ipv6 rip

Routing Information Protocol (RIPng)

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/router/ipv6/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip

rip attributes

```
POST /axapi/v3/router/ipv6/rip
Payload:
{
    "rip": {
        "cisco-metric-behavior": "enable",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl-direction": "in",
                    "acl": "a",
                    "ethernet": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip

rip attributes

```
GET /axapi/v3/router/ipv6/rip
Reponse:
{
    "rip": {
        "cisco-metric-behavior": "enable",
        "default-metric": 1,
        "uuid": "a0963276-09c0-11f0-b934-3fb830de0af9",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl": "a",
                    "acl-direction": "in",
                    "ethernet": 1
                }
            ],
            "uuid": "a0967d1c-09c0-11f0-b934-3fb830de0af9",
            "a10-url": "/axapi/v3/router/ipv6/rip/distribute-list"
        },
        "a10-url": "/axapi/v3/router/ipv6/rip"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip

rip attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip

rip attributes

```
PUT /axapi/v3/router/ipv6/rip
Payload:
{
    "rip": {
        "default-information": "originate",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl-direction": "out",
                    "acl": "abcdefghijklmnop",
                    "loopback": 2
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip

rip attributes

```
DELETE /axapi/v3/router/ipv6/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

aggregate-address-cfg

Type: List

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *distribute-list*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/distribute-list*

offset-list

Description: offset-list is a **JSON Block**. Please see below for *offset-list*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIPNG UDP receive buffer size (the RIPNG UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/redistribute*

ripng-neighbor

Description: ripng-neighbor is a **JSON Block**. Please see below for *ripng-neighbor*

Type: Object

route-cfg

Type: List

route-map

Description: route-map is a **JSON Block**. Please see below for *route-map*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/route-map*

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

offset-list

Specification	Value
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

offset-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

route-map

Specification	Value
Type	*object*

map-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

route-map_map-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-direction

Description 'in': Route map set for input filtering; 'out': Route map set for output filtering;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

passive-interface-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

redistribute

Specification	Value
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'nat64': NAT64 Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, nat64, static-nat, public-ip, ospf, static

route-cfg

Specification	Value
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix)

Type: string

Format: ipv6-address-plen

timers

Specification	Value
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *timers_timers-cfg*

Type: Object

timers_timers-cfg

Specification	Value
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

aggregate-address-cfg

Specification	Value
Type	*list*
Block object keys	

aggregate-address

Description Set aggregate RIP route announcement (Aggregate network)

Type: string

Format: ipv6-address-plen

ripng-neighbor

Specification	Value
Type	*object*

ripng-neighbor-cfg

Type: List

ripng-neighbor_ripng-neighbor-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

neighbor-link-local-addr

Description IPv6 link-local address

Type: string

Format: ipv6-address

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distribute-list

Specification	Value
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *distribute-list_prefix*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distribute-list_prefix

Specification	Value
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-list_prefix_prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.45 router ipv6 rip distribute-list

Filter networks in routing updates

distribute-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	distribute-list
Element URI	/axapi/v3/router/ipv6/rip/distribute-list
Element Attributes	distribute-list_attributes
Partition Visibility	shared
Schema	`distribute-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

```
POST /axapi/v3/router/ipv6/rip/distribute-list
Payload:
{
    "distribute-list": {
        "acl-cfg": [
```

(continues on next page)

(continued from previous page)

```
            {
                "acl-direction": "in",
                "acl": "a",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

```
GET /axapi/v3/router/ipv6/rip/distribute-list
Reponse:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl": "a",
                "acl-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "f21e42d6-09c1-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ipv6/rip/distribute-list"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

```
PUT /axapi/v3/router/ipv6/rip/distribute-list
Payload:
{
    "distribute-list": {
        "acl-cfg": [
            {
```

(continues on next page)

(continued from previous page)

```
                "acl-direction": "out",
                "acl": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/distribute-list

distribute-list attributes

```
DELETE /axapi/v3/router/ipv6/rip/distribute-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

distribute-list attributes

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *prefix*

Type: Object

Reference Object: */axapi/v3/router/ipv6/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

prefix

Specification	Value
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix_prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.46 router ipv6 rip distribute-list prefix

Filter prefixes in routing updates

prefix Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	prefix
Element URI	/axapi/v3/router/ipv6/rip/distribute-list/prefix
Element Attributes	prefix_attributes
Partition Visibility	shared
Schema	`prefix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

```
POST /axapi/v3/router/ipv6/rip/distribute-list/prefix
Payload:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list-direction": "in",
                "prefix-list": "a",
                "ethernet": 1
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

```
GET /axapi/v3/router/ipv6/rip/distribute-list/prefix
Reponse:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list": "a",
                "prefix-list-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "21973ab8-09c2-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ipv6/rip/distribute-list/prefix"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

```
PUT /axapi/v3/router/ipv6/rip/distribute-list/prefix
Payload:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list-direction": "out",
                "prefix-list": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/distribute-list/prefix

prefix attributes

```
DELETE /axapi/v3/router/ipv6/rip/distribute-list/prefix
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

prefix attributes

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.47 router ipv6 rip offset-list

Modify RIP metric

offset-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	offset-list
Element URI	/axapi/v3/router/ipv6/rip/offset-list
Element Attributes	offset-list_attributes
Partition Visibility	shared
Schema	`offset-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

```
POST /axapi/v3/router/ipv6/rip/offset-list
Payload:
{
    "offset-list": {
        "acl-cfg": [
            {
                "metric": 0,
                "offset-list-direction": "in",
                "acl": "a",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

```
GET /axapi/v3/router/ipv6/rip/offset-list
Reponse:
{
    "offset-list": {
        "acl-cfg": [
            {
                "acl": "a",
                "offset-list-direction": "in",
                "metric": 0,
                "ethernet": 1
            }
        ],
        "uuid": "4bf23a1a-09c2-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ipv6/rip/offset-list"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

```
PUT /axapi/v3/router/ipv6/rip/offset-list
Payload:
{
    "offset-list": {
        "acl-cfg": [
            {
                "metric": 1,
                "offset-list-direction": "out",
                "acl": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/offset-list

offset-list attributes

```
DELETE /axapi/v3/router/ipv6/rip/offset-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

offset-list attributes

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.48 router ipv6 rip redistribute

Redistribute information from another routing protocol

redistribute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/ipv6/rip/redistribute
Element Attributes	redistribute_attributes
Partition Visibility	shared
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

```
POST /axapi/v3/router/ipv6/rip/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

```
GET /axapi/v3/router/ipv6/rip/redistribute
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ],
        "uuid": "75cbdb7a-09c2-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ipv6/rip/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

```
PUT /axapi/v3/router/ipv6/rip/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/ipv6/rip/redistribute
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

redistribute attributes

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

vip-list

Specification	Value
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'nat64': NAT64 Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, nat64, static-nat, public-ip, ospf, static

2.107.49 router ipv6 rip route-map

Route map set

route-map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	route-map
Element URI	/axapi/v3/router/ipv6/rip/route-map
Element Attributes	route-map_attributes
Partition Visibility	shared
Schema	`route-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

```
POST /axapi/v3/router/ipv6/rip/route-map
Payload:
{
    "route-map": {
        "map-cfg": [
            {
                "map": "a",
                "route-map-direction": "in",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

```
GET /axapi/v3/router/ipv6/rip/route-map
Reponse:
{
    "route-map": {
        "map-cfg": [
            {
                "map": "a",
                "route-map-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "a15d3a36-09c2-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ipv6/rip/route-map"
    }
}
```

Modify Object

POST

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

Replace Object

PUT

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

```
PUT /axapi/v3/router/ipv6/rip/route-map
Payload:
{
    "route-map": {
        "map-cfg": [
            {
                "map": "abcd",
                "route-map-direction": "out",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ipv6/rip/route-map

route-map attributes

```
DELETE /axapi/v3/router/ipv6/rip/route-map
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

route-map attributes

map-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

map-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

map

Description Route map name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

route-map-direction

Description 'in': Route map set for input filtering; 'out': Route map set for output filtering;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.50 router isis

Intermediate System - Intermediate System (IS-IS)

isis Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*tag*
Collection Name	*isis-list*
Collection URI	/axapi/v3/router/isis
Element Name	isis
Element URI	/axapi/v3/router/isis/{tag}
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/isis

isis attributes

```
POST /axapi/v3/router/isis/
Payload:
{
    "isis": {
        "tag": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/router/isis

isis attributes

Get Object

GET

/axapi/v3/router/isis/{tag}

isis attributes

```
GET /axapi/v3/router/isis/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "isis": {
        "tag": "a",
        "adjacency-check": 1,
        "ignore-lsp-errors": 0,
        "is-type": "level-1",
        "lsp-refresh-interval": 900,
        "max-lsp-lifetime": 1200,
        "set-overload-bit-cfg": {
            "set-overload-bit": 0
        },
        "uuid": "ca6a9176-09c2-11f0-b934-3fb830de0af9",
        "user-tag": "a",
        "a10-url": "/axapi/v3/router/isis/a"
    }
}
```

Get List

GET

/axapi/v3/router/isis

isis-list

Modify Object

POST

/axapi/v3/router/isis/{tag}

isis attributes

Replace Object

PUT

/axapi/v3/router/isis/{tag}

isis attributes

```
PUT /axapi/v3/router/isis/a
Payload:
{
    "isis": {
        "tag": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/router/isis

isis-list

Delete Object

DELETE

/axapi/v3/router/isis/{tag}

isis attributes

```
DELETE /axapi/v3/router/isis/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

isis-list

isis-list is **JSON List** of *isis attributes*

isis-list : [

{ *isis attributes* },

{ *isis attributes* },

...

]

isis attributes

address-family

Description: address-family is a **JSON Block**. Please see below for *address-family*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

area-password-cfg

Description: area-password-cfg is a **JSON Block**. Please see below for *area-password-cfg*

Type: Object

authentication

Description: authentication is a **JSON Block**. Please see below for *authentication*

Type: Object

bfd

Description 'all-interfaces': Enable BFD on all interfaces;

Type: string

Supported Values: all-interfaces

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance-list

Type: List

domain-password-cfg

Description: domain-password-cfg is a **JSON Block**. Please see below for *domain-password-cfg*

Type: Object

ha-standby-extra-cost

Type: List

ignore-lsp-errors

Description Ignore LSPs with bad checksums

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

is-type

Description 'level-1': Act as a station router only; 'level-1-2': Act as both a station router and an area router; 'level-2-only': Act as an area router only;

Type: string

Supported Values: level-1, level-1-2, level-2-only

Default: level-1

log-adjacency-changes-cfg

Description: log-adjacency-changes-cfg is a **JSON Block**. Please see below for *log-adjacency-changes-cfg*

Type: Object

lsp-gen-interval-list

Type: List

lsp-refresh-interval

Description Set LSP refresh interval (LSP refresh time in seconds)

Type: number

Range: 1-65535

Default: 900

max-lsp-lifetime

Description Set maximum LSP lifetime (Maximum LSP lifetime in seconds)

Type: number

Range: 350-65535

Default: 1200

metric-style-list

Type: List

net-list

Type: List

passive-interface-list

Type: List

protocol-list

Type: List

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/redistribute*

set-overload-bit-cfg

Description: set-overload-bit-cfg is a **JSON Block**. Please see below for *set-overload-bit-cfg*

Type: Object

spf-interval-exp-list

Type: List

summary-address-list

Type: List

tag

Description ISO routing area tag

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Default:

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-password-cfg

Specification	Value
Type	*object*

authenticate

Description: authenticate is a **JSON Block**. Please see below for *domain-password-cfg_authenticate*

Type: Object

password

Description Set the authentication password for a routing domain (Routing domain password)

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

domain-password-cfg_authenticate

Specification	Value
Type	*object*

snp

Description 'send-only': Send but do not check PDUs on receiving; 'validate': Send and check PDUs on receiving;

Type: string

Supported Values: send-only, validate

set-overload-bit-cfg

Specification	Value
Type	*object*

on-startup

Description: on-startup is a **JSON Block**. Please see below for *set-overload-bit-cfg_on-startup*

Type: Object

set-overload-bit

Description Signal other touers not to use us in SPF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

suppress-cfg

Description: suppress-cfg is a **JSON Block**. Please see below for *set-overload-bit-cfg_suppress-cfg*

Type: Object

set-overload-bit-cfg_suppress-cfg

Specification	Value
Type	*object*

external

Description If overload-bit set, don't advertise IP prefixes learned from other protocols

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interlevel

Description If overload-bit set, don't advertise IP prefixes learned from another ISIS level

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-overload-bit-cfg_on-startup

Specification	Value
Type	*object*

delay

Description Time in seconds to advertise ourself as overloaded after reboot

Type: number

Range: 5-86400

Mutual Exclusion: delay and wait-for-bgp are mutually exclusive

wait-for-bgp

Description Let BGP decide when to unset the overload bit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: wait-for-bgp and delay are mutually exclusive

net-list

Specification	Value
Type	*list*
Block object keys	

net

Description A Network Entity Title for this process (XX.XXXX. . . . .XXXX.XX Network entity title (NET))

Type: string

Format: nasp-string

Maximum Length: 128 characters

Maximum Length: 1 characters

metric-style-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-1-2

type

Description 'narrow': Use old style of TLVs with narrow metric; 'wide': Use new style of TLVs to carry wider metric; 'transition': Send and accept both styles of TLVs during transition; 'narrow-transition': Send old style of TLVs with narrow metric with accepting both styles of TLVs; 'wide-transition': Send new style of TLVs to carry wider metric with accepting both styles of TLVs;

Type: string

Supported Values: narrow, wide, transition, narrow-transition, wide-transition

Default: narrow

authentication

Specification	Value
Type	*object*

key-chain-list

Type: List

mode-list

Type: List

send-only-list

Type: List

authentication_key-chain-list

Specification	Value
Type	*list*
Block object keys	

key-chain

Description Authentication key-chain (Name of key-chain)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level

Description 'level-1': Specify authentication key-chain for level-1 PDUs; 'level-2': Specify authentication key-chain for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

authentication_mode-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication mode for level-1 PDUs; 'level-2': Specify authentication mode for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

mode

Description 'md5': Authentication mode;

Type: string

Supported Values: md5

authentication_send-only-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Specify authentication send-only for level-1 PDUs; 'level-2': Specify authentication send-only for level-2 PDUs;

Type: string

Supported Values: level-1, level-2

send-only

Description Authentication send-only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol-list

Specification	Value
Type	*list*
Block object keys	

protocol-topology

Description Protocol Topology

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-adjacency-changes-cfg

Specification	Value
Type	*object*

state

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

spf-interval-exp-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Set interval for level 1 only; 'level-2': Set interval for level 2 only;

Type: string

Supported Values: level-1, level-2

max

Description Maximum Delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min

Description Minimum Delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

passive-interface-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

summary-address-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IP network prefix

Type: string

Format: ipv4-cidr

address-family

Specification	Value
Type	*object*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *address-family_ipv6*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family/ipv6*

address-family_ipv6

Specification	Value
Type	*object*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

multi-topology-cfg

Description: multi-topology-cfg is a **JSON Block**. Please see below for *address-family_ipv6_multi-topology-cfg*

Type: Object

redistribute

Description: redistribute is a **JSON Block**. Please see below for *address-family_ipv6_redistribute*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute*

summary-prefix-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address-family_ipv6_redistribute

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

address-family_ipv6_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

address-family_ipv6_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, public-ip, nat64, ospf, rip, static

address-family_ipv6_redistribute_isis

Specification	Value
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis_level-2-from*

Type: Object

address-family_ipv6_redistribute_isis_level-2-from

Specification	Value
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis_level-2-from_into-2*

Type: Object

address-family_ipv6_redistribute_isis_level-2-from_into-2

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_redistribute_isis_level-1-from

Specification	Value
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *address-family_ipv6_redistribute_isis_level-1-from_into-1*

Type: Object

address-family_ipv6_redistribute_isis_level-1-from_into-1

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

address-family_ipv6_multi-topology-cfg

Specification	Value
Type	*object*

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Mutual Exclusion: level and transition are mutually exclusive

level-transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology

Description Enable multi-topology mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: transition and level are mutually exclusive

address-family_ipv6_summary-prefix-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

redistribute

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, public-ip, ospf, rip, static

redistribute_isis

Specification	Value
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *redistribute_isis_level-2-from*

Type: Object

redistribute_isis_level-2-from

Specification	Value
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *redistribute_isis_level-2-from_into-2*

Type: Object

redistribute_isis_level-2-from_into-2

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_isis_level-1-from

Specification	Value
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *redistribute_isis_level-1-from_into-1*

Type: Object

redistribute_isis_level-1-from_into-1

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

area-password-cfg

Specification	Value
Type	*object*

authenticate

Description: authenticate is a **JSON Block**. Please see below for *area-password-cfg_authenticate*

Type: Object

password

Description Configure the authentication password for an area (Area password)

Type: string

Format: string-rlx

Maximum Length: 254 characters

Maximum Length: 1 characters

area-password-cfg_authenticate

Specification	Value
Type	*object*

snp

Description 'send-only': Send but do not check PDUs on receiving; 'validate': Send and check PDUs on receiving;

Type: string

Supported Values: send-only, validate

lsp-gen-interval-list

Specification	Value
Type	*list*
Block object keys	

interval

Description Minimum interval in seconds

Type: number

Range: 1-120

Default: 30

level

Description 'level-1': Set interval for level 1 only; 'level-2': Set interval for level 2 only;

Type: string

Supported Values: level-1, level-2

distance-list

Specification	Value
Type	*list*
Block object keys	

System-ID

Description System-ID in XXXX.XXXX.XXXX

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

ha-standby-extra-cost

Specification	Value
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

2.107.51 router isis address-family

Enter Address Family command mode

address-family Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	address-family
Element URI	/axapi/v3/router/isis/{tag}/address-family
Element Attributes	address-family_attributes
Partition Visibility	shared
Schema	`address-family schema`

Operations Allowed:

Get Object

GET

/axapi/v3/router/isis/{tag}/address-family

address-family_attributes

address-family attributes

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family/ipv6*

ipv6

Specification	Value
Type	*object*

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

multi-topology-cfg

Description: multi-topology-cfg is a **JSON Block**. Please see below for *ipv6_multi-topology-cfg*

Type: Object

redistribute

Description: redistribute is a **JSON Block**. Please see below for *ipv6_redistribute*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute*

summary-prefix-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_redistribute

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *ipv6_redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

ipv6_redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ipv6_redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, public-ip, nat64, ospf, rip, static

ipv6_redistribute_isis

Specification	Value
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *ipv6_redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *ipv6_redistribute_isis_level-2-from*

Type: Object

ipv6_redistribute_isis_level-2-from

Specification	Value
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *ipv6_redistribute_isis_level-2-from_into-2*

Type: Object

ipv6_redistribute_isis_level-2-from_into-2

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_redistribute_isis_level-1-from

Specification	Value
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *ipv6_redistribute_isis_level-1-from_into-1*

Type: Object

ipv6_redistribute_isis_level-1-from_into-1

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipv6_multi-topology-cfg

Specification	Value
Type	*object*

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Mutual Exclusion: level and transition are mutually exclusive

level-transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology

Description Enable multi-topology mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: transition and level are mutually exclusive

ipv6_summary-prefix-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

2.107.52 router isis address-family ipv6

Address family

ipv6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6
Element URI	/axapi/v3/router/isis/{tag}/address-family/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

```
POST /axapi/v3/router/isis/a/address-family/ipv6
Payload:
{
    "ipv6": {
        "default-information": "originate",
```

(continues on next page)

(continued from previous page)

```
        "redistribute": {
            "redist-list": [
                {
                    "type": "bgp",
                    "metric": 0
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

```
GET /axapi/v3/router/isis/a/address-family/ipv6
Reponse:
{
    "ipv6": {
        "default-information": "originate",
        "adjacency-check": 1,
        "distance": 115,
        "multi-topology-cfg": {
            "multi-topology": 0
        },
        "uuid": "aae68ef8-09c3-11f0-b934-3fb830de0af9",
        "redistribute": {
            "redist-list": [
                {
                    "type": "bgp",
                    "metric": 0,
                    "metric-type": "internal",
                    "level": "level-2"
                }
            ],
            "isis": {
                "level-1-from": {
                    "into-1": {
                        "level-2": 0
                    }
                },
                "level-2-from": {
                    "into-2": {
                        "level-1": 0
                    }
                }
            },
            "uuid": "aae6daa2-09c3-11f0-b934-3fb830de0af9",
            "a10-url": "/axapi/v3/router/isis/a/address-family/ipv6/redistribute"
```

(continues on next page)

(continued from previous page)

```
        },
        "a10-url": "/axapi/v3/router/isis/a/address-family/ipv6"
    }
}
```

Modify Object

POST

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

Replace Object

PUT

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

```
PUT /axapi/v3/router/isis/a/address-family/ipv6
Payload:
{
    "ipv6": {
        "default-information": "originate",
        "redistribute": {
            "redist-list": [
                {
                    "type": "connected",
                    "metric-type": "internal"
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/isis/{tag}/address-family/ipv6

ipv6 attributes

```
DELETE /axapi/v3/router/isis/a/address-family/ipv6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6 attributes

adjacency-check

Description Check ISIS neighbor protocol support

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

default-information

Description 'originate': Distribute a default route;

Type: string

Supported Values: originate

distance

Description ISIS Administrative Distance (Distance value)

Type: number

Range: 1-255

Default: 115

multi-topology-cfg

Description: multi-topology-cfg is a **JSON Block**. Please see below for *multi-topology-cfg*

Type: Object

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Reference Object: */axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute*

summary-prefix-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

redistribute

Specification	Value
Type	*object*

isis

Description: isis is a **JSON Block**. Please see below for *redistribute_isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, public-ip, nat64, ospf, rip, static

redistribute_isis

Specification	Value
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *redistribute_isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *redistribute_isis_level-2-from*

Type: Object

redistribute_isis_level-2-from

Specification	Value
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *redistribute_isis_level-2-from_into-2*

Type: Object

redistribute_isis_level-2-from_into-2

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redistribute_isis_level-1-from

Specification	Value
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *redistribute_isis_level-1-from_into-1*

Type: Object

redistribute_isis_level-1-from_into-1

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology-cfg

Specification	Value
Type	*object*

level

Description 'level-1': Level-1 only; 'level-1-2': Level-1-2; 'level-2': Level-2 only;

Type: string

Supported Values: level-1, level-1-2, level-2

Mutual Exclusion: level and transition are mutually exclusive

level-transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-topology

Description Enable multi-topology mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

transition

Description Accept and generate both IS-IS IPv6 and Multi-topology IPV6 TLVs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: transition and level are mutually exclusive

summary-prefix-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': Summarize into level-1 area; 'level-1-2': Summarize into both area and sub-domain; 'level-2': Summarize into level-2 sub-domain;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

2.107.53 router isis address-family ipv6 redistribute

Redistribute information from another routing protocol

redistribute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute
Element Attributes	redistribute_attributes
Partition Visibility	shared
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

```
POST /axapi/v3/router/isis/a/address-family/ipv6/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
```

(continues on next page)

(continued from previous page)

```
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

```
GET /axapi/v3/router/isis/a/address-family/ipv6/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0,
                "metric-type": "internal",
                "level": "level-2"
            }
        ],
        "isis": {
            "level-1-from": {
                "into-1": {
                    "level-2": 0
                }
            },
            "level-2-from": {
                "into-2": {
                    "level-1": 0
                }
            }
        },
        "uuid": "eff5a0c4-09c3-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/isis/a/address-family/ipv6/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

```
PUT /axapi/v3/router/isis/a/address-family/ipv6/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/isis/{tag}/address-family/ipv6/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/isis/a/address-family/ipv6/redistribute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

redistribute attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

vip-list

Specification	Value
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redist-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'nat64': NAT64 Prefix; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, public-ip, nat64, ospf, rip, static

isis

Specification	Value
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *isis_level-2-from*

Type: Object

isis_level-2-from

Specification	Value
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *isis_level-2-from_into-2*

Type: Object

isis_level-2-from_into-2

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_level-1-from

Specification	Value
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *isis_level-1-from_into-1*

Type: Object

isis_level-1-from_into-1

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.107.54 router isis redistribute

Redistribute information from another routing protocol

redistribute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/isis/{tag}/redistribute
Element Attributes	redistribute_attributes
Partition Visibility	shared
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

```
POST /axapi/v3/router/isis/a/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

```
GET /axapi/v3/router/isis/a/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0,
                "metric-type": "internal",
                "level": "level-2"
            }
        ],
        "isis": {
            "level-1-from": {
                "into-1": {
                    "level-2": 0
                }
            },
            "level-2-from": {
                "into-2": {
                    "level-1": 0
                }
            }
        },
        "uuid": "4041b9aa-09c4-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/isis/a/redistribute"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

```
PUT /axapi/v3/router/isis/a/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/isis/{tag}/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/isis/a/redistribute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

redistribute attributes

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

vip-list

Specification	Value
Type	*list*
Block object keys	

vip-level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

vip-metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

vip-metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redist-list

Specification	Value
Type	*list*
Block object keys	

level

Description 'level-1': IS-IS level-1 routes only; 'level-1-2': IS-IS level-1 and level-2 routes; 'level-2': IS-IS level-2 routes only;

Type: string

Supported Values: level-1, level-1-2, level-2

Default: level-2

metric

Description Metric for redistributed routes (IS-IS default metric)

Type: number

Range: 0-4261412864

Default: 0

metric-type

Description 'external': Set IS-IS External metric type; 'internal': Set IS-IS Internal metric type;

Type: string

Supported Values: external, internal

Default: internal

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, lw4o6, nat-map, static-nat, public-ip, ospf, rip, static

isis

Specification	Value
Type	*object*

level-1-from

Description: level-1-from is a **JSON Block**. Please see below for *isis_level-1-from*

Type: Object

level-2-from

Description: level-2-from is a **JSON Block**. Please see below for *isis_level-2-from*

Type: Object

isis_level-2-from

Specification	Value
Type	*object*

into-2

Description: into-2 is a **JSON Block**. Please see below for *isis_level-2-from_into-2*

Type: Object

isis_level-2-from_into-2

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-1

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isis_level-1-from

Specification	Value
Type	*object*

into-1

Description: into-1 is a **JSON Block**. Please see below for *isis_level-1-from_into-1*

Type: Object

isis_level-1-from_into-1

Specification	Value
Type	*object*

distribute-list

Description Select routes (Access-list name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

level-2

Description Inter-area routes into level-2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.107.55 router lacp

Link Aggregation Control Protocol (LACP)

lacp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lacp
Element URI	/axapi/v3/router/lacp
Element Attributes	lacp_attributes
Partition Visibility	None
Schema	`lacp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/lacp

lacp attributes

Get Object

GET

/axapi/v3/router/lacp

lacp attributes

Modify Object

POST

/axapi/v3/router/lacp

lacp attributes

Replace Object

PUT

/axapi/v3/router/lacp

lacp attributes

Delete Object

DELETE

/axapi/v3/router/lacp

lacp attributes

lacp attributes

2.107.56 router log

Router log options

log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	log
Element URI	/axapi/v3/router/log
Element Attributes	log_attributes
Partition Visibility	shared
Schema	`log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/log

log attributes

```
POST /axapi/v3/router/log
Payload:
{
    "log": {
        "log-buffer": 1
    }
}
```

Get Object

GET

/axapi/v3/router/log

log attributes

```
GET /axapi/v3/router/log
Reponse:
{
    "log": {
        "log-buffer": 1,
        "uuid": "8c1dbacc-09c4-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/log"
    }
}
```

Modify Object

POST

/axapi/v3/router/log

log attributes

Replace Object

PUT

/axapi/v3/router/log

log attributes

```
PUT /axapi/v3/router/log
Payload:
{
    "log": {
        "log-buffer": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/router/log

log attributes

```
DELETE /axapi/v3/router/log
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

log attributes

file

Description: file is a **JSON Block**. Please see below for *file*

Type: Object

Reference Object: */axapi/v3/router/log/file*

log-buffer

Description Logging goes to log-buffer

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

file

Specification	Value
Type	*object*

name

Description Logging filename (File name)

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

per-protocol

Description Per protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotate

Description Log file rotation (Number of backup files)

Type: number

Range: 0-100

size

Description Log file maximum size (File size in MBytes)

Type: number

Range: 0-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.57 router log file

Logging to file

file Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	file
Element URI	/axapi/v3/router/log/file
Element Attributes	file_attributes
Partition Visibility	shared
Schema	`file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/log/file

file attributes

```
POST /axapi/v3/router/log/file
Payload:
{
    "file": {
        "per-protocol": 1
    }
}
```

Get Object

GET

/axapi/v3/router/log/file

file attributes

```
GET /axapi/v3/router/log/file
Reponse:
{
    "file": {
        "per-protocol": 1,
        "uuid": "a29da898-09c4-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/log/file"
    }
}
```

Modify Object

POST

/axapi/v3/router/log/file

file attributes

Replace Object

PUT

/axapi/v3/router/log/file

file attributes

```
PUT /axapi/v3/router/log/file
Payload:
{
    "file": {
        "per-protocol": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/log/file

file attributes

```
DELETE /axapi/v3/router/log/file
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

file attributes

name

Description Logging filename (File name)

Type: string

Maximum Length: 32 characters

Maximum Length: 1 characters

per-protocol

Description Per protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rotate

Description Log file rotation (Number of backup files)

Type: number

Range: 0-100

size

Description Log file maximum size (File size in MBytes)

Type: number

Range: 0-1000000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.58 router ospf

Open Shortest Path First (OSPF)

ospf Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*process-id*
Collection Name	*ospf-list*
Collection URI	/axapi/v3/router/ospf
Element Name	ospf
Element URI	/axapi/v3/router/ospf/{process-id}
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ospf

ospf attributes

```
POST /axapi/v3/router/ospf/
Payload:
{
    "ospf": {
        "process-id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/router/ospf

ospf attributes

Get Object

GET

/axapi/v3/router/ospf/{process-id}

ospf attributes

```
GET /axapi/v3/router/ospf/1
Reponse:
{
    "ospf": {
        "process-id": 1,
        "auto-cost-reference-bandwidth": 10000,
        "bfd-all-interfaces": 0,
        "rfc1583-compatible": 0,
        "default-metric": 20,
        "distance": {
            "distance-value": 110
        },
        "max-concurrent-dd": 5,
        "ospf-1": {
            "abr-type": {
                "option": "cisco"
            }
        },
        "overflow": {
            "database": {
                "count": 4294967294,
                "limit": "hard",
                "db-external": 2147483647,
                "recovery-time": 0
            }
        },
        "timers": {
            "spf": {
                "exp": {
                    "min-delay": 500,
                    "max-delay": 50000
                }
            }
        },
        "uuid": "c5a7aeb0-09c4-11f0-b934-3fb830de0af9",
        "user-tag": "a",
        "a10-url": "/axapi/v3/router/ospf/1"
    }
}
```

Get List

GET

/axapi/v3/router/ospf

ospf-list

Modify Object

POST

/axapi/v3/router/ospf/{process-id}

ospf attributes

Replace Object

PUT

/axapi/v3/router/ospf/{process-id}

ospf attributes

```
PUT /axapi/v3/router/ospf/1
Payload:
{
    "ospf": {
        "process-id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/router/ospf

ospf-list

Delete Object

DELETE

/axapi/v3/router/ospf/{process-id}

ospf attributes

```
DELETE /axapi/v3/router/ospf/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ospf-list

ospf-list is **JSON List** of *ospf attributes*

ospf-list : [

{ *ospf attributes* },

{ *ospf attributes* },

...

]

ospf attributes

area-list

Type: List

Reference Object: */axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}*

auto-cost-reference-bandwidth

Description Use reference bandwidth method to assign OSPF cost (The reference bandwidth in terms of Mbits per second)

Type: number

Range: 1-4294967

Default: 10000

bfd-all-interfaces

Description Enable BFD on all interfaces

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-information

Description: default-information is a **JSON Block**. Please see below for *default-information*

Type: Object

Reference Object: */axapi/v3/router/ospf/{process-id}/default-information*

default-metric

Description Set metric of redistributed routes (Default metric)

Type: number

Range: 1-16777214

Default: 20

distance

Description: distance is a **JSON Block**. Please see below for *distance*

Type: Object

distribute-internal-list

Type: List

distribute-lists

Type: List

extern-lsa-equivalence-check

Description external LSA equivalance check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-standby-extra-cost

Type: List

host-list

Type: List

log-adjacency-changes-cfg

Description: log-adjacency-changes-cfg is a **JSON Block**. Please see below for *log-adjacency-changes-cfg*

Type: Object

max-concurrent-dd

Description Maximum number allowed to process DD concurrently (Number of DD process)

Type: number

Range: 1-65535

Default: 5

maximum-area

Description Maximum number of non-backbone areas (OSPF area limit)

Type: number

Range: 1-4294967294

neighbor-list

Type: List

network-list

Type: List

ospf-1

Description: ospf-1 is a **JSON Block**. Please see below for *ospf-1*

Type: Object

overflow

Description: overflow is a **JSON Block**. Please see below for *overflow*

Type: Object

passive-interface

Description: passive-interface is a **JSON Block**. Please see below for *passive-interface*

Type: Object

process-id

Description OSPF process ID

Type: number

Range: 0-65535

Default: 0

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Reference Object: */axapi/v3/router/ospf/{process-id}/redistribute*

rfc1583-compatible

Description Compatible with RFC 1583

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

router-id

Description: router-id is a **JSON Block**. Please see below for *router-id*

Type: Object

summary-address-list

Type: List

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-internal-list

Specification	Value
Type	*list*
Block object keys	

di-area-ipv4

Description OSPF area ID as a IP address format

Type: string

Format: ipv4-address

di-area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

di-cost

Description Cost of route

Type: number

Range: 1-65535

Default: 1

di-type

Description 'lw4o6': LW4O6 Prefix; 'floating-ip': Floating IP; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'static-nat': Static NAT; 'vip': Only not flagged Virtual IP (VIP); 'vip-only-flagged': Selected Virtual IP (VIP);

Type: string

Supported Values: lw4o6, floating-ip, ip-nat, ip-nat-list, static-nat, public-ip, vip, vip-only-flagged

distribute-lists

Specification	Value
Type	*list*
Block object keys	

direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

option

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

ospf-id

Description OSPF process ID

Type: number

Range: 1-65535

protocol

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'lw4o6': LW4O6 Prefix; 'ip-nat': IP NAT; 'ip-nat-list': IP NAT list; 'static-nat': Static NAT; 'isis': ISO IS-IS; 'ospf': Open Shortest Path First (OSPF); 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, lw4o6, ip-nat, ip-nat-list, static-nat, public-ip, isis, ospf, rip, static

value

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

router-id

Specification	Value
Type	*object*

value

Description OSPF router-id in IPv4 address format

Type: string

Format: ipv4-address

neighbor-list

Specification	Value
Type	*list*
Block object keys	

address

Description Neighbor address

Type: string

Format: ipv4-address

cost

Description OSPF cost for point-to-multipoint neighbor (Metric)

Type: number

Range: 1-65535

poll-interval

Description OSPF dead-router polling interval (Seconds)

Type: number

Range: 1-65535

priority

Description OSPF priority of non-broadcast neighbor

Type: number

Range: 0-255

ospf-1

Specification	Value
Type	*object*

abr-type

Description: abr-type is a **JSON Block**. Please see below for *ospf-1_abr-type*

Type: Object

ospf-1_abr-type

Specification	Value
Type	*object*

option

Description 'cisco': Alternative ABR, Cisco implementation (RFC3509); 'ibm': Alternative ABR, IBM implementation (RFC3509); 'shortcut': Shortcut ABR; 'standard': Standard behavior (RFC2328);

Type: string

Supported Values: cisco, ibm, shortcut, standard

Default: cisco

host-list

Specification	Value
Type	*list*
Block object keys	

area-cfg

Description: area-cfg is a **JSON Block**. Please see below for *host-list_area-cfg*

Type: Object

host-address

Description Host address

Type: string

Format: ipv4-address

host-list_area-cfg

Specification	Value
Type	*object*

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

Mutual Exclusion: area-ipv4 and area-num are mutually exclusive

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

Mutual Exclusion: area-num and area-ipv4 are mutually exclusive

cost

Description Cost of host

Type: number

Range: 0-65535

Default: 0

log-adjacency-changes-cfg

Specification	Value
Type	*object*

state

Description 'detail': Log changes in adjacency state; 'disable': Disable logging;

Type: string

Supported Values: detail, disable

area-list

Specification	Value
Type	*list*
Block object keys	

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *area-list_auth-cfg*

Type: Object

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

filter-lists

Type: List

nssa-cfg

Description: nssa-cfg is a **JSON Block**. Please see below for *area-list_nssa-cfg*

Type: Object

range-list

Type: List

shortcut

Description 'default': Set default shortcutting behavior; 'disable': Disable shortcutting through the area; 'enable': Enable shortcutting through the area;

Type: string

Supported Values: default, disable, enable

Default: default

stub-cfg

Description: stub-cfg is a **JSON Block**. Please see below for *area-list_stub-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

area-list_nssa-cfg

Specification	Value
Type	*object*

default-information-originate

Description Originate Type 7 default into NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

Default: 1

metric-type

Description OSPF metric type (OSPF metric type for default routes)

Type: number

Range: 1-2

Default: 2

no-redistribution

Description No redistribution into this NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-summary

Description Do not send summary LSA into NSSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nssa

Description Specify a NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translator-role

Description 'always': Translate always; 'candidate': Candidate for translator (default); 'never': Do not translate;

Type: string

Supported Values: always, candidate, never

Default: candidate

area-list_filter-lists

Specification	Value
Type	*list*
Block object keys	

acl-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

acl-name

Description Filter networks by access-list (Name of an access-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list

Description Filter networks between OSPF areas

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

plist-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

plist-name

Description Filter networks by prefix-list (Name of an IP prefix-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

area-list_virtual-link-list

Specification	Value
Type	*list*
Block object keys	

authentication-key

Description Set authentication key (Authentication key (8 chars))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

md5

Description Use MD5 algorithm (Authentication key (16 chars))

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Set message digest key (Key ID)

Type: number

Range: 1-255

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

virtual-link-auth-type

Description 'message-digest': Use message-digest authentication; 'null': Use null authentication;

Type: string

Supported Values: message-digest, null

virtual-link-authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

virtual-link-ip-addr

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

area-list_stub-cfg

Specification	Value
Type	*object*

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stub

Description Configure OSPF area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

area-list_auth-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest

Description Use message-digest authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

area-list_range-list

Specification	Value
Type	*list*
Block object keys	

area-range-prefix

Description Area range for IPv4 prefix

Type: string

Format: ipv4-cidr

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

Default: advertise

summary-address-list

Specification	Value
Type	*list*
Block object keys	

not-advertise

Description Suppress routes that match the prefix

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

summary-address

Description Configure IP address summaries (Summary prefix)

Type: string

Format: ipv4-cidr

tag

Description Set tag (32-bit tag value)

Type: number

Range: 0-4294967295

passive-interface

Specification	Value
Type	*object*

eth-cfg

Type: List

lif-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

tunnel-cfg

Type: List

ve-cfg

Type: List

passive-interface_tunnel-cfg

Specification	Value
Type	*list*
Block object keys	

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

tunnel-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

loopback-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ve-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_lif-cfg

Specification	Value
Type	*list*
Block object keys	

lif

Description Logical interface (Lif interface name)

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

lif-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

trunk-address

Description Address of Interface

Type: string

Format: ipv4-address

passive-interface_eth-cfg

Specification	Value
Type	*list*
Block object keys	

eth-address

Description Address of Interface

Type: string

Format: ipv4-address

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

default-information

Specification	Value
Type	*object*

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

overflow

Specification	Value
Type	*object*

database

Description: database is a **JSON Block**. Please see below for *overflow_database*

Type: Object

overflow_database

Specification	Value
Type	*object*

count

Description Maximum number of LSAs

Type: number

Range: 0-4294967294

Default: 4294967294

db-external

Description Maximum number of LSAs

Type: number

Range: 0-2147483647

Default: 2147483647

limit

Description 'hard': Hard limit: Instance will be shutdown if exceeded; 'soft': Soft limit: Warning will be given if exceeded;

Type: string

Supported Values: hard, soft

Default: hard

recovery-time

Description Time to recover (0 not recover)

Type: number

Range: 0-65535

Default: 0

distance

Specification	Value
Type	*object*

distance-ospf

Description: distance-ospf is a **JSON Block**. Please see below for *distance_distance-ospf*

Type: Object

distance-value

Description OSPF Administrative distance

Type: number

Range: 1-255

Default: 110

distance_distance-ospf

Specification	Value
Type	*object*

distance-external

Description External routes (Distance for external routes)

Type: number

Range: 1-255

distance-inter-area

Description Inter-area routes (Distance for inter-area routes)

Type: number

Range: 1-255

distance-intra-area

Description Intra-area routes (Distance for intra-area routes)

Type: number

Range: 1-255

redistribute

Specification	Value
Type	*object*

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ip-nat

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, lw4o6, nat-map, static-nat, public-ip, isis, rip, static

redistribute_ospf-list

Specification	Value
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: number

Range: 1-65535

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ospf

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

redistribute_ip-nat-floating-list

Specification	Value
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

ip-nat-prefix

Description Address

Type: string

Format: ipv4-cidr

redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-vip

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_vip-floating-list

Specification	Value
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv4-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

network-list

Specification	Value
Type	*list*
Block object keys	

network-area

Description: network-area is a **JSON Block**. Please see below for *network-list_network-area*

Type: Object

network-ipv4

Description Network number

Type: string

Format: ipv4-address

network-ipv4-cidr

Description OSPF network prefix

Type: string

Format: ipv4-cidr

network-ipv4-mask

Description OSPF wild card bits

Type: string

Format: ipv4-rev-netmask

network-list_network-area

Specification	Value
Type	*object*

instance-value

Description Instance ID

Type: number

Range: 0-255

Default: 0

network-area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

network-area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

timers

Specification	Value
Type	*object*

spf

Description: spf is a **JSON Block**. Please see below for *timers_spf*

Type: Object

timers_spf

Specification	Value
Type	*object*

exp

Description: exp is a **JSON Block**. Please see below for *timers_spf_exp*

Type: Object

timers_spf_exp

Specification	Value
Type	*object*

max-delay

Description Maximum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 50000

min-delay

Description Minimum delay between receiving a change to SPF calculation in milliseconds

Type: number

Range: 0-2147483647

Default: 500

ha-standby-extra-cost

Specification	Value
Type	*list*
Block object keys	

extra-cost

Description The extra cost value

Type: number

Range: 1-65535

group

Description Group (Group ID)

Type: number

Range: 0-31

2.107.59 router ospf area

OSPF area parameters

area Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*area-ipv4, area-num*
Collection Name	*area-list*
Collection URI	/axapi/v3/router/ospf/{process-id}/area
Element Name	area
Element URI	/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}
Element Attributes	area_attributes
Partition Visibility	shared
Schema	`area schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ospf/{process-id}/area

area attributes

Create List

POST

/axapi/v3/router/ospf/{process-id}/area

area attributes

Get Object

GET

/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Get List

GET

/axapi/v3/router/ospf/{process-id}/area

area-list

Modify Object

POST

/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Replace Object

PUT

/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

Replace List

PUT

/axapi/v3/router/ospf/{process-id}/area

area-list

Delete Object

DELETE

/axapi/v3/router/ospf/{process-id}/area/{area-ipv4}+{area-num}

area attributes

area-list

area-list is **JSON List** of *area attributes*

```
area-list : [
        { area attributes },
        { area attributes },
        ...
    ]
```

area attributes

area-ipv4

Description OSPF area ID in IP address format

Type: string

Format: ipv4-address

area-num

Description OSPF area ID as a decimal value

Type: number

Range: 0-4294967295

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *auth-cfg*

Type: Object

default-cost

Description Set the summary-default cost of a NSSA or stub area (Stub's advertised default summary cost)

Type: number

Range: 0-16777215

Default: 1

filter-lists

Type: List

nssa-cfg

Description: nssa-cfg is a **JSON Block**. Please see below for *nssa-cfg*

Type: Object

range-list

Type: List

shortcut

Description 'default': Set default shortcutting behavior; 'disable': Disable shortcutting through the area; 'enable': Enable shortcutting through the area;

Type: string

Supported Values: default, disable, enable

Default: default

stub-cfg

Description: stub-cfg is a **JSON Block**. Please see below for *stub-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-link-list

Type: List

nssa-cfg

Specification	Value
Type	*object*

default-information-originate

Description Originate Type 7 default into NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

Default: 1

metric-type

Description OSPF metric type (OSPF metric type for default routes)

Type: number

Range: 1-2

Default: 2

no-redistribution

Description No redistribution into this NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-summary

Description Do not send summary LSA into NSSA

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

nssa

Description Specify a NSSA area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

translator-role

Description ‘always’: Translate always; ‘candidate’: Candidate for translator (default); ‘never’: Do not translate;

Type: string

Supported Values: always, candidate, never

Default: candidate

filter-lists

Specification	Value
Type	*list*
Block object keys	

acl-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

acl-name

Description Filter networks by access-list (Name of an access-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

filter-list

Description Filter networks between OSPF areas

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

plist-direction

Description 'in': Filter networks sent to this area; 'out': Filter networks sent from this area;

Type: string

Supported Values: in, out

plist-name

Description Filter networks by prefix-list (Name of an IP prefix-list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

virtual-link-list

Specification	Value
Type	*list*
Block object keys	

authentication-key

Description Set authentication key (Authentication key (8 chars))

Type: string

Format: string-rlx

Maximum Length: 8 characters

Maximum Length: 1 characters

bfd

Description Bidirectional Forwarding Detection (BFD)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dead-interval

Description Dead router detection time (Seconds)

Type: number

Range: 1-65535

hello-interval

Description Hello packet interval (Seconds)

Type: number

Range: 1-65535

md5

Description Use MD5 algorithm (Authentication key (16 chars))

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

message-digest-key

Description Set message digest key (Key ID)

Type: number

Range: 1-255

retransmit-interval

Description LSA retransmit interval (Seconds)

Type: number

Range: 1-3600

transmit-delay

Description LSA transmission delay (Seconds)

Type: number

Range: 1-3600

Default: 1

virtual-link-auth-type

Description 'message-digest': Use message-digest authentication; 'null': Use null authentication;

Type: string

Supported Values: message-digest, null

virtual-link-authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

virtual-link-ip-addr

Description ID (IP addr) associated with virtual link neighbor

Type: string

Format: ipv4-address

stub-cfg

Specification	Value
Type	*object*

no-summary

Description Do not inject inter-area routes into area

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stub

Description Configure OSPF area as stub

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-cfg

Specification	Value
Type	*object*

authentication

Description Enable authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-digest

Description Use message-digest authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

range-list

Specification	Value
Type	*list*
Block object keys	

area-range-prefix

Description Area range for IPv4 prefix

Type: string

Format: ipv4-cidr

option

Description 'advertise': Advertise this range (default); 'not-advertise': DoNotAdvertise this range;

Type: string

Supported Values: advertise, not-advertise

Default: advertise

2.107.60 router ospf default-information

Control distribution of default information

default-information Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	default-information
Element URI	/axapi/v3/router/ospf/{process-id}/default-information
Element Attributes	default-information_attributes
Partition Visibility	shared
Schema	`default-information schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

```
POST /axapi/v3/router/ospf/1/default-information
Payload:
{
    "default-information": {
        "originate": 1,
        "always": 1
    }
}
```

Get Object

GET

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

```
GET /axapi/v3/router/ospf/1/default-information
Reponse:
{
    "default-information": {
        "originate": 1,
        "always": 1,
        "metric-type": 2,
        "uuid": "a418f982-09c6-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ospf/1/default-information"
    }
}
```

Modify Object

POST

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

Replace Object

PUT

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

```
PUT /axapi/v3/router/ospf/1/default-information
Payload:
{
    "default-information": {
        "originate": 1,
        "always": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ospf/{process-id}/default-information

default-information attributes

```
DELETE /axapi/v3/router/ospf/1/default-information
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

default-information attributes

always

Description Always advertise default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description OSPF metric type for default routes

Type: number

Range: 1-2

Default: 2

originate

Description Distribute a default route

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.107.61 router ospf redistribute

Redistribute information from another routing protocol

redistribute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/ospf/{process-id}/redistribute
Element Attributes	redistribute_attributes
Partition Visibility	shared
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

```
POST /axapi/v3/router/ospf/1/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

```
GET /axapi/v3/router/ospf/1/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0,
                "metric-type": "2"
            }
        ],
        "ip-nat": 0,
        "uuid": "bca9b13a-09c6-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/ospf/1/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

```
PUT /axapi/v3/router/ospf/1/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/ospf/{process-id}/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/ospf/1/redistribute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

redistribute attributes

ip-nat

Description IP-NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-nat-floating-list

Type: List

metric-ip-nat

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ip-nat

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf-list

Type: List

redist-list

Type: List

route-map-ip-nat

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ip-nat

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-floating-list

Type: List

vip-list

Type: List

redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'lw4o6': LW4O6 Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'isis': ISO IS-IS; 'rip': Routing Information Protocol (RIP); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, lw4o6, nat-map, static-nat, public-ip, isis, rip, static

ospf-list

Specification	Value
Type	*list*
Block object keys	

metric-ospf

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

metric-type-ospf

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

ospf

Description Open Shortest Path First (OSPF)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

process-id

Description OSPF process ID

Type: number

Range: 1-65535

route-map-ospf

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-ospf

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-4294967295

ip-nat-floating-list

Specification	Value
Type	*list*
Block object keys	

ip-nat-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

ip-nat-prefix

Description Address

Type: string

Format: ipv4-cidr

vip-list

Specification	Value
Type	*list*
Block object keys	

metric-type-vip

Description '1': Set OSPF External Type 1 metrics; '2': Set OSPF External Type 2 metrics;

Type: string

Supported Values: 1, 2

Default: 2

metric-vip

Description OSPF default metric (OSPF metric)

Type: number

Range: 0-16777214

route-map-vip

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

tag-vip

Description Set tag for routes redistributed into OSPF (32-bit tag value)

Type: number

Range: 0-2147483647

type-vip

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

vip-floating-list

Specification	Value
Type	*list*
Block object keys	

vip-address

Description Address

Type: string

Format: ipv4-address

vip-floating-IP-forward

Description Floating-IP as forward address

Type: string

Format: ipv4-address

2.107.62 router rip

Routing Information Protocol (RIP)

rip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rip
Element URI	/axapi/v3/router/rip
Element Attributes	rip_attributes
Partition Visibility	shared
Schema	`rip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip

rip attributes

```
POST /axapi/v3/router/rip
Payload:
{
    "rip": {
        "cisco-metric-behavior": "enable",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl-direction": "in",
                    "acl": "a",
                    "ethernet": 1
                }
            ]
        }
    }
}
```

Get Object

GET

/axapi/v3/router/rip

rip attributes

```
GET /axapi/v3/router/rip
Reponse:
{
    "rip": {
        "cisco-metric-behavior": "enable",
        "default-metric": 1,
        "version": 2,
        "uuid": "370f92aa-09c7-11f0-b934-3fb830de0af9",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl": "a",
                    "acl-direction": "in",
                    "ethernet": 1
                }
            ],
            "uuid": "370fc9d2-09c7-11f0-b934-3fb830de0af9",
            "a10-url": "/axapi/v3/router/rip/distribute-list"
        },
        "a10-url": "/axapi/v3/router/rip"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip

rip attributes

Replace Object

PUT

/axapi/v3/router/rip

rip attributes

```
PUT /axapi/v3/router/rip
Payload:
{
    "rip": {
        "default-information": "originate",
        "distribute-list": {
            "acl-cfg": [
                {
                    "acl-direction": "out",
                    "acl": "abc",
                    "loopback": 2
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip

rip attributes

```
DELETE /axapi/v3/router/rip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rip attributes

cisco-metric-behavior

Description 'enable': Enables updating metric consistent with Cisco; 'disable': Disables updating metric consistent with Cisco; (Enable/Disable updating metric consistent with Cisco)

Type: string

Supported Values: enable, disable

Default: disable

default-information

Description 'originate': originate; (Distribute default route)

Type: string

Supported Values: originate

default-metric

Description Set a metric of redistribute routes (Default metric)

Type: number

Range: 1-16

Default: 1

distance-list-cfg

Type: List

distribute-list

Description: distribute-list is a **JSON Block**. Please see below for *distribute-list*

Type: Object

Reference Object: */axapi/v3/router/rip/distribute-list*

neighbor

Type: List

network-addresses

Type: List

network-interface-list-cfg

Type: List

offset-list

Description: offset-list is a **JSON Block**. Please see below for *offset-list*

Type: Object

Reference Object: */axapi/v3/router/rip/offset-list*

passive-interface-list

Type: List

recv-buffer-size

Description Set the RIP UDP receive buffer size (the RIP UDP receive buffer size value)

Type: number

Range: 8192-2147483647

redistribute

Description: redistribute is a **JSON Block**. Please see below for *redistribute*

Type: Object

Reference Object: */axapi/v3/router/rip/redistribute*

rip-maximum-prefix-cfg

Description: rip-maximum-prefix-cfg is a **JSON Block**. Please see below for *rip-maximum-prefix-cfg*

Type: Object

route-cfg

Type: List

timers

Description: timers is a **JSON Block**. Please see below for *timers*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description Set routing protocol version (RIP version)

Type: number

Range: 1-2

Default: 2

rip-maximum-prefix-cfg

Specification	Value
Type	*object*

maximum-prefix

Description Set the maximum number of RIP routes

Type: number

Range: 1-2048

maximum-prefix-thres

Description Percentage of maximum routes to generate a warning (Default 75%)

Type: number

Range: 1-100

Default: 75

route-cfg

Specification	Value
Type	*list*
Block object keys	

route

Description Static route advertisement (debugging purpose) (IP prefix network/length)

Type: string

Format: ipv4-cidr

passive-interface-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

redistribute

Specification	Value
Type	*object*

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

redistribute_vip-list

Specification	Value
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redistribute_redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6

Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, static-nat, public-ip, ospf, static

network-interface-list-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

timers

Specification	Value
Type	*object*

timers-cfg

Description: timers-cfg is a **JSON Block**. Please see below for *timers_timers-cfg*

Type: Object

timers_timers-cfg

Specification	Value
Type	*object*

basic

Description Basic routing protocol update timers (Routing table update timer value in second. Default is 30)

Type: number

Range: 5-2147483647

val-2

Description Routing information timeout timer. Default is 180

Type: number

Range: 5-2147483647

val-3

Description Garbage collection timer. Default is 120

Type: number

Range: 5-2147483647

neighbor

Specification	Value
Type	*list*
Block object keys	

value

Description Neighbor address

Type: string

Format: ipv4-address

offset-list

Specification	Value
Type	*object*

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

offset-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distribute-list

Specification	Value
Type	*object*

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *distribute-list_prefix*

Type: Object

Reference Object: */axapi/v3/router/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-list_acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distribute-list_prefix

Specification	Value
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distribute-list_prefix_prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

distance-list-cfg

Specification	Value
Type	*list*
Block object keys	

distance

Description Administrative distance (Distance value)

Type: number

Range: 1-255

Default: 120

distance-acl

Description Access list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

distance-ipv4-mask

Description IP source prefix

Type: string

Format: ipv4-cidr

network-addresses

Specification	Value
Type	*list*
Block object keys	

network-ipv4-mask

Description IP prefix network/length, e.g., 35.0.0.0/8

Type: string

Format: ipv4-cidr

2.107.63 router rip distribute-list

Filter networks in routing updates

distribute-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	distribute-list
Element URI	/axapi/v3/router/rip/distribute-list
Element Attributes	distribute-list_attributes
Partition Visibility	shared
Schema	`distribute-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip/distribute-list

distribute-list attributes

```
POST /axapi/v3/router/rip/distribute-list
Payload:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl-direction": "in",
                "acl": "a",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/rip/distribute-list

distribute-list attributes

```
GET /axapi/v3/router/rip/distribute-list
Reponse:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl": "a",
                "acl-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "4755b9b2-09c9-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/rip/distribute-list"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip/distribute-list

distribute-list attributes

Replace Object

PUT

/axapi/v3/router/rip/distribute-list

distribute-list attributes

```
PUT /axapi/v3/router/rip/distribute-list
Payload:
{
    "distribute-list": {
        "acl-cfg": [
            {
                "acl-direction": "out",
                "acl": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip/distribute-list

distribute-list attributes

```
DELETE /axapi/v3/router/rip/distribute-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

distribute-list attributes

acl-cfg

Type: List

prefix

Description: prefix is a **JSON Block**. Please see below for *prefix*

Type: Object

Reference Object: */axapi/v3/router/rip/distribute-list/prefix*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

acl-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

prefix

Specification	Value
Type	*object*

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix_prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.64 router rip distribute-list prefix

Filter prefixes in routing updates

prefix Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	prefix
Element URI	/axapi/v3/router/rip/distribute-list/prefix
Element Attributes	prefix_attributes
Partition Visibility	shared
Schema	`prefix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

```
POST /axapi/v3/router/rip/distribute-list/prefix
Payload:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list-direction": "in",
                "prefix-list": "a",
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

```
GET /axapi/v3/router/rip/distribute-list/prefix
Reponse:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list": "a",
```

(continues on next page)

(continued from previous page)

```
                "prefix-list-direction": "in",
                "ethernet": 1
            }
        ],
        "uuid": "7596a836-09c9-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/rip/distribute-list/prefix"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

Replace Object

PUT

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

```
PUT /axapi/v3/router/rip/distribute-list/prefix
Payload:
{
    "prefix": {
        "prefix-cfg": [
            {
                "prefix-list-direction": "out",
                "prefix-list": "abcd",
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip/distribute-list/prefix

prefix attributes

```
DELETE /axapi/v3/router/rip/distribute-list/prefix
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

prefix attributes

prefix-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

prefix-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

prefix-list

Description Filter prefixes in routing updates (Name of a prefix list)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

prefix-list-direction

Description 'in': Filter incoming routing updates; 'out': Filter outgoing routing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.65 router rip offset-list

Modify RIP metric

offset-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	offset-list
Element URI	/axapi/v3/router/rip/offset-list
Element Attributes	offset-list_attributes
Partition Visibility	shared
Schema	`offset-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip/offset-list

offset-list attributes

```
POST /axapi/v3/router/rip/offset-list
Payload:
{
    "offset-list": {
        "acl-cfg": [
            {
                "metric": 0,
                "offset-list-direction": "in",
                "acl": "a",
                "ethernet": 4
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/rip/offset-list

offset-list attributes

```
GET /axapi/v3/router/rip/offset-list
Reponse:
{
    "offset-list": {
        "acl-cfg": [
            {
                "acl": "a",
                "offset-list-direction": "in",
                "metric": 0,
                "ethernet": 4
            }
        ],
        "uuid": "a6975098-09c9-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/rip/offset-list"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip/offset-list

offset-list attributes

Replace Object

PUT

/axapi/v3/router/rip/offset-list

offset-list attributes

```
PUT /axapi/v3/router/rip/offset-list
Payload:
{
    "offset-list": {
        "acl-cfg": [
            {
                "metric": 1,
                "offset-list-direction": "out",
                "acl": "abcd",
                "ethernet": 5
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip/offset-list

offset-list attributes

```
DELETE /axapi/v3/router/rip/offset-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

offset-list attributes

acl-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

acl-cfg

Specification	Value
Type	*list*
Block object keys	

acl

Description Access-list name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ethernet

Description Ethernet interface (Port number)

Type: number

Format: interface

loopback

Description Loopback interface (Port number)

Type: number

Format: interface

metric

Description Metric value

Type: number

Range: 0-16

offset-list-direction

Description 'in': Filter incoming updates; 'out': Filter outgoing updates;

Type: string

Supported Values: in, out

trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

tunnel

Description Tunnel interface (Tunnel interface number)

Type: number

Format: interface

ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

2.107.66 router rip redistribute

Redistribute information from another routing protocol

redistribute Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	redistribute
Element URI	/axapi/v3/router/rip/redistribute
Element Attributes	redistribute_attributes
Partition Visibility	shared
Schema	`redistribute schema`

Operations Allowed:

Create Object

POST

/axapi/v3/router/rip/redistribute

redistribute attributes

```
POST /axapi/v3/router/rip/redistribute
Payload:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/router/rip/redistribute

redistribute attributes

```
GET /axapi/v3/router/rip/redistribute
Reponse:
{
    "redistribute": {
        "redist-list": [
            {
                "type": "bgp",
                "metric": 0
            }
        ],
        "uuid": "e8176ef4-09c9-11f0-b934-3fb830de0af9",
        "a10-url": "/axapi/v3/router/rip/redistribute"
    }
}
```

Modify Object

POST

/axapi/v3/router/rip/redistribute

redistribute attributes

Replace Object

PUT

/axapi/v3/router/rip/redistribute

redistribute attributes

```
PUT /axapi/v3/router/rip/redistribute
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "redistribute": {
        "redist-list": [
            {
                "type": "connected",
                "metric": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/router/rip/redistribute

redistribute attributes

```
DELETE /axapi/v3/router/rip/redistribute
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

redistribute attributes

redist-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-list

Type: List

vip-list

Specification	Value
Type	*list*
Block object keys	

vip-metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

vip-route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

vip-type

Description 'only-flagged': Selected Virtual IP (VIP); 'only-not-flagged': Only not flagged;

Type: string

Supported Values: only-flagged, only-not-flagged

redist-list

Specification	Value
Type	*list*
Block object keys	

metric

Description Metric for redistributed routes (metric value)

Type: number

Range: 0-16

route-map

Description Route map reference (Pointer to route-map entries)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

type

Description 'bgp': Border Gateway Protocol (BGP); 'connected': Connected; 'floating-ip': Floating IP; 'ip-nat-list': IP NAT list; 'ip-nat': IP NAT; 'isis': ISO IS-IS; 'lw4o6': LW4O6

Prefix; 'nat-map': NAT MAP Prefix; 'static-nat': Static NAT; 'ospf': Open Shortest Path First (OSPF); 'static': Static routes;

Type: string

Supported Values: bgp, connected, floating-ip, ip-nat-list, ip-nat, isis, lw4o6, nat-map, static-nat, public-ip, ospf, static

2.108 rrd

Objects:

2.108.1 rrd

RRD statistics

rrd Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	rrd
Element URI	/axapi/v3/rrd
Element Attributes	rrd_attributes
Partition Visibility	shared
Schema	`rrd schema`

Operations Allowed:

Get Object

GET

/axapi/v3/rrd

rrd_attributes

rrd attributes

cgn

Description: cgn is a **JSON Block**. Please see below for *cgn*

Type: Object

Reference Object: */axapi/v3/rrd/cgn*

cpu

Description: cpu is a **JSON Block**. Please see below for *cpu*

Type: Object

Reference Object: */axapi/v3/rrd/cpu*

cpuavg

Description: cpuavg is a **JSON Block**. Please see below for *cpuavg*

Type: Object

Reference Object: */axapi/v3/rrd/cpuavg*

disk

Description: disk is a **JSON Block**. Please see below for *disk*

Type: Object

Reference Object: */axapi/v3/rrd/disk*

ethernet

Description: ethernet is a **JSON Block**. Please see below for *ethernet*

Type: Object

Reference Object: */axapi/v3/rrd/ethernet*

ethernet-all

Description: ethernet-all is a **JSON Block**. Please see below for *ethernet-all*

Type: Object

Reference Object: */axapi/v3/rrd/ethernet-all*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Reference Object: */axapi/v3/rrd/global*

memory

Description: memory is a **JSON Block**. Please see below for *memory*

Type: Object

Reference Object: */axapi/v3/rrd/memory*

performance

Description: performance is a **JSON Block**. Please see below for *performance*

Type: Object

Reference Object: */axapi/v3/rrd/performance*

slb-server

Description: slb-server is a **JSON Block**. Please see below for *slb-server*

Type: Object

Reference Object: */axapi/v3/rrd/slb-server*

slb-service-group

Description: slb-service-group is a **JSON Block**. Please see below for *slb-service-group*

Type: Object

Reference Object: */axapi/v3/rrd/slb-service-group*

slb-virtual-server

Description: slb-virtual-server is a **JSON Block**. Please see below for *slb-virtual-server*

Type: Object

Reference Object: */axapi/v3/rrd/slb-virtual-server*

ethernet-all

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-virtual-server

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgn

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-service-group

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

memory

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

performance

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpuavg

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-server

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disk

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.108.2 rrd cgn oper

Operational Status for the object cgn

cgn Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cgn
Element URI	/axapi/v3/rrd/cgn/oper
Element Attributes	cgn_attributes
Partition Visibility	None
Schema	`cgn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/cgn/oper

cgn attributes

Get Object

GET

/axapi/v3/rrd/cgn/oper

cgn attributes

Modify Object

POST

/axapi/v3/rrd/cgn/oper

cgn attributes

Replace Object

PUT

/axapi/v3/rrd/cgn/oper

cgn attributes

Delete Object

DELETE

/axapi/v3/rrd/cgn/oper

cgn attributes

cgn attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cgn-data

Type: List

end-time

Description

Type: number

start-time

Description

Type: number

oper_cgn-data

Specification	Value
Type	*list*
Block object keys	

dslite_user_quota_create

Description

Type: number

dslite_user_quota_delete

Description

Type: number

lsn_user_quota_create

Description

Type: number

lsn_user_quota_delete

Description

Type: number

nat64_user_quota_create

Description

Type: number

nat64_user_quota_delete

Description

Type: number

time

Description

Type: number

2.108.3 rrd cpu oper

Operational Status for the object cpu

cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cpu
Element URI	/axapi/v3/rrd/cpu/oper
Element Attributes	cpu_attributes
Partition Visibility	None
Schema	`cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/cpu/oper

cpu attributes

Get Object

GET

/axapi/v3/rrd/cpu/oper

cpu attributes

Modify Object

POST

/axapi/v3/rrd/cpu/oper

cpu attributes

Replace Object

PUT

/axapi/v3/rrd/cpu/oper

cpu attributes

Delete Object

DELETE

/axapi/v3/rrd/cpu/oper

cpu attributes

cpu attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-usage

Type: List

end-time

Description

Type: number

start-time

Description

Type: number

oper_cpu-usage

Specification	Value
Type	*list*
Block object keys	

cpu-id

Description

Type: number

cpu-type

Description

Type: number

cpu-usage

Description

Type: string

time

Description

Type: number

2.108.4 rrd cpuavg oper

Operational Status for the object cpuavg

cpuavg Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cpuavg
Element URI	/axapi/v3/rrd/cpuavg/oper
Element Attributes	cpuavg_attributes
Partition Visibility	None
Schema	`cpuavg schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/cpuavg/oper

cpuavg attributes

Get Object

GET

/axapi/v3/rrd/cpuavg/oper

cpuavg attributes

Modify Object

POST

/axapi/v3/rrd/cpuavg/oper

cpuavg attributes

Replace Object

PUT

/axapi/v3/rrd/cpuavg/oper

cpuavg attributes

Delete Object

DELETE

/axapi/v3/rrd/cpuavg/oper

cpuavg attributes

cpuavg attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-usage

Type: List

end-time

Description

Type: number

start-time

Description

Type: number

oper_cpu-usage

Specification	Value
Type	*list*
Block object keys	

cpu-num

Description

Type: number

cpu-type

Description

Type: number

cpu-usage

Description

Type: string

time

Description

Type: number

2.108.5 rrd disk oper

Operational Status for the object disk

disk Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	disk
Element URI	/axapi/v3/rrd/disk/oper
Element Attributes	disk_attributes
Partition Visibility	None
Schema	`disk schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/disk/oper

disk attributes

Get Object

GET

/axapi/v3/rrd/disk/oper

disk attributes

Modify Object

POST

/axapi/v3/rrd/disk/oper

disk attributes

Replace Object

PUT

/axapi/v3/rrd/disk/oper

disk attributes

Delete Object

DELETE

/axapi/v3/rrd/disk/oper

disk attributes

disk attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

alldynamic

Description

Type: number

disk-usage

Type: List

end-time

Description

Type: number

start-time

Description

Type: number

total-disk

Description

Type: string

oper_disk-usage

Specification	Value
Type	*list*
Block object keys	

disk-usage

Description

Type: string

time

Description

Type: number

2.108.6 rrd ethernet-all oper

Operational Status for the object ethernet-all

ethernet-all Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ethernet-all
Element URI	/axapi/v3/rrd/ethernet-all/oper
Element Attributes	ethernet-all_attributes
Partition Visibility	None
Schema	`ethernet-all schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/ethernet-all/oper

ethernet-all attributes

Get Object

GET

/axapi/v3/rrd/ethernet-all/oper

ethernet-all attributes

Modify Object

POST

/axapi/v3/rrd/ethernet-all/oper

ethernet-all attributes

Replace Object

PUT

/axapi/v3/rrd/ethernet-all/oper

ethernet-all attributes

Delete Object

DELETE

/axapi/v3/rrd/ethernet-all/oper

ethernet-all attributes

ethernet-all attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

end-time

Description

Type: number

ethernet-statistics

Type: List

start-time

Description

Type: number

oper_ethernet-statistics

Specification	Value
Type	*list*
Block object keys	

ethernet-index

Description

Type: number

stat

Type: List

oper_ethernet-statistics_stat

Specification	Value
Type	*list*
Block object keys	

time

Description

Type: number

tx_bits

Description

Type: number

2.108.7 rrd ethernet oper

Operational Status for the object ethernet

ethernet Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ethernet
Element URI	/axapi/v3/rrd/ethernet/oper
Element Attributes	ethernet_attributes
Partition Visibility	None
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/ethernet/oper

ethernet attributes

Get Object

GET

/axapi/v3/rrd/ethernet/oper

ethernet attributes

Modify Object

POST

/axapi/v3/rrd/ethernet/oper

ethernet attributes

Replace Object

PUT

/axapi/v3/rrd/ethernet/oper

ethernet attributes

Delete Object

DELETE

/axapi/v3/rrd/ethernet/oper

ethernet attributes

ethernet attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

end-time

Description

Type: number

ethernet-index

Description

Type: number

ethernet-statistics

Type: List

start-time

Description

Type: number

oper_ethernet-statistics

Specification	Value
Type	*list*
Block object keys	

rx_bits

Description

Type: number

rx_drop

Description

Type: number

rx_error

Description

Type: number

rx_packets

Description

Type: number

time

Description

Type: number

tx_bits

Description

Type: number

tx_drop

Description

Type: number

tx_error

Description

Type: number

tx_packets

Description

Type: number

2.108.8 rrd global oper

Operational Status for the object global

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/rrd/global/oper
Element Attributes	global_attributes
Partition Visibility	None
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/global/oper

global attributes

Get Object

GET

/axapi/v3/rrd/global/oper

global attributes

Modify Object

POST

/axapi/v3/rrd/global/oper

global attributes

Replace Object

PUT

/axapi/v3/rrd/global/oper

global attributes

Delete Object

DELETE

/axapi/v3/rrd/global/oper

global attributes

global attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

end-time

Description

Type: number

global-data

Type: List

start-time

Description

Type: number

oper_global-data

Specification	Value
Type	*list*
Block object keys	

conn_free_cnt

Description

Type: number

conn_get_cnt

Description

Type: number

conn_smp_aged

Description

Type: number

conn_smp_alloc

Description

Type: number

conn_smp_free

Description

Type: number

curr_free_conn

Description

Type: number

free_buff_count

Description

Type: number

ip_conn_count

Description

Type: number

other_conn_count

Description

Type: number

snat_tcp_count

Description

Type: number

snat_udp_count

Description

Type: number

syn_half_open

Description

Type: number

tcp_est_count

Description

Type: number

tcp_half_open

Description

Type: number

time

Description

Type: number

udp_conn_count

Description

Type: number

2.108.9 rrd memory oper

Operational Status for the object memory

memory Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory
Element URI	/axapi/v3/rrd/memory/oper
Element Attributes	memory_attributes
Partition Visibility	None
Schema	`memory schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/memory/oper

memory attributes

Get Object

GET

/axapi/v3/rrd/memory/oper

memory attributes

Modify Object

POST

/axapi/v3/rrd/memory/oper

memory attributes

Replace Object

PUT

/axapi/v3/rrd/memory/oper

memory attributes

Delete Object

DELETE

/axapi/v3/rrd/memory/oper

memory attributes

memory attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

end-time

Description

Type: number

mem-usage

Type: List

start-time

Description

Type: number

oper_mem-usage

Specification	Value
Type	*list*
Block object keys	

mem-usage

Description

Type: string

time

Description

Type: number

2.108.10 rrd performance oper

Operational Status for the object performance

performance Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	performance
Element URI	/axapi/v3/rrd/performance/oper
Element Attributes	performance_attributes
Partition Visibility	None
Schema	`performance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/performance/oper

performance attributes

Get Object

GET

/axapi/v3/rrd/performance/oper

performance attributes

Modify Object

POST

/axapi/v3/rrd/performance/oper

performance attributes

Replace Object

PUT

/axapi/v3/rrd/performance/oper

performance attributes

Delete Object

DELETE

/axapi/v3/rrd/performance/oper

performance attributes

performance attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

end-time

Description

Type: number

performance-data

Type: List

start-time

Description

Type: number

oper_performance-data

Specification	Value
Type	*list*
Block object keys	

lsn_avail_sess

Description

Type: number

lsn_cps

Description

Type: number

lsn_tcp_port_avail

Description

Type: number

lsn_tcp_port_used

Description

Type: number

lsn_udp_port_avail

Description

Type: number

lsn_udp_port_used

Description

Type: number

lsn_used_sess

Description

Type: number

ov_cur_conns

Description

Type: number

ov_ip_cur_conns

Description

Type: number

ov_l7_req

Description

Type: number

ov_new_conn_ipnat

Description

Type: number

ov_new_conn_l4

Description

Type: number

ov_new_conn_l7

Description

Type: number

ov_new_conn_srv_ssl

Description

Type: number

ov_new_conn_ssl

Description

Type: number

ov_new_conn_tot

Description

Type: number

ov_other_cur_conns

Description

Type: number

ov_puts

Description

Type: number

ov_sctp_cur_conns

Description

Type: number

ov_tcp_cur_conns

Description

Type: number

ov_udp_cur_conns

Description

Type: number

rus_c_conns_cur

Description

Type: number

rus_c_conns_tot

Description

Type: number

rus_s_conns_act

Description

Type: number

rus_s_conns_cur

Description

Type: number

rus_s_conns_tot

Description

Type: number

syn_fail

Description

Type: number

syn_recv

Description

Type: number

time

Description

Type: number

2.108.11 rrd slb-server oper

Operational Status for the object slb-server

slb-server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb-server
Element URI	/axapi/v3/rrd/slb-server/oper
Element Attributes	slb-server_attributes
Partition Visibility	None
Schema	`slb-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/slb-server/oper

slb-server attributes

Get Object

GET

/axapi/v3/rrd/slb-server/oper

slb-server attributes

Modify Object

POST

/axapi/v3/rrd/slb-server/oper

slb-server attributes

Replace Object

PUT

/axapi/v3/rrd/slb-server/oper

slb-server attributes

Delete Object

DELETE

/axapi/v3/rrd/slb-server/oper

slb-server attributes

slb-server attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

end-time

Description

Type: number

slb-server-name

Description

Type: string

slb-server-statistics

Type: List

start-time

Description

Type: number

oper_slb-server-statistics

Specification	Value
Type	*list*
Block object keys	

cur_conn

Description

Type: number

in_bytes

Description

Type: number

in_pkts

Description

Type: number

out_bytes

Description

Type: number

out_pkts

Description

Type: number

p_conn

Description

Type: number

time

Description

Type: number

2.108.12 rrd slb-service-group oper

Operational Status for the object slb-service-group

slb-service-group Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb-service-group
Element URI	/axapi/v3/rrd/slb-service-group/oper
Element Attributes	slb-service-group_attributes
Partition Visibility	None
Schema	`slb-service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/slb-service-group/oper

slb-service-group attributes

Get Object

GET

/axapi/v3/rrd/slb-service-group/oper

slb-service-group attributes

Modify Object

POST

/axapi/v3/rrd/slb-service-group/oper

slb-service-group attributes

Replace Object

PUT

/axapi/v3/rrd/slb-service-group/oper

slb-service-group attributes

Delete Object

DELETE

/axapi/v3/rrd/slb-service-group/oper

slb-service-group attributes

slb-service-group attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

end-time

Description

Type: number

slb-server-statistics

Type: List

slb-service-group-name

Description

Type: string

start-time

Description

Type: number

oper_slb-server-statistics

Specification	Value
Type	*list*
Block object keys	

cur_conn

Description

Type: number

in_bytes

Description

Type: number

in_pkts

Description

Type: number

out_bytes

Description

Type: number

out_pkts

Description

Type: number

p_conn

Description

Type: number

time

Description

Type: number

2.108.13 rrd slb-virtual-server oper

Operational Status for the object slb-virtual-server

slb-virtual-server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb-virtual-server
Element URI	/axapi/v3/rrd/slb-virtual-server/oper
Element Attributes	slb-virtual-server_attributes
Partition Visibility	None
Schema	`slb-virtual-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rrd/slb-virtual-server/oper

slb-virtual-server attributes

Get Object

GET

/axapi/v3/rrd/slb-virtual-server/oper

slb-virtual-server attributes

Modify Object

POST

/axapi/v3/rrd/slb-virtual-server/oper

slb-virtual-server attributes

Replace Object

PUT

/axapi/v3/rrd/slb-virtual-server/oper

slb-virtual-server attributes

Delete Object

DELETE

/axapi/v3/rrd/slb-virtual-server/oper

slb-virtual-server attributes

slb-virtual-server attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

end-time

Description

Type: number

slb-server-statistics

Type: List

slb-virtual-server-name

Description

Type: string

start-time

Description

Type: number

oper_slb-server-statistics

Specification	Value
Type	*list*
Block object keys	

cur_conn

Description

Type: number

in_bytes

Description

Type: number

in_pkts

Description

Type: number

out_bytes

Description

Type: number

out_pkts

Description

Type: number

p_conn

Description

Type: number

time

Description

Type: number

2.109 rule-set

Objects:

2.109.1 rule-set

Configure Security policy Rule Set

rule-set Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*rule-set-list*
Collection URI	/axapi/v3/rule-set
Element Name	rule-set
Element URI	/axapi/v3/rule-set/{name}
Element Attributes	rule-set_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/rule-set/{name}/stats
Operational Data URI	/axapi/v3/rule-set/{name}/oper
Schema	`rule-set schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set

rule-set attributes

```
POST /axapi/v3/rule-set/
Payload:
{
    "rule-set": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/rule-set

rule-set attributes

Get Object

GET

/axapi/v3/rule-set/{name}

rule-set attributes

```
GET /axapi/v3/rule-set/a
Reponse:
{
    "rule-set": {
        "name": "a",
        "session-statistic": "enable",
        "uuid": "8b9ee988-08eb-11f0-a952-c3be1c247dd7",
        "user-tag": "a",
        "rules-by-zone": {
            "uuid": "8bb4e616-08eb-11f0-a952-c3be1c247dd7",
            "a10-url": "/axapi/v3/rule-set/a/rules-by-zone"
        },
        "application": {
            "uuid": "8bb4e742-08eb-11f0-a952-c3be1c247dd7",
            "a10-url": "/axapi/v3/rule-set/a/application"
        },
        "track-app-rule-list": {
            "uuid": "8bb4e832-08eb-11f0-a952-c3be1c247dd7",
            "a10-url": "/axapi/v3/rule-set/a/track-app-rule-list"
        },
        "a10-url": "/axapi/v3/rule-set/a"
    }
}
```

Get List

GET

/axapi/v3/rule-set

rule-set-list

Modify Object

POST

/axapi/v3/rule-set/{name}

rule-set attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}

rule-set attributes

```
PUT /axapi/v3/rule-set/a
Payload:
{
    "rule-set": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/rule-set

rule-set-list

Delete Object

DELETE

/axapi/v3/rule-set/{name}

rule-set attributes

```
DELETE /axapi/v3/rule-set/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rule-set-list

rule-set-list is **JSON List** of *rule-set attributes*

rule-set-list : [

{ *rule-set attributes* },

{ *rule-set attributes* },

...

]

rule-set attributes

app

Description: app is a **JSON Block**. Please see below for *app*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/app*

application

Description: application is a **JSON Block**. Please see below for *application*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/application*

name

Description Rule set name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-tmpl*

remark

Description Rule set entry comment (Notes for this rule set)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

rule-list

Type: List

Reference Object: */axapi/v3/rule-set/{name}/rule/{name}*

rules-by-zone

Description: rules-by-zone is a **JSON Block**. Please see below for *rules-by-zone*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rules-by-zone*

sampling-enable

Type: List

session-statistic

Description 'enable': Enable session based statistic (Default); 'disable': Disable session based statistic;

Type: string

Supported Values: enable, disable

Default: enable

tag

Description: tag is a **JSON Block**. Please see below for *tag*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/tag*

track-app-rule-list

Description: track-app-rule-list is a **JSON Block**. Please see below for *track-app-rule-list*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/track-app-rule-list*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

track-app-rule-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

application

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'unmatched-drops': Unmatched drops counter; 'permit': Permitted counter; 'deny': Denied counter; 'reset': Reset counter;

Type: string

Supported Values: all, unmatched-drops, permit, deny, reset

tag

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rule-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

action-group

Description: action-group is a **JSON Block**. Please see below for *rule-list_action-group*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rule/{name}/action-group*

app-list

Type: List

application-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: application-any,obj-grp-application, protocol, and protocol-tag are mutually exclusive

cgnv6-ds-lite

Description 'lsn-lid': Apply specified CGNv6 LSN LID;

Type: string

Supported Values: lsn-lid

cgnv6-ds-lite-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-ds-lite-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-fixed-nat-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6-log and cgnv6-policy are mutually exclusive

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-lsn-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT; 'ds-lite': Apply CGNv6 DS-Lite;

Type: string

Supported Values: lsn-lid, fixed-nat, ds-lite

Mutual Exclusion: cgnv6-policy and cgnv6-log are mutually exclusive

dest-list

Type: List

dscp-list

Type: List

dst-class-list

Description Match destination IP against class-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-class-list,dst-ipv4-any, dst-ipv6-any, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, and dst-slb-vserver are mutually exclusive

Reference Object: */axapi/v3/class-list*

dst-domain-list

Description Match destination IP against domain-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-domain-list, dst-ipv4-any, and dst-ipv6-any are mutually exclusive

Reference Object: */axapi/v3/domain-list*

dst-geoloc-list

Description Geolocation name list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-geoloc-list,dst-geoloc-name, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, and dst-slb-vserver are mutually exclusive

dst-geoloc-list-shared

Description Use Geolocation list from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-geoloc-name

Description Single geolocation name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-geoloc-name,dst-geoloc-list, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, and dst-slb-vserver are mutually exclusive

dst-ipv4-any

Description 'any': Any IPv4 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-ipv4-any,dst-ipv6-any, dst-class-list, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, dst-slb-vserver, and dst-domain-list are mutually exclusive

dst-ipv6-any

Description 'any': Any IPv6 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-ipv6-any,dst-ipv4-any, dst-class-list, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, dst-slb-vserver, and dst-domain-list are mutually exclusive

dst-threat-list

Description Bind threat-list for destination IP based filtering

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/threat-intel/threat-list*

dst-zone

Description Zone name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-zone and dst-zone-any are mutually exclusive

Reference Object: */axapi/v3/zone*

dst-zone-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-zone-any and dst-zone are mutually exclusive

forward-listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fwlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-template

Description Configure GTP Policy Template (GTP Template Policy Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp-policy*

idle-timeout

Description TCP/UDP idle-timeout

Type: number

Range: 1-2097151

inspect-payload

Description Enable DS-Lite tunnel inspection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-version

Description 'v4': IPv4 rule; 'v6': IPv6 rule;

Type: string

Supported Values: v4, v6

Default: v4

lid

Description Apply a Template LID

Type: number

Range: 1-1023

lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port and log are mutually exclusive

listen-on-port-lid

Description Apply a Template LID

Type: number

Range: 1-1023

listen-on-port-lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: log, listen-on-port, and policy are mutually exclusive

move-rule

Description: move-rule is a **JSON Block**. Please see below for *rule-list_move-rule*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rule/{name}/move-rule*

name

Description Rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl*

policy

Description 'cgnv6': Apply CGNv6 policy; 'forward': Forward packet; 'ipsec': Apply IPsec encapsulation; 'ipsec-group': Apply IPsec encapsulation from a group;

Type: string

Supported Values: cgnv6, forward, ipsec, ipsec-group

Mutual Exclusion: policy and log are mutually exclusive

remark

Description Rule entry comment (Notes for this rule)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

reset-lid

Description Apply a Template LID

Type: number

Range: 1-1023

reset-lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: service-any,protocols, proto-id, obj-grp-service, icmp, and icmpv6 are mutually exclusive

service-list

Type: List

source-list

Type: List

src-class-list

Description Match source IP against class-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-class-list,src-ipv4-any, src-ipv6-any, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

Reference Object: */axapi/v3/class-list*

src-geoloc-list

Description Geolocation name list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-geoloc-list,src-geoloc-name, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

src-geoloc-list-shared

Description Use Geolocation list from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-geoloc-name

Description Single geolocation name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: src-geoloc-name,src-geoloc-list, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

src-ipv4-any

Description 'any': Any IPv4 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-ipv4-any,src-ipv6-any, src-class-list, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

src-ipv6-any

Description 'any': Any IPv6 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-ipv6-any,src-ipv4-any, src-class-list, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

src-threat-list

Description Bind threat-list for source IP based filtering

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/threat-intel/threat-list*

src-zone

Description Zone name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: src-zone and src-zone-any are mutually exclusive

Reference Object: */axapi/v3/zone*

src-zone-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-zone-any and src-zone are mutually exclusive

status

Description 'enable': Enable rule; 'disable': Disable rule;

Type: string

Supported Values: enable, disable

Default: enable

track-application

Description Enable application statistic (functional only in action permit)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-group-name

Description VPN IPsec Group name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec-group*

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec*

rule-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-count': Hit counts; 'permit-bytes': Permitted bytes counter; 'deny-bytes': Denied bytes counter; 'reset-bytes': Reset bytes counter; 'permit-packets': Permitted packets counter; 'deny-packets': Denied packets counter; 'reset-packets': Reset packets counter; 'active-session-tcp': Active TCP session counter; 'active-session-udp': Active UDP session counter; 'active-session-icmp': Active ICMP session counter; 'active-session-other': Active other protocol session counter; 'session-tcp': TCP session counter; 'session-udp': UDP session counter; 'session-icmp': ICMP session counter; 'session-other': Other protocol session counter; 'active-session-sctp': Active SCTP session counter; 'session-sctp': SCTP session counter; 'hitcount-timestamp': Last hit counts timestamp; 'rate-limit-drops': Rate Limit Drops;

Type: string

Supported Values: all, hit-count, permit-bytes, deny-bytes, reset-bytes, permit-packets, deny-packets, reset-packets, active-session-tcp, active-session-udp, active-session-icmp, active-session-other, session-tcp, session-udp, session-icmp, session-other, active-session-sctp, session-sctp, hitcount-timestamp, rate-limit-drops, syn-cookie-syn-ack-sent, syn-cookie-verification-passed, syn-cookie-verification-failed, syn-cookie-conn-setup-failed, tcp-half-open-count

rule-list_dscp-list

Specification	Value
Type	*list*
Block object keys	

dscp-range-end

Description Ending DSCP Number

Type: number

Range: 1-63

dscp-range-start

Description Start DSCP Number

Type: number

Range: 1-63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110);

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef

Mutual Exclusion: dscp-value and dscp-range are mutually exclusive

rule-list_app-list

Specification	Value
Type	*list*
Block object keys	

obj-grp-application

Description Application object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: obj-grp-application and application-any are mutually exclusive

Reference Object: */axapi/v3/object-group/application*

protocol

Description Specify application(s)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: protocol and application-any are mutually exclusive

protocol-tag

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'application-enforcing-tls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for

Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, application-enforcing-tls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation,

web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

Mutual Exclusion: protocol-tag and application-any are mutually exclusive

rule-list_action-group

Specification	Value
Type	*object*

cgnv6

Description Apply CGNv6 policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6,listen-on-port, forward, ipsec, and ipsec-group are mutually exclusive

cgnv6-ds-lite

Description 'lsn-lid': Apply specified CGNv6 LSN LID;

Type: string

Supported Values: lsn-lid

cgnv6-ds-lite-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT; 'ds-lite': Apply CGNv6 DS-Lite;

Type: string

Supported Values: lsn-lid, fixed-nat, ds-lite

deny-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

deny-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deny-log-template-type

Description 'fw-logging-template': Logging with specified fw template;

Type: string

Supported Values: fw-logging-template

deny-reset-limit-policy

Description Limit policy Template (only works for inbound rule)

Type: number

Range: 1-1023

Mutual Exclusion: deny-reset-limit-policy and ipsec are mutually exclusive

Reference Object: */axapi/v3/template/limit-policy*

dscp-number

Description DSCP Number

Type: number

Range: 0-63

Mutual Exclusion: dscp-number and dscp-value are mutually exclusive

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110);

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef

Mutual Exclusion: dscp-value and dscp-number are mutually exclusive

forward

Description Forward packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward,ipsec, ipsec-group, and cgnv6 are mutually exclusive

inspect-payload

Description Enable DS-Lite tunnel inspection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec

Description Apply IPsec encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsec,permit-log, listen-on-port, forward, ipsec-group, cgnv6, permit-limit-policy, deny-reset-limit-policy, and permit-respond-to-user-mac are mutually exclusive

ipsec-group

Description Apply IPsec Group encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsec-group,permit-log, listen-on-port, forward, ipsec, and cgnv6 are mutually exclusive

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port,ipsec, ipsec-group, and cgnv6 are mutually exclusive

logging-template-list

Type: List

on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

permit-limit-policy

Description Limit policy Template

Type: number

Range: 1-1023

Mutual Exclusion: permit-limit-policy and ipsec are mutually exclusive

Reference Object: */axapi/v3/template/limit-policy*

permit-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-log, ipsec, and ipsec-group are mutually exclusive

permit-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-respond-to-user-mac and ipsec are mutually exclusive

reset-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

reset-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-log-template-type

Description 'fw-logging-template': Logging with specified fw template;

Type: string

Supported Values: fw-logging-template

reset-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-dscp

Description DSCP setting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-urpf-check

Description Skip Unicast Reverse Path Forwarding check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Configure Firewall rule Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-enable

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

tcp

Description Firewall rule TCP parameters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-val

Description Decimal number

Type: number

Range: 1-1000000

type

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-group-name

Description VPN IPsec Group name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec-group*

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec*

rule-list_action-group_logging-template-list

Specification	Value
Type	*list*
Block object keys	

permit-cgnv6-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/cgnv6/template/logging*

permit-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

permit-log-template-type

Description 'fw-logging-template': Logging with specified fw template; 'cgnv6-logging-template': Logging with specified cgnv6 template; 'netflow-monitor': Logging with specified netflow/ipfix monitor;

Type: string

Supported Values: fw-logging-template, cgnv6-logging-template, netflow-monitor

permit-netflow-log

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/netflow/monitor*

rule-list_dest-list

Specification	Value
Type	*list*
Block object keys	

dst-ip-subnet

Description IPv4 IP Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: dst-ip-subnet,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, dst-class-list, and dst-ipv6-subnet are mutually exclusive

dst-ipv6-subnet

Description IPv6 IP Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: dst-ipv6-subnet,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, dst-class-list, and dst-ip-subnet are mutually exclusive

dst-obj-grp-network

Description Network object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-obj-grp-network,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, and dst-class-list are mutually exclusive

Reference Object: */axapi/v3/object-group/network*

dst-obj-network

Description Network object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-obj-network,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, and dst-class-list are mutually exclusive

Reference Object: */axapi/v3/object/network*

dst-slb-server

Description SLB Real server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-slb-server,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, and dst-class-list are mutually exclusive

Reference Object: */axapi/v3/slb/server*

dst-slb-vserver

Description SLB Virtual server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-slb-vserver,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, and dst-class-list are mutually exclusive

Reference Object: */axapi/v3/slb/virtual-server*

rule-list_move-rule

Specification	Value
Type	*object*

location

Description 'top': top; 'before': before; 'after': after; 'bottom': bottom;

Type: string

Supported Values: top, before, after, bottom

Default: bottom

target-rule

Description

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-list_source-list

Specification	Value
Type	*list*
Block object keys	

src-ip-subnet

Description IPv4 IP Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: src-ip-subnet,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, src-class-list, and src-ipv6-subnet are mutually exclusive

src-ipv6-subnet

Description IPv6 IP Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-ipv6-subnet,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, src-class-list, and src-ip-subnet are mutually exclusive

src-obj-grp-network

Description Network object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-obj-grp-network,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, and src-class-list are mutually exclusive

Reference Object: */axapi/v3/object-group/network*

src-obj-network

Description Network object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-obj-network,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, and src-class-list are mutually exclusive

Reference Object: */axapi/v3/object/network*

src-slb-server

Description SLB Real server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: src-slb-server,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, and src-class-list are mutually exclusive

Reference Object: */axapi/v3/slb/server*

rule-list_service-list

Specification	Value
Type	*list*
Block object keys	

alg

Description 'FTP': FTP; 'TFTP': TFTP; 'SIP': SIP; 'DNS': DNS; 'PPTP': PPTP; 'RTSP': RTSP; 'ESP': ESP;

Type: string

Supported Values: FTP, TFTP, SIP, DNS, PPTP, RTSP, ESP

eq-dst-port

Description Equal to the port number

Type: number

Range: 1-65535

eq-src-port

Description Equal to the port number

Type: number

Range: 1-65535

gt-dst-port

Description Greater than the port number

Type: number

Range: 1-65534

gt-src-port

Description Greater than the port number

Type: number

Range: 1-65534

icmp

Description ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmp, service-any, and icmpv6 are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type and special-type are mutually exclusive

icmpv6

Description ICMPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmpv6, service-any, and icmp are mutually exclusive

icmpv6-code

Description ICMPv6 code number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-code and special-v6-code are mutually exclusive

icmpv6-type

Description ICMPv6 type number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-type and special-v6-type are mutually exclusive

lt-dst-port

Description Lower than the port number

Type: number

Range: 2-65535

lt-src-port

Description Lower than the port number

Type: number

Range: 2-65535

obj-grp-service

Description service object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: obj-grp-service and service-any are mutually exclusive

Reference Object: */axapi/v3/object-group/service*

port-num-end-dst

Description Ending Port Number

Type: number

Range: 1-65535

port-num-end-src

Description Ending Port Number

Type: number

Range: 1-65535

proto-id

Description Protocol ID

Type: number

Range: 0-255

Mutual Exclusion: proto-id and service-any are mutually exclusive

protocols

Description 'tcp': tcp; 'udp': udp; 'sctp': sctp;

Type: string

Supported Values: tcp, udp, sctp

Mutual Exclusion: protocols and service-any are mutually exclusive

range-dst-port

Description Port range (Starting Port Number)

Type: number

Range: 1-65535

range-src-port

Description Port range (Starting Port Number)

Type: number

Range: 1-65535

sctp-template

Description SCTP Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/sctp*

special-code

Description 'any-code': Any ICMP code; 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: any-code, frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code and icmp-code are mutually exclusive

special-type

Description 'any-type': Any ICMP type; 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5,

redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: any-type, echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type and icmp-type are mutually exclusive

special-v6-code

Description 'any-code': Any ICMPv6 code; 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: any-code, addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-v6-code and icmpv6-code are mutually exclusive

special-v6-type

Description 'any-type': Any ICMPv6 type; 'dest-unreachable': Type 1, destination unreachable; 'echo-reply': Type 129, echo reply; 'echo-request': Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded;

Type: string

Supported Values: any-type, dest-unreachable, echo-reply, echo-request, packet-too-big, param-prob, time-exceeded

Mutual Exclusion: special-v6-type and icmpv6-type are mutually exclusive

rules-by-zone

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rules-by-zone_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dummy': Entry for a10countergen;

Type: string

Supported Values: all, dummy

2.109.2 rule-set app

Application statistics in Rule Set

app Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	app
Element URI	/axapi/v3/rule-set/{name}/app
Element Attributes	app_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/rule-set/{name}/app/stats
Schema	`app schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/app

app attributes

Get Object

GET

/axapi/v3/rule-set/{name}/app

app attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/app

app attributes

app attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.109.3 rule-set app stats

Statistics for the object app

app Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	app
Element URI	/axapi/v3/rule-set/{name}/app/stats
Element Attributes	app_attributes
Partition Visibility	None
Schema	`app schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/app/stats

app attributes

Get Object

GET

/axapi/v3/rule-set/{name}/app/stats

app attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/app/stats

app attributes

app attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

appstat1

Description counter app stat 1

Type: number

Format: counter

appstat10

Description counter app stat 10

Type: number

Format: counter

appstat100

Description counter app stat 100

Type: number

Format: counter

appstat101

Description counter app stat 101

Type: number

Format: counter

appstat102

Description counter app stat 102

Type: number

Format: counter

appstat103

Description counter app stat 103

Type: number

Format: counter

appstat104

Description counter app stat 104

Type: number

Format: counter

appstat105

Description counter app stat 105

Type: number

Format: counter

appstat106

Description counter app stat 106

Type: number

Format: counter

appstat107

Description counter app stat 107

Type: number

Format: counter

appstat108

Description counter app stat 108

Type: number

Format: counter

appstat109

Description counter app stat 109

Type: number

Format: counter

appstat11

Description counter app stat 11

Type: number

Format: counter

appstat110

Description counter app stat 110

Type: number

Format: counter

appstat111

Description counter app stat 111

Type: number

Format: counter

appstat112

Description counter app stat 112

Type: number

Format: counter

appstat113

Description counter app stat 113

Type: number

Format: counter

appstat114

Description counter app stat 114

Type: number

Format: counter

appstat115

Description counter app stat 115

Type: number

Format: counter

appstat116

Description counter app stat 116

Type: number

Format: counter

appstat117

Description counter app stat 117

Type: number

Format: counter

appstat118

Description counter app stat 118

Type: number

Format: counter

appstat119

Description counter app stat 119

Type: number

Format: counter

appstat12

Description counter app stat 12

Type: number

Format: counter

appstat120

Description counter app stat 120

Type: number

Format: counter

appstat121

Description counter app stat 121

Type: number

Format: counter

appstat122

Description counter app stat 122

Type: number

Format: counter

appstat123

Description counter app stat 123

Type: number

Format: counter

appstat124

Description counter app stat 124

Type: number

Format: counter

appstat125

Description counter app stat 125

Type: number

Format: counter

appstat126

Description counter app stat 126

Type: number

Format: counter

appstat127

Description counter app stat 127

Type: number

Format: counter

appstat128

Description counter app stat 128

Type: number

Format: counter

appstat129

Description counter app stat 129

Type: number

Format: counter

appstat13

Description counter app stat 13

Type: number

Format: counter

appstat130

Description counter app stat 130

Type: number

Format: counter

appstat131

Description counter app stat 131

Type: number

Format: counter

appstat132

Description counter app stat 132

Type: number

Format: counter

appstat133

Description counter app stat 133

Type: number

Format: counter

appstat134

Description counter app stat 134

Type: number

Format: counter

appstat135

Description counter app stat 135

Type: number

Format: counter

appstat136

Description counter app stat 136

Type: number

Format: counter

appstat137

Description counter app stat 137

Type: number

Format: counter

appstat138

Description counter app stat 138

Type: number

Format: counter

appstat139

Description counter app stat 139

Type: number

Format: counter

appstat14

Description counter app stat 14

Type: number

Format: counter

appstat140

Description counter app stat 140

Type: number

Format: counter

appstat141

Description counter app stat 141

Type: number

Format: counter

appstat142

Description counter app stat 142

Type: number

Format: counter

appstat143

Description counter app stat 143

Type: number

Format: counter

appstat144

Description counter app stat 144

Type: number

Format: counter

appstat145

Description counter app stat 145

Type: number

Format: counter

appstat146

Description counter app stat 146

Type: number

Format: counter

appstat147

Description counter app stat 147

Type: number

Format: counter

appstat148

Description counter app stat 148

Type: number

Format: counter

appstat149

Description counter app stat 149

Type: number

Format: counter

appstat15

Description counter app stat 15

Type: number

Format: counter

appstat150

Description counter app stat 150

Type: number

Format: counter

appstat151

Description counter app stat 151

Type: number

Format: counter

appstat152

Description counter app stat 152

Type: number

Format: counter

appstat153

Description counter app stat 153

Type: number

Format: counter

appstat154

Description counter app stat 154

Type: number

Format: counter

appstat155

Description counter app stat 155

Type: number

Format: counter

appstat156

Description counter app stat 156

Type: number

Format: counter

appstat157

Description counter app stat 157

Type: number

Format: counter

appstat158

Description counter app stat 158

Type: number

Format: counter

appstat159

Description counter app stat 159

Type: number

Format: counter

appstat16

Description counter app stat 16

Type: number

Format: counter

appstat160

Description counter app stat 160

Type: number

Format: counter

appstat161

Description counter app stat 161

Type: number

Format: counter

appstat162

Description counter app stat 162

Type: number

Format: counter

appstat163

Description counter app stat 163

Type: number

Format: counter

appstat164

Description counter app stat 164

Type: number

Format: counter

appstat165

Description counter app stat 165

Type: number

Format: counter

appstat166

Description counter app stat 166

Type: number

Format: counter

appstat167

Description counter app stat 167

Type: number

Format: counter

appstat168

Description counter app stat 168

Type: number

Format: counter

appstat169

Description counter app stat 169

Type: number

Format: counter

appstat17

Description counter app stat 17

Type: number

Format: counter

appstat170

Description counter app stat 170

Type: number

Format: counter

appstat171

Description counter app stat 171

Type: number

Format: counter

appstat172

Description counter app stat 172

Type: number

Format: counter

appstat173

Description counter app stat 173

Type: number

Format: counter

appstat174

Description counter app stat 174

Type: number

Format: counter

appstat175

Description counter app stat 175

Type: number

Format: counter

appstat176

Description counter app stat 176

Type: number

Format: counter

appstat177

Description counter app stat 177

Type: number

Format: counter

appstat178

Description counter app stat 178

Type: number

Format: counter

appstat179

Description counter app stat 179

Type: number

Format: counter

appstat18

Description counter app stat 18

Type: number

Format: counter

appstat180

Description counter app stat 180

Type: number

Format: counter

appstat181

Description counter app stat 181

Type: number

Format: counter

appstat182

Description counter app stat 182

Type: number

Format: counter

appstat183

Description counter app stat 183

Type: number

Format: counter

appstat184

Description counter app stat 184

Type: number

Format: counter

appstat185

Description counter app stat 185

Type: number

Format: counter

appstat186

Description counter app stat 186

Type: number

Format: counter

appstat187

Description counter app stat 187

Type: number

Format: counter

appstat188

Description counter app stat 188

Type: number

Format: counter

appstat189

Description counter app stat 189

Type: number

Format: counter

appstat19

Description counter app stat 19

Type: number

Format: counter

appstat190

Description counter app stat 190

Type: number

Format: counter

appstat191

Description counter app stat 191

Type: number

Format: counter

appstat192

Description counter app stat 192

Type: number

Format: counter

appstat193

Description counter app stat 193

Type: number

Format: counter

appstat194

Description counter app stat 194

Type: number

Format: counter

appstat195

Description counter app stat 195

Type: number

Format: counter

appstat196

Description counter app stat 196

Type: number

Format: counter

appstat197

Description counter app stat 197

Type: number

Format: counter

appstat198

Description counter app stat 198

Type: number

Format: counter

appstat199

Description counter app stat 199

Type: number

Format: counter

appstat2

Description counter app stat 2

Type: number

Format: counter

appstat20

Description counter app stat 20

Type: number

Format: counter

appstat200

Description counter app stat 200

Type: number

Format: counter

appstat201

Description counter app stat 201

Type: number

Format: counter

appstat202

Description counter app stat 202

Type: number

Format: counter

appstat203

Description counter app stat 203

Type: number

Format: counter

appstat204

Description counter app stat 204

Type: number

Format: counter

appstat205

Description counter app stat 205

Type: number

Format: counter

appstat206

Description counter app stat 206

Type: number

Format: counter

appstat207

Description counter app stat 207

Type: number

Format: counter

appstat208

Description counter app stat 208

Type: number

Format: counter

appstat209

Description counter app stat 209

Type: number

Format: counter

appstat21

Description counter app stat 21

Type: number

Format: counter

appstat210

Description counter app stat 210

Type: number

Format: counter

appstat211

Description counter app stat 211

Type: number

Format: counter

appstat212

Description counter app stat 212

Type: number

Format: counter

appstat213

Description counter app stat 213

Type: number

Format: counter

appstat214

Description counter app stat 214

Type: number

Format: counter

appstat215

Description counter app stat 215

Type: number

Format: counter

appstat216

Description counter app stat 216

Type: number

Format: counter

appstat217

Description counter app stat 217

Type: number

Format: counter

appstat218

Description counter app stat 218

Type: number

Format: counter

appstat219

Description counter app stat 219

Type: number

Format: counter

appstat22

Description counter app stat 22

Type: number

Format: counter

appstat220

Description counter app stat 220

Type: number

Format: counter

appstat221

Description counter app stat 221

Type: number

Format: counter

appstat222

Description counter app stat 222

Type: number

Format: counter

appstat223

Description counter app stat 223

Type: number

Format: counter

appstat224

Description counter app stat 224

Type: number

Format: counter

appstat225

Description counter app stat 225

Type: number

Format: counter

appstat226

Description counter app stat 226

Type: number

Format: counter

appstat227

Description counter app stat 227

Type: number

Format: counter

appstat228

Description counter app stat 228

Type: number

Format: counter

appstat229

Description counter app stat 229

Type: number

Format: counter

appstat23

Description counter app stat 23

Type: number

Format: counter

appstat230

Description counter app stat 230

Type: number

Format: counter

appstat231

Description counter app stat 231

Type: number

Format: counter

appstat232

Description counter app stat 232

Type: number

Format: counter

appstat233

Description counter app stat 233

Type: number

Format: counter

appstat234

Description counter app stat 234

Type: number

Format: counter

appstat235

Description counter app stat 235

Type: number

Format: counter

appstat236

Description counter app stat 236

Type: number

Format: counter

appstat237

Description counter app stat 237

Type: number

Format: counter

appstat238

Description counter app stat 238

Type: number

Format: counter

appstat239

Description counter app stat 239

Type: number

Format: counter

appstat24

Description counter app stat 24

Type: number

Format: counter

appstat240

Description counter app stat 240

Type: number

Format: counter

appstat241

Description counter app stat 241

Type: number

Format: counter

appstat242

Description counter app stat 242

Type: number

Format: counter

appstat243

Description counter app stat 243

Type: number

Format: counter

appstat244

Description counter app stat 244

Type: number

Format: counter

appstat245

Description counter app stat 245

Type: number

Format: counter

appstat246

Description counter app stat 246

Type: number

Format: counter

appstat247

Description counter app stat 247

Type: number

Format: counter

appstat248

Description counter app stat 248

Type: number

Format: counter

appstat249

Description counter app stat 249

Type: number

Format: counter

appstat25

Description counter app stat 25

Type: number

Format: counter

appstat250

Description counter app stat 250

Type: number

Format: counter

appstat251

Description counter app stat 251

Type: number

Format: counter

appstat252

Description counter app stat 252

Type: number

Format: counter

appstat253

Description counter app stat 253

Type: number

Format: counter

appstat254

Description counter app stat 254

Type: number

Format: counter

appstat255

Description counter app stat 255

Type: number

Format: counter

appstat256

Description counter app stat 256

Type: number

Format: counter

appstat257

Description counter app stat 257

Type: number

Format: counter

appstat258

Description counter app stat 258

Type: number

Format: counter

appstat259

Description counter app stat 259

Type: number

Format: counter

appstat26

Description counter app stat 26

Type: number

Format: counter

appstat260

Description counter app stat 260

Type: number

Format: counter

appstat261

Description counter app stat 261

Type: number

Format: counter

appstat262

Description counter app stat 262

Type: number

Format: counter

appstat263

Description counter app stat 263

Type: number

Format: counter

appstat264

Description counter app stat 264

Type: number

Format: counter

appstat265

Description counter app stat 265

Type: number

Format: counter

appstat266

Description counter app stat 266

Type: number

Format: counter

appstat267

Description counter app stat 267

Type: number

Format: counter

appstat268

Description counter app stat 268

Type: number

Format: counter

appstat269

Description counter app stat 269

Type: number

Format: counter

appstat27

Description counter app stat 27

Type: number

Format: counter

appstat270

Description counter app stat 270

Type: number

Format: counter

appstat271

Description counter app stat 271

Type: number

Format: counter

appstat272

Description counter app stat 272

Type: number

Format: counter

appstat273

Description counter app stat 273

Type: number

Format: counter

appstat274

Description counter app stat 274

Type: number

Format: counter

appstat275

Description counter app stat 275

Type: number

Format: counter

appstat276

Description counter app stat 276

Type: number

Format: counter

appstat277

Description counter app stat 277

Type: number

Format: counter

appstat278

Description counter app stat 278

Type: number

Format: counter

appstat279

Description counter app stat 279

Type: number

Format: counter

appstat28

Description counter app stat 28

Type: number

Format: counter

appstat280

Description counter app stat 280

Type: number

Format: counter

appstat281

Description counter app stat 281

Type: number

Format: counter

appstat282

Description counter app stat 282

Type: number

Format: counter

appstat283

Description counter app stat 283

Type: number

Format: counter

appstat284

Description counter app stat 284

Type: number

Format: counter

appstat285

Description counter app stat 285

Type: number

Format: counter

appstat286

Description counter app stat 286

Type: number

Format: counter

appstat287

Description counter app stat 287

Type: number

Format: counter

appstat288

Description counter app stat 288

Type: number

Format: counter

appstat289

Description counter app stat 289

Type: number

Format: counter

appstat29

Description counter app stat 29

Type: number

Format: counter

appstat290

Description counter app stat 290

Type: number

Format: counter

appstat291

Description counter app stat 291

Type: number

Format: counter

appstat292

Description counter app stat 292

Type: number

Format: counter

appstat293

Description counter app stat 293

Type: number

Format: counter

appstat294

Description counter app stat 294

Type: number

Format: counter

appstat295

Description counter app stat 295

Type: number

Format: counter

appstat296

Description counter app stat 296

Type: number

Format: counter

appstat297

Description counter app stat 297

Type: number

Format: counter

appstat298

Description counter app stat 298

Type: number

Format: counter

appstat299

Description counter app stat 299

Type: number

Format: counter

appstat3

Description counter app stat 3

Type: number

Format: counter

appstat30

Description counter app stat 30

Type: number

Format: counter

appstat300

Description counter app stat 300

Type: number

Format: counter

appstat301

Description counter app stat 301

Type: number

Format: counter

appstat302

Description counter app stat 302

Type: number

Format: counter

appstat303

Description counter app stat 303

Type: number

Format: counter

appstat304

Description counter app stat 304

Type: number

Format: counter

appstat305

Description counter app stat 305

Type: number

Format: counter

appstat306

Description counter app stat 306

Type: number

Format: counter

appstat307

Description counter app stat 307

Type: number

Format: counter

appstat308

Description counter app stat 308

Type: number

Format: counter

appstat309

Description counter app stat 309

Type: number

Format: counter

appstat31

Description counter app stat 31

Type: number

Format: counter

appstat310

Description counter app stat 310

Type: number

Format: counter

appstat311

Description counter app stat 311

Type: number

Format: counter

appstat312

Description counter app stat 312

Type: number

Format: counter

appstat313

Description counter app stat 313

Type: number

Format: counter

appstat314

Description counter app stat 314

Type: number

Format: counter

appstat315

Description counter app stat 315

Type: number

Format: counter

appstat316

Description counter app stat 316

Type: number

Format: counter

appstat317

Description counter app stat 317

Type: number

Format: counter

appstat318

Description counter app stat 318

Type: number

Format: counter

appstat319

Description counter app stat 319

Type: number

Format: counter

appstat32

Description counter app stat 32

Type: number

Format: counter

appstat320

Description counter app stat 320

Type: number

Format: counter

appstat321

Description counter app stat 321

Type: number

Format: counter

appstat322

Description counter app stat 322

Type: number

Format: counter

appstat323

Description counter app stat 323

Type: number

Format: counter

appstat324

Description counter app stat 324

Type: number

Format: counter

appstat325

Description counter app stat 325

Type: number

Format: counter

appstat326

Description counter app stat 326

Type: number

Format: counter

appstat327

Description counter app stat 327

Type: number

Format: counter

appstat328

Description counter app stat 328

Type: number

Format: counter

appstat329

Description counter app stat 329

Type: number

Format: counter

appstat33

Description counter app stat 33

Type: number

Format: counter

appstat330

Description counter app stat 330

Type: number

Format: counter

appstat331

Description counter app stat 331

Type: number

Format: counter

appstat332

Description counter app stat 332

Type: number

Format: counter

appstat333

Description counter app stat 333

Type: number

Format: counter

appstat334

Description counter app stat 334

Type: number

Format: counter

appstat335

Description counter app stat 335

Type: number

Format: counter

appstat336

Description counter app stat 336

Type: number

Format: counter

appstat337

Description counter app stat 337

Type: number

Format: counter

appstat338

Description counter app stat 338

Type: number

Format: counter

appstat339

Description counter app stat 339

Type: number

Format: counter

appstat34

Description counter app stat 34

Type: number

Format: counter

appstat340

Description counter app stat 340

Type: number

Format: counter

appstat341

Description counter app stat 341

Type: number

Format: counter

appstat342

Description counter app stat 342

Type: number

Format: counter

appstat343

Description counter app stat 343

Type: number

Format: counter

appstat344

Description counter app stat 344

Type: number

Format: counter

appstat345

Description counter app stat 345

Type: number

Format: counter

appstat346

Description counter app stat 346

Type: number

Format: counter

appstat347

Description counter app stat 347

Type: number

Format: counter

appstat348

Description counter app stat 348

Type: number

Format: counter

appstat349

Description counter app stat 349

Type: number

Format: counter

appstat35

Description counter app stat 35

Type: number

Format: counter

appstat350

Description counter app stat 350

Type: number

Format: counter

appstat351

Description counter app stat 351

Type: number

Format: counter

appstat352

Description counter app stat 352

Type: number

Format: counter

appstat353

Description counter app stat 353

Type: number

Format: counter

appstat354

Description counter app stat 354

Type: number

Format: counter

appstat355

Description counter app stat 355

Type: number

Format: counter

appstat356

Description counter app stat 356

Type: number

Format: counter

appstat357

Description counter app stat 357

Type: number

Format: counter

appstat358

Description counter app stat 358

Type: number

Format: counter

appstat359

Description counter app stat 359

Type: number

Format: counter

appstat36

Description counter app stat 36

Type: number

Format: counter

appstat360

Description counter app stat 360

Type: number

Format: counter

appstat361

Description counter app stat 361

Type: number

Format: counter

appstat362

Description counter app stat 362

Type: number

Format: counter

appstat363

Description counter app stat 363

Type: number

Format: counter

appstat364

Description counter app stat 364

Type: number

Format: counter

appstat365

Description counter app stat 365

Type: number

Format: counter

appstat366

Description counter app stat 366

Type: number

Format: counter

appstat367

Description counter app stat 367

Type: number

Format: counter

appstat368

Description counter app stat 368

Type: number

Format: counter

appstat369

Description counter app stat 369

Type: number

Format: counter

appstat37

Description counter app stat 37

Type: number

Format: counter

appstat370

Description counter app stat 370

Type: number

Format: counter

appstat371

Description counter app stat 371

Type: number

Format: counter

appstat372

Description counter app stat 372

Type: number

Format: counter

appstat373

Description counter app stat 373

Type: number

Format: counter

appstat374

Description counter app stat 374

Type: number

Format: counter

appstat375

Description counter app stat 375

Type: number

Format: counter

appstat376

Description counter app stat 376

Type: number

Format: counter

appstat377

Description counter app stat 377

Type: number

Format: counter

appstat378

Description counter app stat 378

Type: number

Format: counter

appstat379

Description counter app stat 379

Type: number

Format: counter

appstat38

Description counter app stat 38

Type: number

Format: counter

appstat380

Description counter app stat 380

Type: number

Format: counter

appstat381

Description counter app stat 381

Type: number

Format: counter

appstat382

Description counter app stat 382

Type: number

Format: counter

appstat383

Description counter app stat 383

Type: number

Format: counter

appstat384

Description counter app stat 384

Type: number

Format: counter

appstat385

Description counter app stat 385

Type: number

Format: counter

appstat386

Description counter app stat 386

Type: number

Format: counter

appstat387

Description counter app stat 387

Type: number

Format: counter

appstat388

Description counter app stat 388

Type: number

Format: counter

appstat389

Description counter app stat 389

Type: number

Format: counter

appstat39

Description counter app stat 39

Type: number

Format: counter

appstat390

Description counter app stat 390

Type: number

Format: counter

appstat391

Description counter app stat 391

Type: number

Format: counter

appstat392

Description counter app stat 392

Type: number

Format: counter

appstat393

Description counter app stat 393

Type: number

Format: counter

appstat394

Description counter app stat 394

Type: number

Format: counter

appstat395

Description counter app stat 395

Type: number

Format: counter

appstat396

Description counter app stat 396

Type: number

Format: counter

appstat397

Description counter app stat 397

Type: number

Format: counter

appstat398

Description counter app stat 398

Type: number

Format: counter

appstat399

Description counter app stat 399

Type: number

Format: counter

appstat4

Description counter app stat 4

Type: number

Format: counter

appstat40

Description counter app stat 40

Type: number

Format: counter

appstat400

Description counter app stat 400

Type: number

Format: counter

appstat401

Description counter app stat 401

Type: number

Format: counter

appstat402

Description counter app stat 402

Type: number

Format: counter

appstat403

Description counter app stat 403

Type: number

Format: counter

appstat404

Description counter app stat 404

Type: number

Format: counter

appstat405

Description counter app stat 405

Type: number

Format: counter

appstat406

Description counter app stat 406

Type: number

Format: counter

appstat407

Description counter app stat 407

Type: number

Format: counter

appstat408

Description counter app stat 408

Type: number

Format: counter

appstat409

Description counter app stat 409

Type: number

Format: counter

appstat41

Description counter app stat 41

Type: number

Format: counter

appstat410

Description counter app stat 410

Type: number

Format: counter

appstat411

Description counter app stat 411

Type: number

Format: counter

appstat412

Description counter app stat 412

Type: number

Format: counter

appstat413

Description counter app stat 413

Type: number

Format: counter

appstat414

Description counter app stat 414

Type: number

Format: counter

appstat415

Description counter app stat 415

Type: number

Format: counter

appstat416

Description counter app stat 416

Type: number

Format: counter

appstat417

Description counter app stat 417

Type: number

Format: counter

appstat418

Description counter app stat 418

Type: number

Format: counter

appstat419

Description counter app stat 419

Type: number

Format: counter

appstat42

Description counter app stat 42

Type: number

Format: counter

appstat420

Description counter app stat 420

Type: number

Format: counter

appstat421

Description counter app stat 421

Type: number

Format: counter

appstat422

Description counter app stat 422

Type: number

Format: counter

appstat423

Description counter app stat 423

Type: number

Format: counter

appstat424

Description counter app stat 424

Type: number

Format: counter

appstat425

Description counter app stat 425

Type: number

Format: counter

appstat426

Description counter app stat 426

Type: number

Format: counter

appstat427

Description counter app stat 427

Type: number

Format: counter

appstat428

Description counter app stat 428

Type: number

Format: counter

appstat429

Description counter app stat 429

Type: number

Format: counter

appstat43

Description counter app stat 43

Type: number

Format: counter

appstat430

Description counter app stat 430

Type: number

Format: counter

appstat431

Description counter app stat 431

Type: number

Format: counter

appstat432

Description counter app stat 432

Type: number

Format: counter

appstat433

Description counter app stat 433

Type: number

Format: counter

appstat434

Description counter app stat 434

Type: number

Format: counter

appstat435

Description counter app stat 435

Type: number

Format: counter

appstat436

Description counter app stat 436

Type: number

Format: counter

appstat437

Description counter app stat 437

Type: number

Format: counter

appstat438

Description counter app stat 438

Type: number

Format: counter

appstat439

Description counter app stat 439

Type: number

Format: counter

appstat44

Description counter app stat 44

Type: number

Format: counter

appstat440

Description counter app stat 440

Type: number

Format: counter

appstat441

Description counter app stat 441

Type: number

Format: counter

appstat442

Description counter app stat 442

Type: number

Format: counter

appstat443

Description counter app stat 443

Type: number

Format: counter

appstat444

Description counter app stat 444

Type: number

Format: counter

appstat445

Description counter app stat 445

Type: number

Format: counter

appstat446

Description counter app stat 446

Type: number

Format: counter

appstat447

Description counter app stat 447

Type: number

Format: counter

appstat448

Description counter app stat 448

Type: number

Format: counter

appstat449

Description counter app stat 449

Type: number

Format: counter

appstat45

Description counter app stat 45

Type: number

Format: counter

appstat450

Description counter app stat 450

Type: number

Format: counter

appstat451

Description counter app stat 451

Type: number

Format: counter

appstat452

Description counter app stat 452

Type: number

Format: counter

appstat453

Description counter app stat 453

Type: number

Format: counter

appstat454

Description counter app stat 454

Type: number

Format: counter

appstat455

Description counter app stat 455

Type: number

Format: counter

appstat456

Description counter app stat 456

Type: number

Format: counter

appstat457

Description counter app stat 457

Type: number

Format: counter

appstat458

Description counter app stat 458

Type: number

Format: counter

appstat459

Description counter app stat 459

Type: number

Format: counter

appstat46

Description counter app stat 46

Type: number

Format: counter

appstat460

Description counter app stat 460

Type: number

Format: counter

appstat461

Description counter app stat 461

Type: number

Format: counter

appstat462

Description counter app stat 462

Type: number

Format: counter

appstat463

Description counter app stat 463

Type: number

Format: counter

appstat464

Description counter app stat 464

Type: number

Format: counter

appstat465

Description counter app stat 465

Type: number

Format: counter

appstat466

Description counter app stat 466

Type: number

Format: counter

appstat467

Description counter app stat 467

Type: number

Format: counter

appstat468

Description counter app stat 468

Type: number

Format: counter

appstat469

Description counter app stat 469

Type: number

Format: counter

appstat47

Description counter app stat 47

Type: number

Format: counter

appstat470

Description counter app stat 470

Type: number

Format: counter

appstat471

Description counter app stat 471

Type: number

Format: counter

appstat472

Description counter app stat 472

Type: number

Format: counter

appstat473

Description counter app stat 473

Type: number

Format: counter

appstat474

Description counter app stat 474

Type: number

Format: counter

appstat475

Description counter app stat 475

Type: number

Format: counter

appstat476

Description counter app stat 476

Type: number

Format: counter

appstat477

Description counter app stat 477

Type: number

Format: counter

appstat478

Description counter app stat 478

Type: number

Format: counter

appstat479

Description counter app stat 479

Type: number

Format: counter

appstat48

Description counter app stat 48

Type: number

Format: counter

appstat480

Description counter app stat 480

Type: number

Format: counter

appstat481

Description counter app stat 481

Type: number

Format: counter

appstat482

Description counter app stat 482

Type: number

Format: counter

appstat483

Description counter app stat 483

Type: number

Format: counter

appstat484

Description counter app stat 484

Type: number

Format: counter

appstat485

Description counter app stat 485

Type: number

Format: counter

appstat486

Description counter app stat 486

Type: number

Format: counter

appstat487

Description counter app stat 487

Type: number

Format: counter

appstat488

Description counter app stat 488

Type: number

Format: counter

appstat489

Description counter app stat 489

Type: number

Format: counter

appstat49

Description counter app stat 49

Type: number

Format: counter

appstat490

Description counter app stat 490

Type: number

Format: counter

appstat491

Description counter app stat 491

Type: number

Format: counter

appstat492

Description counter app stat 492

Type: number

Format: counter

appstat493

Description counter app stat 493

Type: number

Format: counter

appstat494

Description counter app stat 494

Type: number

Format: counter

appstat495

Description counter app stat 495

Type: number

Format: counter

appstat496

Description counter app stat 496

Type: number

Format: counter

appstat497

Description counter app stat 497

Type: number

Format: counter

appstat498

Description counter app stat 498

Type: number

Format: counter

appstat499

Description counter app stat 499

Type: number

Format: counter

appstat5

Description counter app stat 5

Type: number

Format: counter

appstat50

Description counter app stat 50

Type: number

Format: counter

appstat500

Description counter app stat 500

Type: number

Format: counter

appstat501

Description counter app stat 501

Type: number

Format: counter

appstat502

Description counter app stat 502

Type: number

Format: counter

appstat503

Description counter app stat 503

Type: number

Format: counter

appstat504

Description counter app stat 504

Type: number

Format: counter

appstat505

Description counter app stat 505

Type: number

Format: counter

appstat506

Description counter app stat 506

Type: number

Format: counter

appstat507

Description counter app stat 507

Type: number

Format: counter

appstat508

Description counter app stat 508

Type: number

Format: counter

appstat509

Description counter app stat 509

Type: number

Format: counter

appstat51

Description counter app stat 51

Type: number

Format: counter

appstat510

Description counter app stat 510

Type: number

Format: counter

appstat511

Description counter app stat 511

Type: number

Format: counter

appstat52

Description counter app stat 52

Type: number

Format: counter

appstat53

Description counter app stat 53

Type: number

Format: counter

appstat54

Description counter app stat 54

Type: number

Format: counter

appstat55

Description counter app stat 55

Type: number

Format: counter

appstat56

Description counter app stat 56

Type: number

Format: counter

appstat57

Description counter app stat 57

Type: number

Format: counter

appstat58

Description counter app stat 58

Type: number

Format: counter

appstat59

Description counter app stat 59

Type: number

Format: counter

appstat6

Description counter app stat 6

Type: number

Format: counter

appstat60

Description counter app stat 60

Type: number

Format: counter

appstat61

Description counter app stat 61

Type: number

Format: counter

appstat62

Description counter app stat 62

Type: number

Format: counter

appstat63

Description counter app stat 63

Type: number

Format: counter

appstat64

Description counter app stat 64

Type: number

Format: counter

appstat65

Description counter app stat 65

Type: number

Format: counter

appstat66

Description counter app stat 66

Type: number

Format: counter

appstat67

Description counter app stat 67

Type: number

Format: counter

appstat68

Description counter app stat 68

Type: number

Format: counter

appstat69

Description counter app stat 69

Type: number

Format: counter

appstat7

Description counter app stat 7

Type: number

Format: counter

appstat70

Description counter app stat 70

Type: number

Format: counter

appstat71

Description counter app stat 71

Type: number

Format: counter

appstat72

Description counter app stat 72

Type: number

Format: counter

appstat73

Description counter app stat 73

Type: number

Format: counter

appstat74

Description counter app stat 74

Type: number

Format: counter

appstat75

Description counter app stat 75

Type: number

Format: counter

appstat76

Description counter app stat 76

Type: number

Format: counter

appstat77

Description counter app stat 77

Type: number

Format: counter

appstat78

Description counter app stat 78

Type: number

Format: counter

appstat79

Description counter app stat 79

Type: number

Format: counter

appstat8

Description counter app stat 8

Type: number

Format: counter

appstat80

Description counter app stat 80

Type: number

Format: counter

appstat81

Description counter app stat 81

Type: number

Format: counter

appstat82

Description counter app stat 82

Type: number

Format: counter

appstat83

Description counter app stat 83

Type: number

Format: counter

appstat84

Description counter app stat 84

Type: number

Format: counter

appstat85

Description counter app stat 85

Type: number

Format: counter

appstat86

Description counter app stat 86

Type: number

Format: counter

appstat87

Description counter app stat 87

Type: number

Format: counter

appstat88

Description counter app stat 88

Type: number

Format: counter

appstat89

Description counter app stat 89

Type: number

Format: counter

appstat9

Description counter app stat 9

Type: number

Format: counter

appstat90

Description counter app stat 90

Type: number

Format: counter

appstat91

Description counter app stat 91

Type: number

Format: counter

appstat92

Description counter app stat 92

Type: number

Format: counter

appstat93

Description counter app stat 93

Type: number

Format: counter

appstat94

Description counter app stat 94

Type: number

Format: counter

appstat95

Description counter app stat 95

Type: number

Format: counter

appstat96

Description counter app stat 96

Type: number

Format: counter

appstat97

Description counter app stat 97

Type: number

Format: counter

appstat98

Description counter app stat 98

Type: number

Format: counter

appstat99

Description counter app stat 99

Type: number

Format: counter

2.109.4 rule-set application

application Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	application
Element URI	/axapi/v3/rule-set/{name}/application
Element Attributes	application_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/rule-set/{name}/application/oper
Schema	`application schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/application

application attributes

Get Object

GET

/axapi/v3/rule-set/{name}/application

application attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/application

application attributes

Delete Object

DELETE

/axapi/v3/rule-set/{name}/application

application attributes

application attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.109.5 rule-set application oper

Operational Status for the object application

application Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	application
Element URI	/axapi/v3/rule-set/{name}/application/oper
Element Attributes	application_attributes
Partition Visibility	None
Schema	`application schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/application/oper

application attributes

Get Object

GET

/axapi/v3/rule-set/{name}/application/oper

application attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/application/oper

application attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/application/oper

application attributes

Delete Object

DELETE

/axapi/v3/rule-set/{name}/application/oper

application attributes

application attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

app-stat

Description

Type: string

category-stat

Description

Type: string

protocol

Description

Type: number

rule

Description

Type: string

rule-list

Type: List

rule-set-only

Description

Type: number

oper_rule-list

Specification	Value
Type	*list*
Block object keys	

name

Description

Type: string

stat-list

Type: List

oper_rule-list_stat-list

Specification	Value
Type	*list*
Block object keys	

bytes

Description

Type: number

category

Description

Type: string

conns

Description

Type: number

name

Description

Type: string

type

Description

Type: string

2.109.6 rule-set oper

Operational Status for the object rule-set

rule-set Specification

Parameter	Value
Type	*Collection*
Collection Name	*rule-set-list*
Collection URI	/axapi/v3/rule-set/{name}
Element Name	rule-set
Element URI	/axapi/v3/rule-set/{name}/oper
Element Attributes	rule-set_attributes
Partition Visibility	None
Schema	`rule-set schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}

rule-set attributes

Create List

POST

/axapi/v3/rule-set/{name}

rule-set attributes

Get Object

GET

/axapi/v3/rule-set/{name}/oper

rule-set attributes

Get List

GET

/axapi/v3/rule-set/{name}

rule-set-list

Modify Object

POST

/axapi/v3/rule-set/{name}/oper

rule-set attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/oper

rule-set attributes

Replace List

PUT

/axapi/v3/rule-set/{name}

rule-set-list

Delete Object

DELETE

/axapi/v3/rule-set/{name}/oper

rule-set attributes

rule-set-list

rule-set-list is **JSON List** of *rule-set attributes*

rule-set-list : [

{ *rule-set attributes* },

{ *rule-set attributes* },

...

]

rule-set attributes

application

Description: application is a **JSON Block**. Please see below for *application*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rules-by-zone/application*

name

Description Rule set name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

rule-list

Type: List

Reference Object: */axapi/v3/rule-set/{name}/rule/{name}*

rules-by-zone

Description: rules-by-zone is a **JSON Block**. Please see below for *rules-by-zone*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rules-by-zone*

track-app-rule-list

Description: track-app-rule-list is a **JSON Block**. Please see below for *track-app-rule-list*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rules-by-zone/application/track-app-rule-list*

oper

Specification	Value
Type	*object*

policy-deny

Description

Type: number

policy-permit

Description

Type: number

policy-reset

Description

Type: number

policy-rule-count

Description

Type: number

policy-status

Description

Type: string

policy-unmatched-drop

Description

Type: number

rule-stats

Type: List

show-total-stats

Description

Type: string

topn-rules

Description

Type: string

total-active-icmp

Description

Type: number

total-active-others

Description

Type: number

total-active-tcp

Description

Type: number

total-active-udp

Description

Type: number

total-bytes

Description

Type: number

total-deny-bytes

Description

Type: number

total-deny-packets

Description

Type: number

total-hit

Description

Type: number

total-packets

Description

Type: number

total-permit-bytes

Description

Type: number

total-permit-packets

Description

Type: number

total-reset-bytes

Description

Type: number

total-reset-packets

Description

Type: number

oper_rule-stats

Specification	Value
Type	*list*
Block object keys	

rule-action

Description

Type: string

rule-hitcount

Description

Type: number

rule-name

Description

Type: string

rule-status

Description

Type: string

track-app-rule-list

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *track-app-rule-list_oper*

Type: Object

track-app-rule-list_oper

Specification	Value
Type	*object*

rule-list

Type: List

track-app-rule-list_oper_rule-list

Specification	Value
Type	*list*
Block object keys	

name

Description

Type: string

rule-list

Specification	Value
Type	*list*
Block object keys	

name

Description Rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *rule-list_oper*

Type: Object

rule-list_oper

Specification	Value
Type	*object*

action

Description

Type: string

activesessionicmp

Description

Type: number

activesessionother

Description

Type: number

activesessionsctp

Description

Type: number

activesessiontcp

Description

Type: number

activesessiontotal

Description

Type: number

activesessionudp

Description

Type: number

denybytes

Description

Type: number

denypackets

Description

Type: number

hitcount

Description

Type: number

last-hitcount-time

Description

Type: string

permitbytes

Description

Type: number

permitpackets

Description

Type: number

ratelimitdrops

Description

Type: number

resetbytes

Description

Type: number

resetpackets

Description

Type: number

sessionicmp

Description

Type: number

sessionother

Description

Type: number

sessionsctp

Description

Type: number

sessiontcp

Description

Type: number

sessiontotal

Description

Type: number

sessionudp

Description

Type: number

status

Description

Type: string

synacksent

Description

Type: number

syncookieon

Description

Type: number

tcphalfopencount

Description

Type: number

totalbytes

Description

Type: number

totalpackets

Description

Type: number

verificationfailed

Description

Type: number

verificationpassed

Description

Type: number

application

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *application_oper*

Type: Object

application_oper

Specification	Value
Type	*object*

app-stat

Description

Type: string

category-stat

Description

Type: string

protocol

Description

Type: number

rule

Description

Type: string

rule-list

Type: List

rule-set-only

Description

Type: number

application_oper_rule-list

Specification	Value
Type	*list*
Block object keys	

name

Description

Type: string

stat-list

Type: List

application_oper_rule-list_stat-list

Specification	Value
Type	*list*
Block object keys	

bytes

Description

Type: number

category

Description

Type: string

conns

Description

Type: number

name

Description

Type: string

type

Description

Type: string

rules-by-zone

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *rules-by-zone_oper*

Type: Object

rules-by-zone_oper

Specification	Value
Type	*object*

group-list

Type: List

rules-by-zone_oper_group-list

Specification	Value
Type	*list*
Block object keys	

from

Description

Type: string

rule-list

Type: List

to

Description

Type: string

rules-by-zone_oper_group-list_rule-list

Specification	Value
Type	*list*
Block object keys	

action

Description

Type: string

dest-list

Type: List

dscp-list

Type: List

name

Description

Type: string

service-list

Type: List

source-list

Type: List

rules-by-zone_oper_group-list_rule-list_dscp-list

Specification	Value
Type	*list*
Block object keys	

dscp

Description

Type: string

rules-by-zone_oper_group-list_rule-list_dest-list

Specification	Value
Type	*list*
Block object keys	

dest

Description

Type: string

rules-by-zone_oper_group-list_rule-list_source-list

Specification	Value
Type	*list*
Block object keys	

source

Description

Type: string

rules-by-zone_oper_group-list_rule-list_service-list

Specification	Value
Type	*list*
Block object keys	

service

Description

Type: string

2.109.7 rule-set rule

Configure rule-set rule

rule Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*rule-list*
Collection URI	/axapi/v3/rule-set/{name}/rule
Element Name	rule
Element URI	/axapi/v3/rule-set/{name}/rule/{name}
Element Attributes	rule_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/rule-set/{name}/rule/{name}/stats
Operational Data URI	/axapi/v3/rule-set/{name}/rule/{name}/oper
Schema	`rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rule

rule attributes

Create List

POST

/axapi/v3/rule-set/{name}/rule

rule attributes

Get Object

GET

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Get List

GET

/axapi/v3/rule-set/{name}/rule

rule-list

Modify Object

POST

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Replace List

PUT

/axapi/v3/rule-set/{name}/rule

rule-list

Delete Object

DELETE

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

rule-list

rule-list is **JSON List** of *rule attributes*

rule-list : [

{ *rule attributes* },

{ *rule attributes* },

…

]

rule attributes

action

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

action-group

Description: action-group is a **JSON Block**. Please see below for *action-group*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rule/{name}/action-group*

app-list

Type: List

application-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: application-any,obj-grp-application, protocol, and protocol-tag are mutually exclusive

cgnv6-ds-lite

Description 'lsn-lid': Apply specified CGNv6 LSN LID;

Type: string

Supported Values: lsn-lid

cgnv6-ds-lite-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-ds-lite-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-fixed-nat-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6-log and cgnv6-policy are mutually exclusive

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-lsn-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT; 'ds-lite': Apply CGNv6 DS-Lite;

Type: string

Supported Values: lsn-lid, fixed-nat, ds-lite

Mutual Exclusion: cgnv6-policy and cgnv6-log are mutually exclusive

dest-list

Type: List

dscp-list

Type: List

dst-class-list

Description Match destination IP against class-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-class-list,dst-ipv4-any, dst-ipv6-any, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, and dst-slb-vserver are mutually exclusive

Reference Object: */axapi/v3/class-list*

dst-domain-list

Description Match destination IP against domain-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-domain-list, dst-ipv4-any, and dst-ipv6-any are mutually exclusive

Reference Object: */axapi/v3/domain-list*

dst-geoloc-list

Description Geolocation name list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-geoloc-list,dst-geoloc-name, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, and dst-slb-vserver are mutually exclusive

dst-geoloc-list-shared

Description Use Geolocation list from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dst-geoloc-name

Description Single geolocation name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-geoloc-name,dst-geoloc-list, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, and dst-slb-vserver are mutually exclusive

dst-ipv4-any

Description 'any': Any IPv4 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-ipv4-any,dst-ipv6-any, dst-class-list, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, dst-slb-vserver, and dst-domain-list are mutually exclusive

dst-ipv6-any

Description 'any': Any IPv6 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-ipv6-any,dst-ipv4-any, dst-class-list, dst-ip-subnet, dst-ipv6-subnet, dst-obj-network, dst-obj-grp-network, dst-slb-server, dst-slb-vserver, and dst-domain-list are mutually exclusive

dst-threat-list

Description Bind threat-list for destination IP based filtering

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/threat-intel/threat-list*

dst-zone

Description Zone name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-zone and dst-zone-any are mutually exclusive

Reference Object: */axapi/v3/zone*

dst-zone-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: dst-zone-any and dst-zone are mutually exclusive

forward-listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fw-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fwlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-template

Description Configure GTP Policy Template (GTP Template Policy Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp-policy*

idle-timeout

Description TCP/UDP idle-timeout

Type: number

Range: 1-2097151

inspect-payload

Description Enable DS-Lite tunnel inspection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-version

Description 'v4': IPv4 rule; 'v6': IPv6 rule;

Type: string

Supported Values: v4, v6

Default: v4

lid

Description Apply a Template LID

Type: number

Range: 1-1023

lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port and log are mutually exclusive

listen-on-port-lid

Description Apply a Template LID

Type: number

Range: 1-1023

listen-on-port-lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: log, listen-on-port, and policy are mutually exclusive

move-rule

Description: move-rule is a **JSON Block**. Please see below for *move-rule*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rule/{name}/move-rule*

name

Description Rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/rule-set-rule-tmpl*

policy

Description 'cgnv6': Apply CGNv6 policy; 'forward': Forward packet; 'ipsec': Apply IPsec encapsulation; 'ipsec-group': Apply IPsec encapsulation from a group;

Type: string

Supported Values: cgnv6, forward, ipsec, ipsec-group

Mutual Exclusion: policy and log are mutually exclusive

remark

Description Rule entry comment (Notes for this rule)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

reset-lid

Description Apply a Template LID

Type: number

Range: 1-1023

reset-lidlog

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

service-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: service-any,protocols, proto-id, obj-grp-service, icmp, and icmpv6 are mutually exclusive

service-list

Type: List

source-list

Type: List

src-class-list

Description Match source IP against class-list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-class-list,src-ipv4-any, src-ipv6-any, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

Reference Object: */axapi/v3/class-list*

src-geoloc-list

Description Geolocation name list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-geoloc-list,src-geoloc-name, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

src-geoloc-list-shared

Description Use Geolocation list from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-geoloc-name

Description Single geolocation name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: src-geoloc-name,src-geoloc-list, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

src-ipv4-any

Description 'any': Any IPv4 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-ipv4-any,src-ipv6-any, src-class-list, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

src-ipv6-any

Description 'any': Any IPv6 address;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-ipv6-any,src-ipv4-any, src-class-list, src-ip-subnet, src-ipv6-subnet, src-obj-network, src-obj-grp-network, and src-slb-server are mutually exclusive

src-threat-list

Description Bind threat-list for source IP based filtering

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/threat-intel/threat-list*

src-zone

Description Zone name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: src-zone and src-zone-any are mutually exclusive

Reference Object: */axapi/v3/zone*

src-zone-any

Description 'any': any;

Type: string

Supported Values: any

Default: any

Mutual Exclusion: src-zone-any and src-zone are mutually exclusive

status

Description 'enable': Enable rule; 'disable': Disable rule;

Type: string

Supported Values: enable, disable

Default: enable

track-application

Description Enable application statistic (functional only in action permit)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-group-name

Description VPN IPsec Group name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec-group*

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec*

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-count': Hit counts; 'permit-bytes': Permitted bytes counter; 'deny-bytes': Denied bytes counter; 'reset-bytes': Reset bytes counter; 'permit-packets': Permitted packets counter; 'deny-packets': Denied packets counter; 'reset-packets': Reset packets counter; 'active-session-tcp': Active TCP session counter; 'active-session-udp': Active UDP session counter; 'active-session-icmp': Active ICMP session counter; 'active-session-other': Active other protocol session counter; 'session-tcp': TCP session counter; 'session-udp': UDP session counter; 'session-icmp': ICMP session counter; 'session-other': Other protocol session counter; 'active-session-sctp': Active SCTP session counter; 'session-sctp': SCTP session counter; 'hitcount-timestamp': Last hit counts timestamp; 'rate-limit-drops': Rate Limit Drops;

Type: string

Supported Values: all, hit-count, permit-bytes, deny-bytes, reset-bytes, permit-packets, deny-packets, reset-packets, active-session-tcp, active-session-udp, active-session-icmp, active-session-other, session-tcp, session-udp, session-icmp, session-other, active-session-sctp, session-sctp, hitcount-timestamp, rate-limit-drops, syn-cookie-syn-ack-sent, syn-cookie-verification-passed, syn-cookie-verification-failed, syn-cookie-conn-setup-failed, tcp-half-open-count

dscp-list

Specification	Value
Type	*list*
Block object keys	

dscp-range-end

Description Ending DSCP Number

Type: number

Range: 1-63

dscp-range-start

Description Start DSCP Number

Type: number

Range: 1-63

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110);

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef

Mutual Exclusion: dscp-value and dscp-range are mutually exclusive

app-list

Specification	Value
Type	*list*
Block object keys	

obj-grp-application

Description Application object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: obj-grp-application and application-any are mutually exclusive

Reference Object: */axapi/v3/object-group/application*

protocol

Description Specify application(s)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Mutual Exclusion: protocol and application-any are mutually exclusive

protocol-tag

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'application-enforcing-tls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.; 'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts;

'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, application-enforcing-tls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum, gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

Mutual Exclusion: protocol-tag and application-any are mutually exclusive

action-group

Specification	Value
Type	*object*

cgnv6

Description Apply CGNv6 policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6,listen-on-port, forward, ipsec, and ipsec-group are mutually exclusive

cgnv6-ds-lite

Description 'lsn-lid': Apply specified CGNv6 LSN LID;

Type: string

Supported Values: lsn-lid

cgnv6-ds-lite-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT; 'ds-lite': Apply CGNv6 DS-Lite;

Type: string

Supported Values: lsn-lid, fixed-nat, ds-lite

deny-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

deny-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deny-log-template-type

Description 'fw-logging-template': Logging with specified fw template;

Type: string

Supported Values: fw-logging-template

deny-reset-limit-policy

Description Limit policy Template (only works for inbound rule)

Type: number

Range: 1-1023

Mutual Exclusion: deny-reset-limit-policy and ipsec are mutually exclusive

Reference Object: */axapi/v3/template/limit-policy*

dscp-number

Description DSCP Number

Type: number

Range: 0-63

Mutual Exclusion: dscp-number and dscp-value are mutually exclusive

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110);

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef

Mutual Exclusion: dscp-value and dscp-number are mutually exclusive

forward

Description Forward packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward,ipsec, ipsec-group, and cgnv6 are mutually exclusive

inspect-payload

Description Enable DS-Lite tunnel inspection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec

Description Apply IPsec encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsec,permit-log, listen-on-port, forward, ipsec-group, cgnv6, permit-limit-policy, deny-reset-limit-policy, and permit-respond-to-user-mac are mutually exclusive

ipsec-group

Description Apply IPsec Group encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsec-group,permit-log, listen-on-port, forward, ipsec, and cgnv6 are mutually exclusive

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port,ipsec, ipsec-group, and cgnv6 are mutually exclusive

logging-template-list

Type: List

on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

permit-limit-policy

Description Limit policy Template

Type: number

Range: 1-1023

Mutual Exclusion: permit-limit-policy and ipsec are mutually exclusive

Reference Object: */axapi/v3/template/limit-policy*

permit-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-log, ipsec, and ipsec-group are mutually exclusive

permit-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-respond-to-user-mac and ipsec are mutually exclusive

reset-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

reset-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-log-template-type

Description 'fw-logging-template': Logging with specified fw template;

Type: string

Supported Values: fw-logging-template

reset-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-dscp

Description DSCP setting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-urpf-check

Description Skip Unicast Reverse Path Forwarding check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Configure Firewall rule Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-enable

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

tcp

Description Firewall rule TCP parameters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-val

Description Decimal number

Type: number

Range: 1-1000000

type

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-group-name

Description VPN IPsec Group name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec-group*

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec*

action-group_logging-template-list

Specification	Value
Type	*list*
Block object keys	

permit-cgnv6-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/cgnv6/template/logging*

permit-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

permit-log-template-type

Description 'fw-logging-template': Logging with specified fw template; 'cgnv6-logging-template': Logging with specified cgnv6 template; 'netflow-monitor': Logging with specified netflow/ipfix monitor;

Type: string

Supported Values: fw-logging-template, cgnv6-logging-template, netflow-monitor

permit-netflow-log

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/netflow/monitor*

dest-list

Specification	Value
Type	*list*
Block object keys	

dst-ip-subnet

Description IPv4 IP Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: dst-ip-subnet,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, dst-class-list, and dst-ipv6-subnet are mutually exclusive

dst-ipv6-subnet

Description IPv6 IP Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: dst-ipv6-subnet,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, dst-class-list, and dst-ip-subnet are mutually exclusive

dst-obj-grp-network

Description Network object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-obj-grp-network,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, and dst-class-list are mutually exclusive

Reference Object: */axapi/v3/object-group/network*

dst-obj-network

Description Network object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-obj-network,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, and dst-class-list are mutually exclusive

Reference Object: */axapi/v3/object/network*

dst-slb-server

Description SLB Real server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-slb-server,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, and dst-class-list are mutually exclusive

Reference Object: */axapi/v3/slb/server*

dst-slb-vserver

Description SLB Virtual server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dst-slb-vserver,dst-geoloc-name, dst-geoloc-list, dst-ipv4-any, dst-ipv6-any, and dst-class-list are mutually exclusive

Reference Object: */axapi/v3/slb/virtual-server*

move-rule

Specification	Value
Type	*object*

location

Description 'top': top; 'before': before; 'after': after; 'bottom': bottom;

Type: string

Supported Values: top, before, after, bottom

Default: bottom

target-rule

Description

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

source-list

Specification	Value
Type	*list*
Block object keys	

src-ip-subnet

Description IPv4 IP Address

Type: string

Format: ipv4-cidr

Mutual Exclusion: src-ip-subnet,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, src-class-list, and src-ipv6-subnet are mutually exclusive

src-ipv6-subnet

Description IPv6 IP Address

Type: string

Format: ipv6-address-plen

Mutual Exclusion: src-ipv6-subnet,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, src-class-list, and src-ip-subnet are mutually exclusive

src-obj-grp-network

Description Network object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-obj-grp-network,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, and src-class-list are mutually exclusive

Reference Object: */axapi/v3/object-group/network*

src-obj-network

Description Network object

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: src-obj-network,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, and src-class-list are mutually exclusive

Reference Object: */axapi/v3/object/network*

src-slb-server

Description SLB Real server name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: src-slb-server,src-geoloc-name, src-geoloc-list, src-ipv4-any, src-ipv6-any, and src-class-list are mutually exclusive

Reference Object: */axapi/v3/slb/server*

service-list

Specification	Value
Type	*list*
Block object keys	

alg

Description 'FTP': FTP; 'TFTP': TFTP; 'SIP': SIP; 'DNS': DNS; 'PPTP': PPTP; 'RTSP': RTSP; 'ESP': ESP;

Type: string

Supported Values: FTP, TFTP, SIP, DNS, PPTP, RTSP, ESP

eq-dst-port

Description Equal to the port number

Type: number

Range: 1-65535

eq-src-port

Description Equal to the port number

Type: number

Range: 1-65535

gt-dst-port

Description Greater than the port number

Type: number

Range: 1-65534

gt-src-port

Description Greater than the port number

Type: number

Range: 1-65534

icmp

Description ICMP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmp, service-any, and icmpv6 are mutually exclusive

icmp-code

Description ICMP code number

Type: number

Range: 0-254

Mutual Exclusion: icmp-code and special-code are mutually exclusive

icmp-type

Description ICMP type number

Type: number

Range: 0-254

Mutual Exclusion: icmp-type and special-type are mutually exclusive

icmpv6

Description ICMPv6

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: icmpv6, service-any, and icmp are mutually exclusive

icmpv6-code

Description ICMPv6 code number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-code and special-v6-code are mutually exclusive

icmpv6-type

Description ICMPv6 type number

Type: number

Range: 0-254

Mutual Exclusion: icmpv6-type and special-v6-type are mutually exclusive

lt-dst-port

Description Lower than the port number

Type: number

Range: 2-65535

lt-src-port

Description Lower than the port number

Type: number

Range: 2-65535

obj-grp-service

Description service object group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: obj-grp-service and service-any are mutually exclusive

Reference Object: */axapi/v3/object-group/service*

port-num-end-dst

Description Ending Port Number

Type: number

Range: 1-65535

port-num-end-src

Description Ending Port Number

Type: number

Range: 1-65535

proto-id

Description Protocol ID

Type: number

Range: 0-255

Mutual Exclusion: proto-id and service-any are mutually exclusive

protocols

Description 'tcp': tcp; 'udp': udp; 'sctp': sctp;

Type: string

Supported Values: tcp, udp, sctp

Mutual Exclusion: protocols and service-any are mutually exclusive

range-dst-port

Description Port range (Starting Port Number)

Type: number

Range: 1-65535

range-src-port

Description Port range (Starting Port Number)

Type: number

Range: 1-65535

sctp-template

Description SCTP Template

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/sctp*

special-code

Description 'any-code': Any ICMP code; 'frag-required': Code 4, fragmentation required; 'host-unreachable': Code 1, destination host unreachable; 'network-unreachable': Code 0, destination network unreachable; 'port-unreachable': Code 3, destination port unreachable; 'proto-unreachable': Code 2, destination protocol unreachable; 'route-failed': Code 5, source route failed;

Type: string

Supported Values: any-code, frag-required, host-unreachable, network-unreachable, port-unreachable, proto-unreachable, route-failed

Mutual Exclusion: special-code and icmp-code are mutually exclusive

special-type

Description 'any-type': Any ICMP type; 'echo-reply': Type 0, echo reply; 'echo-request': Type 8, echo request; 'info-reply': Type 16, information reply; 'info-request': Type 15, information request; 'mask-reply': Type 18, address mask reply; 'mask-request': Type 17, address mask request; 'parameter-problem': Type 12, parameter problem; 'redirect': Type 5, redirect message; 'source-quench': Type 4, source quench; 'time-exceeded': Type 11, time exceeded; 'timestamp': Type 13, timestamp; 'timestamp-reply': Type 14, timestamp reply; 'dest-unreachable': Type 3, destination unreachable;

Type: string

Supported Values: any-type, echo-reply, echo-request, info-reply, info-request, mask-reply, mask-request, parameter-problem, redirect, source-quench, time-exceeded, timestamp, timestamp-reply, dest-unreachable

Mutual Exclusion: special-type and icmp-type are mutually exclusive

special-v6-code

Description 'any-code': Any ICMPv6 code; 'addr-unreachable': Code 3, address unreachable; 'admin-prohibited': Code 1, admin prohibited; 'no-route': Code 0, no route to destination; 'not-neighbour': Code 2, not neighbor; 'port-unreachable': Code 4, destination port unreachable;

Type: string

Supported Values: any-code, addr-unreachable, admin-prohibited, no-route, not-neighbour, port-unreachable

Mutual Exclusion: special-v6-code and icmpv6-code are mutually exclusive

special-v6-type

Description 'any-type': Any ICMPv6 type; 'dest-unreachable': Type 1, destination unreachable; 'echo-reply': Type 129, echo reply; 'echo-request': Type 128, echo request; 'packet-too-big': Type 2, packet too big; 'param-prob': Type 4, parameter problem; 'time-exceeded': Type 3, time exceeded;

Type: string

Supported Values: any-type, dest-unreachable, echo-reply, echo-request, packet-too-big, param-prob, time-exceeded

Mutual Exclusion: special-v6-type and icmpv6-type are mutually exclusive

2.109.8 rule-set rule action-group

Configure action-group

action-group Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	action-group
Element URI	/axapi/v3/rule-set/{name}/rule/{name}/action-group
Element Attributes	action-group_attributes
Partition Visibility	shared
Schema	`action-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

Get Object

GET

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

Delete Object

DELETE

/axapi/v3/rule-set/{name}/rule/{name}/action-group

action-group attributes

action-group attributes

cgnv6

Description Apply CGNv6 policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cgnv6,listen-on-port, forward, ipsec, and ipsec-group are mutually exclusive

cgnv6-ds-lite

Description 'lsn-lid': Apply specified CGNv6 LSN LID;

Type: string

Supported Values: lsn-lid

cgnv6-ds-lite-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-lsn-lid

Description LSN LID

Type: number

Range: 1-1023

cgnv6-policy

Description 'lsn-lid': Apply specified CGNv6 LSN LID; 'fixed-nat': Apply CGNv6 Fixed NAT; 'ds-lite': Apply CGNv6 DS-Lite;

Type: string

Supported Values: lsn-lid, fixed-nat, ds-lite

deny-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

deny-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

deny-log-template-type

Description 'fw-logging-template': Logging with specified fw template;

Type: string

Supported Values: fw-logging-template

deny-reset-limit-policy

Description Limit policy Template (only works for inbound rule)

Type: number

Range: 1-1023

Mutual Exclusion: deny-reset-limit-policy and ipsec are mutually exclusive

Reference Object: */axapi/v3/template/limit-policy*

dscp-number

Description DSCP Number

Type: number

Range: 0-63

Mutual Exclusion: dscp-number and dscp-value are mutually exclusive

dscp-value

Description 'default': Default dscp (000000); 'af11': AF11 (001010); 'af12': AF12 (001100); 'af13': AF13 (001110); 'af21': AF21 (010010); 'af22': AF22 (010100); 'af23': AF23 (010110); 'af31': AF31 (011010); 'af32': AF32 (011100); 'af33': AF33 (011110); 'af41': AF41 (100010); 'af42': AF42 (100100); 'af43': AF43 (100110); 'cs1': CS1 (001000); 'cs2': CS2 (010000); 'cs3': CS3 (011000); 'cs4': CS4 (100000); 'cs5': CS5 (101000); 'cs6': CS6 (110000); 'cs7': CS7 (111000); 'ef': EF (101110);

Type: string

Supported Values: default, af11, af12, af13, af21, af22, af23, af31, af32, af33, af41, af42, af43, cs1, cs2, cs3, cs4, cs5, cs6, cs7, ef

Mutual Exclusion: dscp-value and dscp-number are mutually exclusive

forward

Description Forward packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward,ipsec, ipsec-group, and cgnv6 are mutually exclusive

inspect-payload

Description Enable DS-Lite tunnel inspection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipsec

Description Apply IPsec encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsec,permit-log, listen-on-port, forward, ipsec-group, cgnv6, permit-limit-policy, deny-reset-limit-policy, and permit-respond-to-user-mac are mutually exclusive

ipsec-group

Description Apply IPsec Group encapsulation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ipsec-group,permit-log, listen-on-port, forward, ipsec, and cgnv6 are mutually exclusive

listen-on-port

Description Listen on port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: listen-on-port,ipsec, ipsec-group, and cgnv6 are mutually exclusive

logging-template-list

Type: List

on-timeout

Description on-timeout for Syn-cookie (Timeout in seconds, default is 120 seconds (2 minutes))

Type: number

Range: 1-300000

Default: 120

permit-limit-policy

Description Limit policy Template

Type: number

Range: 1-1023

Mutual Exclusion: permit-limit-policy and ipsec are mutually exclusive

Reference Object: */axapi/v3/template/limit-policy*

permit-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-log, ipsec, and ipsec-group are mutually exclusive

permit-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit-respond-to-user-mac and ipsec are mutually exclusive

reset-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

reset-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-log-template-type

Description 'fw-logging-template': Logging with specified fw template;

Type: string

Supported Values: fw-logging-template

reset-respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-dscp

Description DSCP setting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-urpf-check

Description Skip Unicast Reverse Path Forwarding check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Configure Firewall rule Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie-enable

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

tcp

Description Firewall rule TCP parameters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

threshold-val

Description Decimal number

Type: number

Range: 1-1000000

type

Description 'permit': permit; 'deny': deny; 'reset': reset;

Type: string

Supported Values: permit, deny, reset

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vpn-ipsec-group-name

Description VPN IPsec Group name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec-group*

vpn-ipsec-name

Description VPN IPsec name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/vpn/ipsec*

logging-template-list

Specification	Value
Type	*list*
Block object keys	

permit-cgnv6-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/cgnv6/template/logging*

permit-fw-log

Description Logging template name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/fw/template/logging*

permit-log-template-type

Description 'fw-logging-template': Logging with specified fw template; 'cgnv6-logging-template': Logging with specified cgnv6 template; 'netflow-monitor': Logging with specified netflow/ipfix monitor;

Type: string

Supported Values: fw-logging-template, cgnv6-logging-template, netflow-monitor

permit-netflow-log

Description Name of netflow monitor

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/netflow/monitor*

2.109.9 rule-set rule oper

Operational Status for the object rule

rule Specification

Parameter	Value
Type	*Collection*
Collection Name	*rule-list*
Collection URI	/axapi/v3/rule-set/{name}/rule/{name}
Element Name	rule
Element URI	/axapi/v3/rule-set/{name}/rule/{name}/oper
Element Attributes	rule_attributes
Partition Visibility	None
Schema	`rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Create List

POST

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Get Object

GET

/axapi/v3/rule-set/{name}/rule/{name}/oper

rule attributes

Get List

GET

/axapi/v3/rule-set/{name}/rule/{name}

rule-list

Modify Object

POST

/axapi/v3/rule-set/{name}/rule/{name}/oper

rule attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/rule/{name}/oper

rule attributes

Replace List

PUT

/axapi/v3/rule-set/{name}/rule/{name}

rule-list

Delete Object

DELETE

/axapi/v3/rule-set/{name}/rule/{name}/oper

rule attributes

rule-list

rule-list is **JSON List** of *rule attributes*

rule-list : [

{ *rule attributes* },

{ *rule attributes* },

…

]

rule attributes

name

Description Rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

action

Description

Type: string

activesessionicmp

Description

Type: number

activesessionother

Description

Type: number

activesessionsctp

Description

Type: number

activesessiontcp

Description

Type: number

activesessiontotal

Description

Type: number

activesessionudp

Description

Type: number

denybytes

Description

Type: number

denypackets

Description

Type: number

hitcount

Description

Type: number

last-hitcount-time

Description

Type: string

permitbytes

Description

Type: number

permitpackets

Description

Type: number

ratelimitdrops

Description

Type: number

resetbytes

Description

Type: number

resetpackets

Description

Type: number

sessionicmp

Description

Type: number

sessionother

Description

Type: number

sessionsctp

Description

Type: number

sessiontcp

Description

Type: number

sessiontotal

Description

Type: number

sessionudp

Description

Type: number

status

Description

Type: string

synacksent

Description

Type: number

syncookieon

Description

Type: number

tcphalfopencount

Description

Type: number

totalbytes

Description

Type: number

totalpackets

Description

Type: number

verificationfailed

Description

Type: number

verificationpassed

Description

Type: number

2.109.10 rule-set rule stats

Statistics for the object rule

rule Specification

Parameter	Value
Type	*Collection*
Collection Name	*rule-list*
Collection URI	/axapi/v3/rule-set/{name}/rule/{name}
Element Name	rule
Element URI	/axapi/v3/rule-set/{name}/rule/{name}/stats
Element Attributes	rule_attributes
Partition Visibility	None
Schema	`rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Create List

POST

/axapi/v3/rule-set/{name}/rule/{name}

rule attributes

Get Object

GET

/axapi/v3/rule-set/{name}/rule/{name}/stats

rule attributes

Get List

GET

/axapi/v3/rule-set/{name}/rule/{name}

rule-list

Modify Object

POST

/axapi/v3/rule-set/{name}/rule/{name}/stats

rule attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/rule/{name}/stats

rule attributes

Replace List

PUT

/axapi/v3/rule-set/{name}/rule/{name}

rule-list

Delete Object

DELETE

/axapi/v3/rule-set/{name}/rule/{name}/stats

rule attributes

rule-list

rule-list is **JSON List** of *rule attributes*

rule-list : [

{ *rule attributes* },

{ *rule attributes* },

…

]

rule attributes

name

Description Rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

active-session-icmp

Description Active ICMP session counter

Type: number

Format: counter

active-session-other

Description Active other protocol session counter

Type: number

Format: counter

active-session-sctp

Description Active SCTP session counter

Type: number

Format: counter

active-session-tcp

Description Active TCP session counter

Type: number

Format: counter

active-session-udp

Description Active UDP session counter

Type: number

Format: counter

deny-bytes

Description Denied bytes counter

Type: number

Format: counter

deny-packets

Description Denied packets counter

Type: number

Format: counter

hit-count

Description Hit counts

Type: number

Format: counter

hitcount-timestamp

Description Last hit counts timestamp

Type: number

Format: counter

permit-bytes

Description Permitted bytes counter

Type: number

Format: counter

permit-packets

Description Permitted packets counter

Type: number

Format: counter

rate-limit-drops

Description Rate Limit Drops

Type: number

Format: counter

reset-bytes

Description Reset bytes counter

Type: number

Format: counter

reset-packets

Description Reset packets counter

Type: number

Format: counter

session-icmp

Description ICMP session counter

Type: number

Format: counter

session-other

Description Other protocol session counter

Type: number

Format: counter

session-sctp

Description SCTP session counter

Type: number

Format: counter

session-tcp

Description TCP session counter

Type: number

Format: counter

session-udp

Description UDP session counter

Type: number

Format: counter

syn-cookie-syn-ack-sent

Description SYN cookie SYN ACK sent

Type: number

Format: counter

syn-cookie-verification-failed

Description SYN cookie verification failed

Type: number

Format: counter

syn-cookie-verification-passed

Description SYN cookie verification passed

Type: number

Format: counter

tcp-half-open-count

Description TCP half open sessions matching the rule

Type: number

Format: counter

2.109.11 rule-set rules-by-zone

rules-by-zone Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rules-by-zone
Element URI	/axapi/v3/rule-set/{name}/rules-by-zone
Element Attributes	rules-by-zone_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/rule-set/{name}/rules-by-zone/stats
Operational Data URI	/axapi/v3/rule-set/{name}/rules-by-zone/oper
Schema	`rules-by-zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rules-by-zone

rules-by-zone attributes

```
POST /axapi/v3/rule-set/a/rules-by-zone
Payload:
{
    "rules-by-zone": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/rule-set/{name}/rules-by-zone

rules-by-zone attributes

```
GET /axapi/v3/rule-set/a/rules-by-zone
Reponse:
{
    "rules-by-zone": {
        "uuid": "9eb07558-08f2-11f0-a952-c3be1c247dd7",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/rule-set/a/rules-by-zone"
    }
}
```

Modify Object

POST

/axapi/v3/rule-set/{name}/rules-by-zone

rules-by-zone attributes

rules-by-zone attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'dummy': Entry for a10countergen;

Type: string

Supported Values: all, dummy

2.109.12 rule-set rules-by-zone oper

Operational Status for the object rules-by-zone

rules-by-zone Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rules-by-zone
Element URI	/axapi/v3/rule-set/{name}/rules-by-zone/oper
Element Attributes	rules-by-zone_attributes
Partition Visibility	None
Schema	`rules-by-zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rules-by-zone/oper

rules-by-zone attributes

Get Object

GET

/axapi/v3/rule-set/{name}/rules-by-zone/oper

rules-by-zone attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/rules-by-zone/oper

rules-by-zone attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/rules-by-zone/oper

rules-by-zone attributes

Delete Object

DELETE

/axapi/v3/rule-set/{name}/rules-by-zone/oper

rules-by-zone attributes

rules-by-zone attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

group-list

Type: List

oper_group-list

Specification	Value
Type	*list*
Block object keys	

from

Description

Type: string

rule-list

Type: List

to

Description

Type: string

oper_group-list_rule-list

Specification	Value
Type	*list*
Block object keys	

action

Description

Type: string

dest-list

Type: List

dscp-list

Type: List

name

Description

Type: string

service-list

Type: List

source-list

Type: List

oper_group-list_rule-list_dscp-list

Specification	Value
Type	*list*
Block object keys	

dscp

Description

Type: string

oper_group-list_rule-list_dest-list

Specification	Value
Type	*list*
Block object keys	

dest

Description

Type: string

oper_group-list_rule-list_source-list

Specification	Value
Type	*list*
Block object keys	

source

Description

Type: string

oper_group-list_rule-list_service-list

Specification	Value
Type	*list*
Block object keys	

service

Description

Type: string

2.109.13 rule-set rules-by-zone stats

Statistics for the object rules-by-zone

rules-by-zone Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rules-by-zone
Element URI	/axapi/v3/rule-set/{name}/rules-by-zone/stats
Element Attributes	rules-by-zone_attributes
Partition Visibility	None
Schema	`rules-by-zone schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/rules-by-zone/stats

rules-by-zone attributes

Get Object

GET

/axapi/v3/rule-set/{name}/rules-by-zone/stats

rules-by-zone attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/rules-by-zone/stats

rules-by-zone attributes

rules-by-zone attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

dummy

Description Entry for a10countergen

Type: number

Format: counter

2.109.14 rule-set stats

Statistics for the object rule-set

rule-set Specification

Parameter	Value
Type	*Collection*
Collection Name	*rule-set-list*
Collection URI	/axapi/v3/rule-set/{name}
Element Name	rule-set
Element URI	/axapi/v3/rule-set/{name}/stats
Element Attributes	rule-set_attributes
Partition Visibility	None
Schema	`rule-set schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}

rule-set attributes

Create List

POST

/axapi/v3/rule-set/{name}

rule-set attributes

Get Object

GET

/axapi/v3/rule-set/{name}/stats

rule-set attributes

Get List

GET

/axapi/v3/rule-set/{name}

rule-set-list

Modify Object

POST

/axapi/v3/rule-set/{name}/stats

rule-set attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/stats

rule-set attributes

Replace List

PUT

/axapi/v3/rule-set/{name}

rule-set-list

Delete Object

DELETE

/axapi/v3/rule-set/{name}/stats

rule-set attributes

rule-set-list

rule-set-list is **JSON List** of *rule-set attributes*

rule-set-list : [

{ *rule-set attributes* },

{ *rule-set attributes* },

...

]

rule-set attributes

app

Description: app is a **JSON Block**. Please see below for *app*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rules-by-zone/track-app-rule-list/app*

name

Description Rule set name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rule-list

Type: List

Reference Object: */axapi/v3/rule-set/{name}/rule/{name}*

rules-by-zone

Description: rules-by-zone is a **JSON Block**. Please see below for *rules-by-zone*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rules-by-zone*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

tag

Description: tag is a **JSON Block**. Please see below for *tag*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rules-by-zone/track-app-rule-list/app/tag*

track-app-rule-list

Description: track-app-rule-list is a **JSON Block**. Please see below for *track-app-rule-list*

Type: Object

Reference Object: */axapi/v3/rule-set/{name}/rules-by-zone/track-app-rule-list*

stats

Specification	Value
Type	*object*

deny

Description Denied counter

Type: number

Format: counter

permit

Description Permitted counter

Type: number

Format: counter

reset

Description Reset counter

Type: number

Format: counter

unmatched-drops

Description Unmatched drops counter

Type: number

Format: counter

app

Specification	Value
Type	*object*

stats

Description: stats is a **JSON Block**. Please see below for *app_stats*

Type: Object

app_stats

Specification	Value
Type	*object*

appstat1

Description counter app stat 1

Type: number

Format: counter

appstat10

Description counter app stat 10

Type: number

Format: counter

appstat100

Description counter app stat 100

Type: number

Format: counter

appstat101

Description counter app stat 101

Type: number

Format: counter

appstat102

Description counter app stat 102

Type: number

Format: counter

appstat103

Description counter app stat 103

Type: number

Format: counter

appstat104

Description counter app stat 104

Type: number

Format: counter

appstat105

Description counter app stat 105

Type: number

Format: counter

appstat106

Description counter app stat 106

Type: number

Format: counter

appstat107

Description counter app stat 107

Type: number

Format: counter

appstat108

Description counter app stat 108

Type: number

Format: counter

appstat109

Description counter app stat 109

Type: number

Format: counter

appstat11

Description counter app stat 11

Type: number

Format: counter

appstat110

Description counter app stat 110

Type: number

Format: counter

appstat111

Description counter app stat 111

Type: number

Format: counter

appstat112

Description counter app stat 112

Type: number

Format: counter

appstat113

Description counter app stat 113

Type: number

Format: counter

appstat114

Description counter app stat 114

Type: number

Format: counter

appstat115

Description counter app stat 115

Type: number

Format: counter

appstat116

Description counter app stat 116

Type: number

Format: counter

appstat117

Description counter app stat 117

Type: number

Format: counter

appstat118

Description counter app stat 118

Type: number

Format: counter

appstat119

Description counter app stat 119

Type: number

Format: counter

appstat12

Description counter app stat 12

Type: number

Format: counter

appstat120

Description counter app stat 120

Type: number

Format: counter

appstat121

Description counter app stat 121

Type: number

Format: counter

appstat122

Description counter app stat 122

Type: number

Format: counter

appstat123

Description counter app stat 123

Type: number

Format: counter

appstat124

Description counter app stat 124

Type: number

Format: counter

appstat125

Description counter app stat 125

Type: number

Format: counter

appstat126

Description counter app stat 126

Type: number

Format: counter

appstat127

Description counter app stat 127

Type: number

Format: counter

appstat128

Description counter app stat 128

Type: number

Format: counter

appstat129

Description counter app stat 129

Type: number

Format: counter

appstat13

Description counter app stat 13

Type: number

Format: counter

appstat130

Description counter app stat 130

Type: number

Format: counter

appstat131

Description counter app stat 131

Type: number

Format: counter

appstat132

Description counter app stat 132

Type: number

Format: counter

appstat133

Description counter app stat 133

Type: number

Format: counter

appstat134

Description counter app stat 134

Type: number

Format: counter

appstat135

Description counter app stat 135

Type: number

Format: counter

appstat136

Description counter app stat 136

Type: number

Format: counter

appstat137

Description counter app stat 137

Type: number

Format: counter

appstat138

Description counter app stat 138

Type: number

Format: counter

appstat139

Description counter app stat 139

Type: number

Format: counter

appstat14

Description counter app stat 14

Type: number

Format: counter

appstat140

Description counter app stat 140

Type: number

Format: counter

appstat141

Description counter app stat 141

Type: number

Format: counter

appstat142

Description counter app stat 142

Type: number

Format: counter

appstat143

Description counter app stat 143

Type: number

Format: counter

appstat144

Description counter app stat 144

Type: number

Format: counter

appstat145

Description counter app stat 145

Type: number

Format: counter

appstat146

Description counter app stat 146

Type: number

Format: counter

appstat147

Description counter app stat 147

Type: number

Format: counter

appstat148

Description counter app stat 148

Type: number

Format: counter

appstat149

Description counter app stat 149

Type: number

Format: counter

appstat15

Description counter app stat 15

Type: number

Format: counter

appstat150

Description counter app stat 150

Type: number

Format: counter

appstat151

Description counter app stat 151

Type: number

Format: counter

appstat152

Description counter app stat 152

Type: number

Format: counter

appstat153

Description counter app stat 153

Type: number

Format: counter

appstat154

Description counter app stat 154

Type: number

Format: counter

appstat155

Description counter app stat 155

Type: number

Format: counter

appstat156

Description counter app stat 156

Type: number

Format: counter

appstat157

Description counter app stat 157

Type: number

Format: counter

appstat158

Description counter app stat 158

Type: number

Format: counter

appstat159

Description counter app stat 159

Type: number

Format: counter

appstat16

Description counter app stat 16

Type: number

Format: counter

appstat160

Description counter app stat 160

Type: number

Format: counter

appstat161

Description counter app stat 161

Type: number

Format: counter

appstat162

Description counter app stat 162

Type: number

Format: counter

appstat163

Description counter app stat 163

Type: number

Format: counter

appstat164

Description counter app stat 164

Type: number

Format: counter

appstat165

Description counter app stat 165

Type: number

Format: counter

appstat166

Description counter app stat 166

Type: number

Format: counter

appstat167

Description counter app stat 167

Type: number

Format: counter

appstat168

Description counter app stat 168

Type: number

Format: counter

appstat169

Description counter app stat 169

Type: number

Format: counter

appstat17

Description counter app stat 17

Type: number

Format: counter

appstat170

Description counter app stat 170

Type: number

Format: counter

appstat171

Description counter app stat 171

Type: number

Format: counter

appstat172

Description counter app stat 172

Type: number

Format: counter

appstat173

Description counter app stat 173

Type: number

Format: counter

appstat174

Description counter app stat 174

Type: number

Format: counter

appstat175

Description counter app stat 175

Type: number

Format: counter

appstat176

Description counter app stat 176

Type: number

Format: counter

appstat177

Description counter app stat 177

Type: number

Format: counter

appstat178

Description counter app stat 178

Type: number

Format: counter

appstat179

Description counter app stat 179

Type: number

Format: counter

appstat18

Description counter app stat 18

Type: number

Format: counter

appstat180

Description counter app stat 180

Type: number

Format: counter

appstat181

Description counter app stat 181

Type: number

Format: counter

appstat182

Description counter app stat 182

Type: number

Format: counter

appstat183

Description counter app stat 183

Type: number

Format: counter

appstat184

Description counter app stat 184

Type: number

Format: counter

appstat185

Description counter app stat 185

Type: number

Format: counter

appstat186

Description counter app stat 186

Type: number

Format: counter

appstat187

Description counter app stat 187

Type: number

Format: counter

appstat188

Description counter app stat 188

Type: number

Format: counter

appstat189

Description counter app stat 189

Type: number

Format: counter

appstat19

Description counter app stat 19

Type: number

Format: counter

appstat190

Description counter app stat 190

Type: number

Format: counter

appstat191

Description counter app stat 191

Type: number

Format: counter

appstat192

Description counter app stat 192

Type: number

Format: counter

appstat193

Description counter app stat 193

Type: number

Format: counter

appstat194

Description counter app stat 194

Type: number

Format: counter

appstat195

Description counter app stat 195

Type: number

Format: counter

appstat196

Description counter app stat 196

Type: number

Format: counter

appstat197

Description counter app stat 197

Type: number

Format: counter

appstat198

Description counter app stat 198

Type: number

Format: counter

appstat199

Description counter app stat 199

Type: number

Format: counter

appstat2

Description counter app stat 2

Type: number

Format: counter

appstat20

Description counter app stat 20

Type: number

Format: counter

appstat200

Description counter app stat 200

Type: number

Format: counter

appstat201

Description counter app stat 201

Type: number

Format: counter

appstat202

Description counter app stat 202

Type: number

Format: counter

appstat203

Description counter app stat 203

Type: number

Format: counter

appstat204

Description counter app stat 204

Type: number

Format: counter

appstat205

Description counter app stat 205

Type: number

Format: counter

appstat206

Description counter app stat 206

Type: number

Format: counter

appstat207

Description counter app stat 207

Type: number

Format: counter

appstat208

Description counter app stat 208

Type: number

Format: counter

appstat209

Description counter app stat 209

Type: number

Format: counter

appstat21

Description counter app stat 21

Type: number

Format: counter

appstat210

Description counter app stat 210

Type: number

Format: counter

appstat211

Description counter app stat 211

Type: number

Format: counter

appstat212

Description counter app stat 212

Type: number

Format: counter

appstat213

Description counter app stat 213

Type: number

Format: counter

appstat214

Description counter app stat 214

Type: number

Format: counter

appstat215

Description counter app stat 215

Type: number

Format: counter

appstat216

Description counter app stat 216

Type: number

Format: counter

appstat217

Description counter app stat 217

Type: number

Format: counter

appstat218

Description counter app stat 218

Type: number

Format: counter

appstat219

Description counter app stat 219

Type: number

Format: counter

appstat22

Description counter app stat 22

Type: number

Format: counter

appstat220

Description counter app stat 220

Type: number

Format: counter

appstat221

Description counter app stat 221

Type: number

Format: counter

appstat222

Description counter app stat 222

Type: number

Format: counter

appstat223

Description counter app stat 223

Type: number

Format: counter

appstat224

Description counter app stat 224

Type: number

Format: counter

appstat225

Description counter app stat 225

Type: number

Format: counter

appstat226

Description counter app stat 226

Type: number

Format: counter

appstat227

Description counter app stat 227

Type: number

Format: counter

appstat228

Description counter app stat 228

Type: number

Format: counter

appstat229

Description counter app stat 229

Type: number

Format: counter

appstat23

Description counter app stat 23

Type: number

Format: counter

appstat230

Description counter app stat 230

Type: number

Format: counter

appstat231

Description counter app stat 231

Type: number

Format: counter

appstat232

Description counter app stat 232

Type: number

Format: counter

appstat233

Description counter app stat 233

Type: number

Format: counter

appstat234

Description counter app stat 234

Type: number

Format: counter

appstat235

Description counter app stat 235

Type: number

Format: counter

appstat236

Description counter app stat 236

Type: number

Format: counter

appstat237

Description counter app stat 237

Type: number

Format: counter

appstat238

Description counter app stat 238

Type: number

Format: counter

appstat239

Description counter app stat 239

Type: number

Format: counter

appstat24

Description counter app stat 24

Type: number

Format: counter

appstat240

Description counter app stat 240

Type: number

Format: counter

appstat241

Description counter app stat 241

Type: number

Format: counter

appstat242

Description counter app stat 242

Type: number

Format: counter

appstat243

Description counter app stat 243

Type: number

Format: counter

appstat244

Description counter app stat 244

Type: number

Format: counter

appstat245

Description counter app stat 245

Type: number

Format: counter

appstat246

Description counter app stat 246

Type: number

Format: counter

appstat247

Description counter app stat 247

Type: number

Format: counter

appstat248

Description counter app stat 248

Type: number

Format: counter

appstat249

Description counter app stat 249

Type: number

Format: counter

appstat25

Description counter app stat 25

Type: number

Format: counter

appstat250

Description counter app stat 250

Type: number

Format: counter

appstat251

Description counter app stat 251

Type: number

Format: counter

appstat252

Description counter app stat 252

Type: number

Format: counter

appstat253

Description counter app stat 253

Type: number

Format: counter

appstat254

Description counter app stat 254

Type: number

Format: counter

appstat255

Description counter app stat 255

Type: number

Format: counter

appstat256

Description counter app stat 256

Type: number

Format: counter

appstat257

Description counter app stat 257

Type: number

Format: counter

appstat258

Description counter app stat 258

Type: number

Format: counter

appstat259

Description counter app stat 259

Type: number

Format: counter

appstat26

Description counter app stat 26

Type: number

Format: counter

appstat260

Description counter app stat 260

Type: number

Format: counter

appstat261

Description counter app stat 261

Type: number

Format: counter

appstat262

Description counter app stat 262

Type: number

Format: counter

appstat263

Description counter app stat 263

Type: number

Format: counter

appstat264

Description counter app stat 264

Type: number

Format: counter

appstat265

Description counter app stat 265

Type: number

Format: counter

appstat266

Description counter app stat 266

Type: number

Format: counter

appstat267

Description counter app stat 267

Type: number

Format: counter

appstat268

Description counter app stat 268

Type: number

Format: counter

appstat269

Description counter app stat 269

Type: number

Format: counter

appstat27

Description counter app stat 27

Type: number

Format: counter

appstat270

Description counter app stat 270

Type: number

Format: counter

appstat271

Description counter app stat 271

Type: number

Format: counter

appstat272

Description counter app stat 272

Type: number

Format: counter

appstat273

Description counter app stat 273

Type: number

Format: counter

appstat274

Description counter app stat 274

Type: number

Format: counter

appstat275

Description counter app stat 275

Type: number

Format: counter

appstat276

Description counter app stat 276

Type: number

Format: counter

appstat277

Description counter app stat 277

Type: number

Format: counter

appstat278

Description counter app stat 278

Type: number

Format: counter

appstat279

Description counter app stat 279

Type: number

Format: counter

appstat28

Description counter app stat 28

Type: number

Format: counter

appstat280

Description counter app stat 280

Type: number

Format: counter

appstat281

Description counter app stat 281

Type: number

Format: counter

appstat282

Description counter app stat 282

Type: number

Format: counter

appstat283

Description counter app stat 283

Type: number

Format: counter

appstat284

Description counter app stat 284

Type: number

Format: counter

appstat285

Description counter app stat 285

Type: number

Format: counter

appstat286

Description counter app stat 286

Type: number

Format: counter

appstat287

Description counter app stat 287

Type: number

Format: counter

appstat288

Description counter app stat 288

Type: number

Format: counter

appstat289

Description counter app stat 289

Type: number

Format: counter

appstat29

Description counter app stat 29

Type: number

Format: counter

appstat290

Description counter app stat 290

Type: number

Format: counter

appstat291

Description counter app stat 291

Type: number

Format: counter

appstat292

Description counter app stat 292

Type: number

Format: counter

appstat293

Description counter app stat 293

Type: number

Format: counter

appstat294

Description counter app stat 294

Type: number

Format: counter

appstat295

Description counter app stat 295

Type: number

Format: counter

appstat296

Description counter app stat 296

Type: number

Format: counter

appstat297

Description counter app stat 297

Type: number

Format: counter

appstat298

Description counter app stat 298

Type: number

Format: counter

appstat299

Description counter app stat 299

Type: number

Format: counter

appstat3

Description counter app stat 3

Type: number

Format: counter

appstat30

Description counter app stat 30

Type: number

Format: counter

appstat300

Description counter app stat 300

Type: number

Format: counter

appstat301

Description counter app stat 301

Type: number

Format: counter

appstat302

Description counter app stat 302

Type: number

Format: counter

appstat303

Description counter app stat 303

Type: number

Format: counter

appstat304

Description counter app stat 304

Type: number

Format: counter

appstat305

Description counter app stat 305

Type: number

Format: counter

appstat306

Description counter app stat 306

Type: number

Format: counter

appstat307

Description counter app stat 307

Type: number

Format: counter

appstat308

Description counter app stat 308

Type: number

Format: counter

appstat309

Description counter app stat 309

Type: number

Format: counter

appstat31

Description counter app stat 31

Type: number

Format: counter

appstat310

Description counter app stat 310

Type: number

Format: counter

appstat311

Description counter app stat 311

Type: number

Format: counter

appstat312

Description counter app stat 312

Type: number

Format: counter

appstat313

Description counter app stat 313

Type: number

Format: counter

appstat314

Description counter app stat 314

Type: number

Format: counter

appstat315

Description counter app stat 315

Type: number

Format: counter

appstat316

Description counter app stat 316

Type: number

Format: counter

appstat317

Description counter app stat 317

Type: number

Format: counter

appstat318

Description counter app stat 318

Type: number

Format: counter

appstat319

Description counter app stat 319

Type: number

Format: counter

appstat32

Description counter app stat 32

Type: number

Format: counter

appstat320

Description counter app stat 320

Type: number

Format: counter

appstat321

Description counter app stat 321

Type: number

Format: counter

appstat322

Description counter app stat 322

Type: number

Format: counter

appstat323

Description counter app stat 323

Type: number

Format: counter

appstat324

Description counter app stat 324

Type: number

Format: counter

appstat325

Description counter app stat 325

Type: number

Format: counter

appstat326

Description counter app stat 326

Type: number

Format: counter

appstat327

Description counter app stat 327

Type: number

Format: counter

appstat328

Description counter app stat 328

Type: number

Format: counter

appstat329

Description counter app stat 329

Type: number

Format: counter

appstat33

Description counter app stat 33

Type: number

Format: counter

appstat330

Description counter app stat 330

Type: number

Format: counter

appstat331

Description counter app stat 331

Type: number

Format: counter

appstat332

Description counter app stat 332

Type: number

Format: counter

appstat333

Description counter app stat 333

Type: number

Format: counter

appstat334

Description counter app stat 334

Type: number

Format: counter

appstat335

Description counter app stat 335

Type: number

Format: counter

appstat336

Description counter app stat 336

Type: number

Format: counter

appstat337

Description counter app stat 337

Type: number

Format: counter

appstat338

Description counter app stat 338

Type: number

Format: counter

appstat339

Description counter app stat 339

Type: number

Format: counter

appstat34

Description counter app stat 34

Type: number

Format: counter

appstat340

Description counter app stat 340

Type: number

Format: counter

appstat341

Description counter app stat 341

Type: number

Format: counter

appstat342

Description counter app stat 342

Type: number

Format: counter

appstat343

Description counter app stat 343

Type: number

Format: counter

appstat344

Description counter app stat 344

Type: number

Format: counter

appstat345

Description counter app stat 345

Type: number

Format: counter

appstat346

Description counter app stat 346

Type: number

Format: counter

appstat347

Description counter app stat 347

Type: number

Format: counter

appstat348

Description counter app stat 348

Type: number

Format: counter

appstat349

Description counter app stat 349

Type: number

Format: counter

appstat35

Description counter app stat 35

Type: number

Format: counter

appstat350

Description counter app stat 350

Type: number

Format: counter

appstat351

Description counter app stat 351

Type: number

Format: counter

appstat352

Description counter app stat 352

Type: number

Format: counter

appstat353

Description counter app stat 353

Type: number

Format: counter

appstat354

Description counter app stat 354

Type: number

Format: counter

appstat355

Description counter app stat 355

Type: number

Format: counter

appstat356

Description counter app stat 356

Type: number

Format: counter

appstat357

Description counter app stat 357

Type: number

Format: counter

appstat358

Description counter app stat 358

Type: number

Format: counter

appstat359

Description counter app stat 359

Type: number

Format: counter

appstat36

Description counter app stat 36

Type: number

Format: counter

appstat360

Description counter app stat 360

Type: number

Format: counter

appstat361

Description counter app stat 361

Type: number

Format: counter

appstat362

Description counter app stat 362

Type: number

Format: counter

appstat363

Description counter app stat 363

Type: number

Format: counter

appstat364

Description counter app stat 364

Type: number

Format: counter

appstat365

Description counter app stat 365

Type: number

Format: counter

appstat366

Description counter app stat 366

Type: number

Format: counter

appstat367

Description counter app stat 367

Type: number

Format: counter

appstat368

Description counter app stat 368

Type: number

Format: counter

appstat369

Description counter app stat 369

Type: number

Format: counter

appstat37

Description counter app stat 37

Type: number

Format: counter

appstat370

Description counter app stat 370

Type: number

Format: counter

appstat371

Description counter app stat 371

Type: number

Format: counter

appstat372

Description counter app stat 372

Type: number

Format: counter

appstat373

Description counter app stat 373

Type: number

Format: counter

appstat374

Description counter app stat 374

Type: number

Format: counter

appstat375

Description counter app stat 375

Type: number

Format: counter

appstat376

Description counter app stat 376

Type: number

Format: counter

appstat377

Description counter app stat 377

Type: number

Format: counter

appstat378

Description counter app stat 378

Type: number

Format: counter

appstat379

Description counter app stat 379

Type: number

Format: counter

appstat38

Description counter app stat 38

Type: number

Format: counter

appstat380

Description counter app stat 380

Type: number

Format: counter

appstat381

Description counter app stat 381

Type: number

Format: counter

appstat382

Description counter app stat 382

Type: number

Format: counter

appstat383

Description counter app stat 383

Type: number

Format: counter

appstat384

Description counter app stat 384

Type: number

Format: counter

appstat385

Description counter app stat 385

Type: number

Format: counter

appstat386

Description counter app stat 386

Type: number

Format: counter

appstat387

Description counter app stat 387

Type: number

Format: counter

appstat388

Description counter app stat 388

Type: number

Format: counter

appstat389

Description counter app stat 389

Type: number

Format: counter

appstat39

Description counter app stat 39

Type: number

Format: counter

appstat390

Description counter app stat 390

Type: number

Format: counter

appstat391

Description counter app stat 391

Type: number

Format: counter

appstat392

Description counter app stat 392

Type: number

Format: counter

appstat393

Description counter app stat 393

Type: number

Format: counter

appstat394

Description counter app stat 394

Type: number

Format: counter

appstat395

Description counter app stat 395

Type: number

Format: counter

appstat396

Description counter app stat 396

Type: number

Format: counter

appstat397

Description counter app stat 397

Type: number

Format: counter

appstat398

Description counter app stat 398

Type: number

Format: counter

appstat399

Description counter app stat 399

Type: number

Format: counter

appstat4

Description counter app stat 4

Type: number

Format: counter

appstat40

Description counter app stat 40

Type: number

Format: counter

appstat400

Description counter app stat 400

Type: number

Format: counter

appstat401

Description counter app stat 401

Type: number

Format: counter

appstat402

Description counter app stat 402

Type: number

Format: counter

appstat403

Description counter app stat 403

Type: number

Format: counter

appstat404

Description counter app stat 404

Type: number

Format: counter

appstat405

Description counter app stat 405

Type: number

Format: counter

appstat406

Description counter app stat 406

Type: number

Format: counter

appstat407

Description counter app stat 407

Type: number

Format: counter

appstat408

Description counter app stat 408

Type: number

Format: counter

appstat409

Description counter app stat 409

Type: number

Format: counter

appstat41

Description counter app stat 41

Type: number

Format: counter

appstat410

Description counter app stat 410

Type: number

Format: counter

appstat411

Description counter app stat 411

Type: number

Format: counter

appstat412

Description counter app stat 412

Type: number

Format: counter

appstat413

Description counter app stat 413

Type: number

Format: counter

appstat414

Description counter app stat 414

Type: number

Format: counter

appstat415

Description counter app stat 415

Type: number

Format: counter

appstat416

Description counter app stat 416

Type: number

Format: counter

appstat417

Description counter app stat 417

Type: number

Format: counter

appstat418

Description counter app stat 418

Type: number

Format: counter

appstat419

Description counter app stat 419

Type: number

Format: counter

appstat42

Description counter app stat 42

Type: number

Format: counter

appstat420

Description counter app stat 420

Type: number

Format: counter

appstat421

Description counter app stat 421

Type: number

Format: counter

appstat422

Description counter app stat 422

Type: number

Format: counter

appstat423

Description counter app stat 423

Type: number

Format: counter

appstat424

Description counter app stat 424

Type: number

Format: counter

appstat425

Description counter app stat 425

Type: number

Format: counter

appstat426

Description counter app stat 426

Type: number

Format: counter

appstat427

Description counter app stat 427

Type: number

Format: counter

appstat428

Description counter app stat 428

Type: number

Format: counter

appstat429

Description counter app stat 429

Type: number

Format: counter

appstat43

Description counter app stat 43

Type: number

Format: counter

appstat430

Description counter app stat 430

Type: number

Format: counter

appstat431

Description counter app stat 431

Type: number

Format: counter

appstat432

Description counter app stat 432

Type: number

Format: counter

appstat433

Description counter app stat 433

Type: number

Format: counter

appstat434

Description counter app stat 434

Type: number

Format: counter

appstat435

Description counter app stat 435

Type: number

Format: counter

appstat436

Description counter app stat 436

Type: number

Format: counter

appstat437

Description counter app stat 437

Type: number

Format: counter

appstat438

Description counter app stat 438

Type: number

Format: counter

appstat439

Description counter app stat 439

Type: number

Format: counter

appstat44

Description counter app stat 44

Type: number

Format: counter

appstat440

Description counter app stat 440

Type: number

Format: counter

appstat441

Description counter app stat 441

Type: number

Format: counter

appstat442

Description counter app stat 442

Type: number

Format: counter

appstat443

Description counter app stat 443

Type: number

Format: counter

appstat444

Description counter app stat 444

Type: number

Format: counter

appstat445

Description counter app stat 445

Type: number

Format: counter

appstat446

Description counter app stat 446

Type: number

Format: counter

appstat447

Description counter app stat 447

Type: number

Format: counter

appstat448

Description counter app stat 448

Type: number

Format: counter

appstat449

Description counter app stat 449

Type: number

Format: counter

appstat45

Description counter app stat 45

Type: number

Format: counter

appstat450

Description counter app stat 450

Type: number

Format: counter

appstat451

Description counter app stat 451

Type: number

Format: counter

appstat452

Description counter app stat 452

Type: number

Format: counter

appstat453

Description counter app stat 453

Type: number

Format: counter

appstat454

Description counter app stat 454

Type: number

Format: counter

appstat455

Description counter app stat 455

Type: number

Format: counter

appstat456

Description counter app stat 456

Type: number

Format: counter

appstat457

Description counter app stat 457

Type: number

Format: counter

appstat458

Description counter app stat 458

Type: number

Format: counter

appstat459

Description counter app stat 459

Type: number

Format: counter

appstat46

Description counter app stat 46

Type: number

Format: counter

appstat460

Description counter app stat 460

Type: number

Format: counter

appstat461

Description counter app stat 461

Type: number

Format: counter

appstat462

Description counter app stat 462

Type: number

Format: counter

appstat463

Description counter app stat 463

Type: number

Format: counter

appstat464

Description counter app stat 464

Type: number

Format: counter

appstat465

Description counter app stat 465

Type: number

Format: counter

appstat466

Description counter app stat 466

Type: number

Format: counter

appstat467

Description counter app stat 467

Type: number

Format: counter

appstat468

Description counter app stat 468

Type: number

Format: counter

appstat469

Description counter app stat 469

Type: number

Format: counter

appstat47

Description counter app stat 47

Type: number

Format: counter

appstat470

Description counter app stat 470

Type: number

Format: counter

appstat471

Description counter app stat 471

Type: number

Format: counter

appstat472

Description counter app stat 472

Type: number

Format: counter

appstat473

Description counter app stat 473

Type: number

Format: counter

appstat474

Description counter app stat 474

Type: number

Format: counter

appstat475

Description counter app stat 475

Type: number

Format: counter

appstat476

Description counter app stat 476

Type: number

Format: counter

appstat477

Description counter app stat 477

Type: number

Format: counter

appstat478

Description counter app stat 478

Type: number

Format: counter

appstat479

Description counter app stat 479

Type: number

Format: counter

appstat48

Description counter app stat 48

Type: number

Format: counter

appstat480

Description counter app stat 480

Type: number

Format: counter

appstat481

Description counter app stat 481

Type: number

Format: counter

appstat482

Description counter app stat 482

Type: number

Format: counter

appstat483

Description counter app stat 483

Type: number

Format: counter

appstat484

Description counter app stat 484

Type: number

Format: counter

appstat485

Description counter app stat 485

Type: number

Format: counter

appstat486

Description counter app stat 486

Type: number

Format: counter

appstat487

Description counter app stat 487

Type: number

Format: counter

appstat488

Description counter app stat 488

Type: number

Format: counter

appstat489

Description counter app stat 489

Type: number

Format: counter

appstat49

Description counter app stat 49

Type: number

Format: counter

appstat490

Description counter app stat 490

Type: number

Format: counter

appstat491

Description counter app stat 491

Type: number

Format: counter

appstat492

Description counter app stat 492

Type: number

Format: counter

appstat493

Description counter app stat 493

Type: number

Format: counter

appstat494

Description counter app stat 494

Type: number

Format: counter

appstat495

Description counter app stat 495

Type: number

Format: counter

appstat496

Description counter app stat 496

Type: number

Format: counter

appstat497

Description counter app stat 497

Type: number

Format: counter

appstat498

Description counter app stat 498

Type: number

Format: counter

appstat499

Description counter app stat 499

Type: number

Format: counter

appstat5

Description counter app stat 5

Type: number

Format: counter

appstat50

Description counter app stat 50

Type: number

Format: counter

appstat500

Description counter app stat 500

Type: number

Format: counter

appstat501

Description counter app stat 501

Type: number

Format: counter

appstat502

Description counter app stat 502

Type: number

Format: counter

appstat503

Description counter app stat 503

Type: number

Format: counter

appstat504

Description counter app stat 504

Type: number

Format: counter

appstat505

Description counter app stat 505

Type: number

Format: counter

appstat506

Description counter app stat 506

Type: number

Format: counter

appstat507

Description counter app stat 507

Type: number

Format: counter

appstat508

Description counter app stat 508

Type: number

Format: counter

appstat509

Description counter app stat 509

Type: number

Format: counter

appstat51

Description counter app stat 51

Type: number

Format: counter

appstat510

Description counter app stat 510

Type: number

Format: counter

appstat511

Description counter app stat 511

Type: number

Format: counter

appstat52

Description counter app stat 52

Type: number

Format: counter

appstat53

Description counter app stat 53

Type: number

Format: counter

appstat54

Description counter app stat 54

Type: number

Format: counter

appstat55

Description counter app stat 55

Type: number

Format: counter

appstat56

Description counter app stat 56

Type: number

Format: counter

appstat57

Description counter app stat 57

Type: number

Format: counter

appstat58

Description counter app stat 58

Type: number

Format: counter

appstat59

Description counter app stat 59

Type: number

Format: counter

appstat6

Description counter app stat 6

Type: number

Format: counter

appstat60

Description counter app stat 60

Type: number

Format: counter

appstat61

Description counter app stat 61

Type: number

Format: counter

appstat62

Description counter app stat 62

Type: number

Format: counter

appstat63

Description counter app stat 63

Type: number

Format: counter

appstat64

Description counter app stat 64

Type: number

Format: counter

appstat65

Description counter app stat 65

Type: number

Format: counter

appstat66

Description counter app stat 66

Type: number

Format: counter

appstat67

Description counter app stat 67

Type: number

Format: counter

appstat68

Description counter app stat 68

Type: number

Format: counter

appstat69

Description counter app stat 69

Type: number

Format: counter

appstat7

Description counter app stat 7

Type: number

Format: counter

appstat70

Description counter app stat 70

Type: number

Format: counter

appstat71

Description counter app stat 71

Type: number

Format: counter

appstat72

Description counter app stat 72

Type: number

Format: counter

appstat73

Description counter app stat 73

Type: number

Format: counter

appstat74

Description counter app stat 74

Type: number

Format: counter

appstat75

Description counter app stat 75

Type: number

Format: counter

appstat76

Description counter app stat 76

Type: number

Format: counter

appstat77

Description counter app stat 77

Type: number

Format: counter

appstat78

Description counter app stat 78

Type: number

Format: counter

appstat79

Description counter app stat 79

Type: number

Format: counter

appstat8

Description counter app stat 8

Type: number

Format: counter

appstat80

Description counter app stat 80

Type: number

Format: counter

appstat81

Description counter app stat 81

Type: number

Format: counter

appstat82

Description counter app stat 82

Type: number

Format: counter

appstat83

Description counter app stat 83

Type: number

Format: counter

appstat84

Description counter app stat 84

Type: number

Format: counter

appstat85

Description counter app stat 85

Type: number

Format: counter

appstat86

Description counter app stat 86

Type: number

Format: counter

appstat87

Description counter app stat 87

Type: number

Format: counter

appstat88

Description counter app stat 88

Type: number

Format: counter

appstat89

Description counter app stat 89

Type: number

Format: counter

appstat9

Description counter app stat 9

Type: number

Format: counter

appstat90

Description counter app stat 90

Type: number

Format: counter

appstat91

Description counter app stat 91

Type: number

Format: counter

appstat92

Description counter app stat 92

Type: number

Format: counter

appstat93

Description counter app stat 93

Type: number

Format: counter

appstat94

Description counter app stat 94

Type: number

Format: counter

appstat95

Description counter app stat 95

Type: number

Format: counter

appstat96

Description counter app stat 96

Type: number

Format: counter

appstat97

Description counter app stat 97

Type: number

Format: counter

appstat98

Description counter app stat 98

Type: number

Format: counter

appstat99

Description counter app stat 99

Type: number

Format: counter

track-app-rule-list

Specification	Value
Type	*object*

stats

Description: stats is a **JSON Block**. Please see below for *track-app-rule-list_stats*

Type: Object

track-app-rule-list_stats

Specification	Value
Type	*object*

dummy

Description Entry for a10countergen

Type: number

Format: counter

rule-list

Specification	Value
Type	*list*
Block object keys	

name

Description Rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *rule-list_stats*

Type: Object

rule-list_stats

Specification	Value
Type	*object*

active-session-icmp

Description Active ICMP session counter

Type: number

Format: counter

active-session-other

Description Active other protocol session counter

Type: number

Format: counter

active-session-sctp

Description Active SCTP session counter

Type: number

Format: counter

active-session-tcp

Description Active TCP session counter

Type: number

Format: counter

active-session-udp

Description Active UDP session counter

Type: number

Format: counter

deny-bytes

Description Denied bytes counter

Type: number

Format: counter

deny-packets

Description Denied packets counter

Type: number

Format: counter

hit-count

Description Hit counts

Type: number

Format: counter

hitcount-timestamp

Description Last hit counts timestamp

Type: number

Format: counter

permit-bytes

Description Permitted bytes counter

Type: number

Format: counter

permit-packets

Description Permitted packets counter

Type: number

Format: counter

rate-limit-drops

Description Rate Limit Drops

Type: number

Format: counter

reset-bytes

Description Reset bytes counter

Type: number

Format: counter

reset-packets

Description Reset packets counter

Type: number

Format: counter

session-icmp

Description ICMP session counter

Type: number

Format: counter

session-other

Description Other protocol session counter

Type: number

Format: counter

session-sctp

Description SCTP session counter

Type: number

Format: counter

session-tcp

Description TCP session counter

Type: number

Format: counter

session-udp

Description UDP session counter

Type: number

Format: counter

syn-cookie-syn-ack-sent

Description SYN cookie SYN ACK sent

Type: number

Format: counter

syn-cookie-verification-failed

Description SYN cookie verification failed

Type: number

Format: counter

syn-cookie-verification-passed

Description SYN cookie verification passed

Type: number

Format: counter

tcp-half-open-count

Description TCP half open sessions matching the rule

Type: number

Format: counter

tag

Specification	Value
Type	*object*

stats

Description: stats is a **JSON Block**. Please see below for *tag_stats*

Type: Object

tag_stats

Specification	Value
Type	*object*

categorystat1

Description counter app category stat 1

Type: number

Format: counter

categorystat10

Description counter app category stat 10

Type: number

Format: counter

categorystat100

Description counter app category stat 100

Type: number

Format: counter

categorystat101

Description counter app category stat 101

Type: number

Format: counter

categorystat102

Description counter app category stat 102

Type: number

Format: counter

categorystat103

Description counter app category stat 103

Type: number

Format: counter

categorystat104

Description counter app category stat 104

Type: number

Format: counter

categorystat105

Description counter app category stat 105

Type: number

Format: counter

categorystat106

Description counter app category stat 106

Type: number

Format: counter

categorystat107

Description counter app category stat 107

Type: number

Format: counter

categorystat108

Description counter app category stat 108

Type: number

Format: counter

categorystat109

Description counter app category stat 109

Type: number

Format: counter

categorystat11

Description counter app category stat 11

Type: number

Format: counter

categorystat110

Description counter app category stat 110

Type: number

Format: counter

categorystat111

Description counter app category stat 111

Type: number

Format: counter

categorystat112

Description counter app category stat 112

Type: number

Format: counter

categorystat113

Description counter app category stat 113

Type: number

Format: counter

categorystat114

Description counter app category stat 114

Type: number

Format: counter

categorystat115

Description counter app category stat 115

Type: number

Format: counter

categorystat116

Description counter app category stat 116

Type: number

Format: counter

categorystat117

Description counter app category stat 117

Type: number

Format: counter

categorystat118

Description counter app category stat 118

Type: number

Format: counter

categorystat119

Description counter app category stat 119

Type: number

Format: counter

categorystat12

Description counter app category stat 12

Type: number

Format: counter

categorystat120

Description counter app category stat 120

Type: number

Format: counter

categorystat121

Description counter app category stat 121

Type: number

Format: counter

categorystat122

Description counter app category stat 122

Type: number

Format: counter

categorystat123

Description counter app category stat 123

Type: number

Format: counter

categorystat124

Description counter app category stat 124

Type: number

Format: counter

categorystat125

Description counter app category stat 125

Type: number

Format: counter

categorystat126

Description counter app category stat 126

Type: number

Format: counter

categorystat127

Description counter app category stat 127

Type: number

Format: counter

categorystat128

Description counter app category stat 128

Type: number

Format: counter

categorystat129

Description counter app category stat 129

Type: number

Format: counter

categorystat13

Description counter app category stat 13

Type: number

Format: counter

categorystat130

Description counter app category stat 130

Type: number

Format: counter

categorystat131

Description counter app category stat 131

Type: number

Format: counter

categorystat132

Description counter app category stat 132

Type: number

Format: counter

categorystat133

Description counter app category stat 133

Type: number

Format: counter

categorystat134

Description counter app category stat 134

Type: number

Format: counter

categorystat135

Description counter app category stat 135

Type: number

Format: counter

categorystat136

Description counter app category stat 136

Type: number

Format: counter

categorystat137

Description counter app category stat 137

Type: number

Format: counter

categorystat138

Description counter app category stat 138

Type: number

Format: counter

categorystat139

Description counter app category stat 139

Type: number

Format: counter

categorystat14

Description counter app category stat 14

Type: number

Format: counter

categorystat140

Description counter app category stat 140

Type: number

Format: counter

categorystat141

Description counter app category stat 141

Type: number

Format: counter

categorystat142

Description counter app category stat 142

Type: number

Format: counter

categorystat143

Description counter app category stat 143

Type: number

Format: counter

categorystat144

Description counter app category stat 144

Type: number

Format: counter

categorystat145

Description counter app category stat 145

Type: number

Format: counter

categorystat146

Description counter app category stat 146

Type: number

Format: counter

categorystat147

Description counter app category stat 147

Type: number

Format: counter

categorystat148

Description counter app category stat 148

Type: number

Format: counter

categorystat149

Description counter app category stat 149

Type: number

Format: counter

categorystat15

Description counter app category stat 15

Type: number

Format: counter

categorystat150

Description counter app category stat 150

Type: number

Format: counter

categorystat151

Description counter app category stat 151

Type: number

Format: counter

categorystat152

Description counter app category stat 152

Type: number

Format: counter

categorystat153

Description counter app category stat 153

Type: number

Format: counter

categorystat154

Description counter app category stat 154

Type: number

Format: counter

categorystat155

Description counter app category stat 155

Type: number

Format: counter

categorystat156

Description counter app category stat 156

Type: number

Format: counter

categorystat157

Description counter app category stat 157

Type: number

Format: counter

categorystat158

Description counter app category stat 158

Type: number

Format: counter

categorystat159

Description counter app category stat 159

Type: number

Format: counter

categorystat16

Description counter app category stat 16

Type: number

Format: counter

categorystat160

Description counter app category stat 160

Type: number

Format: counter

categorystat161

Description counter app category stat 161

Type: number

Format: counter

categorystat162

Description counter app category stat 162

Type: number

Format: counter

categorystat163

Description counter app category stat 163

Type: number

Format: counter

categorystat164

Description counter app category stat 164

Type: number

Format: counter

categorystat165

Description counter app category stat 165

Type: number

Format: counter

categorystat166

Description counter app category stat 166

Type: number

Format: counter

categorystat167

Description counter app category stat 167

Type: number

Format: counter

categorystat168

Description counter app category stat 168

Type: number

Format: counter

categorystat169

Description counter app category stat 169

Type: number

Format: counter

categorystat17

Description counter app category stat 17

Type: number

Format: counter

categorystat170

Description counter app category stat 170

Type: number

Format: counter

categorystat171

Description counter app category stat 171

Type: number

Format: counter

categorystat172

Description counter app category stat 172

Type: number

Format: counter

categorystat173

Description counter app category stat 173

Type: number

Format: counter

categorystat174

Description counter app category stat 174

Type: number

Format: counter

categorystat175

Description counter app category stat 175

Type: number

Format: counter

categorystat176

Description counter app category stat 176

Type: number

Format: counter

categorystat177

Description counter app category stat 177

Type: number

Format: counter

categorystat178

Description counter app category stat 178

Type: number

Format: counter

categorystat179

Description counter app category stat 179

Type: number

Format: counter

categorystat18

Description counter app category stat 18

Type: number

Format: counter

categorystat180

Description counter app category stat 180

Type: number

Format: counter

categorystat181

Description counter app category stat 181

Type: number

Format: counter

categorystat182

Description counter app category stat 182

Type: number

Format: counter

categorystat183

Description counter app category stat 183

Type: number

Format: counter

categorystat184

Description counter app category stat 184

Type: number

Format: counter

categorystat185

Description counter app category stat 185

Type: number

Format: counter

categorystat186

Description counter app category stat 186

Type: number

Format: counter

categorystat187

Description counter app category stat 187

Type: number

Format: counter

categorystat188

Description counter app category stat 188

Type: number

Format: counter

categorystat189

Description counter app category stat 189

Type: number

Format: counter

categorystat19

Description counter app category stat 19

Type: number

Format: counter

categorystat190

Description counter app category stat 190

Type: number

Format: counter

categorystat191

Description counter app category stat 191

Type: number

Format: counter

categorystat192

Description counter app category stat 192

Type: number

Format: counter

categorystat193

Description counter app category stat 193

Type: number

Format: counter

categorystat194

Description counter app category stat 194

Type: number

Format: counter

categorystat195

Description counter app category stat 195

Type: number

Format: counter

categorystat196

Description counter app category stat 196

Type: number

Format: counter

categorystat197

Description counter app category stat 197

Type: number

Format: counter

categorystat198

Description counter app category stat 198

Type: number

Format: counter

categorystat199

Description counter app category stat 199

Type: number

Format: counter

categorystat2

Description counter app category stat 2

Type: number

Format: counter

categorystat20

Description counter app category stat 20

Type: number

Format: counter

categorystat200

Description counter app category stat 200

Type: number

Format: counter

categorystat201

Description counter app category stat 201

Type: number

Format: counter

categorystat202

Description counter app category stat 202

Type: number

Format: counter

categorystat203

Description counter app category stat 203

Type: number

Format: counter

categorystat204

Description counter app category stat 204

Type: number

Format: counter

categorystat205

Description counter app category stat 205

Type: number

Format: counter

categorystat206

Description counter app category stat 206

Type: number

Format: counter

categorystat207

Description counter app category stat 207

Type: number

Format: counter

categorystat208

Description counter app category stat 208

Type: number

Format: counter

categorystat209

Description counter app category stat 209

Type: number

Format: counter

categorystat21

Description counter app category stat 21

Type: number

Format: counter

categorystat210

Description counter app category stat 210

Type: number

Format: counter

categorystat211

Description counter app category stat 211

Type: number

Format: counter

categorystat212

Description counter app category stat 212

Type: number

Format: counter

categorystat213

Description counter app category stat 213

Type: number

Format: counter

categorystat214

Description counter app category stat 214

Type: number

Format: counter

categorystat215

Description counter app category stat 215

Type: number

Format: counter

categorystat216

Description counter app category stat 216

Type: number

Format: counter

categorystat217

Description counter app category stat 217

Type: number

Format: counter

categorystat218

Description counter app category stat 218

Type: number

Format: counter

categorystat219

Description counter app category stat 219

Type: number

Format: counter

categorystat22

Description counter app category stat 22

Type: number

Format: counter

categorystat220

Description counter app category stat 220

Type: number

Format: counter

categorystat221

Description counter app category stat 221

Type: number

Format: counter

categorystat222

Description counter app category stat 222

Type: number

Format: counter

categorystat223

Description counter app category stat 223

Type: number

Format: counter

categorystat224

Description counter app category stat 224

Type: number

Format: counter

categorystat225

Description counter app category stat 225

Type: number

Format: counter

categorystat226

Description counter app category stat 226

Type: number

Format: counter

categorystat227

Description counter app category stat 227

Type: number

Format: counter

categorystat228

Description counter app category stat 228

Type: number

Format: counter

categorystat229

Description counter app category stat 229

Type: number

Format: counter

categorystat23

Description counter app category stat 23

Type: number

Format: counter

categorystat230

Description counter app category stat 230

Type: number

Format: counter

categorystat231

Description counter app category stat 231

Type: number

Format: counter

categorystat232

Description counter app category stat 232

Type: number

Format: counter

categorystat233

Description counter app category stat 233

Type: number

Format: counter

categorystat234

Description counter app category stat 234

Type: number

Format: counter

categorystat235

Description counter app category stat 235

Type: number

Format: counter

categorystat236

Description counter app category stat 236

Type: number

Format: counter

categorystat237

Description counter app category stat 237

Type: number

Format: counter

categorystat238

Description counter app category stat 238

Type: number

Format: counter

categorystat239

Description counter app category stat 239

Type: number

Format: counter

categorystat24

Description counter app category stat 24

Type: number

Format: counter

categorystat240

Description counter app category stat 240

Type: number

Format: counter

categorystat241

Description counter app category stat 241

Type: number

Format: counter

categorystat242

Description counter app category stat 242

Type: number

Format: counter

categorystat243

Description counter app category stat 243

Type: number

Format: counter

categorystat244

Description counter app category stat 244

Type: number

Format: counter

categorystat245

Description counter app category stat 245

Type: number

Format: counter

categorystat246

Description counter app category stat 246

Type: number

Format: counter

categorystat247

Description counter app category stat 247

Type: number

Format: counter

categorystat248

Description counter app category stat 248

Type: number

Format: counter

categorystat249

Description counter app category stat 249

Type: number

Format: counter

categorystat25

Description counter app category stat 25

Type: number

Format: counter

categorystat250

Description counter app category stat 250

Type: number

Format: counter

categorystat251

Description counter app category stat 251

Type: number

Format: counter

categorystat252

Description counter app category stat 252

Type: number

Format: counter

categorystat253

Description counter app category stat 253

Type: number

Format: counter

categorystat254

Description counter app category stat 254

Type: number

Format: counter

categorystat255

Description counter app category stat 255

Type: number

Format: counter

categorystat256

Description counter app category stat 255

Type: number

Format: counter

categorystat26

Description counter app category stat 26

Type: number

Format: counter

categorystat27

Description counter app category stat 27

Type: number

Format: counter

categorystat28

Description counter app category stat 28

Type: number

Format: counter

categorystat29

Description counter app category stat 29

Type: number

Format: counter

categorystat3

Description counter app category stat 3

Type: number

Format: counter

categorystat30

Description counter app category stat 30

Type: number

Format: counter

categorystat31

Description counter app category stat 31

Type: number

Format: counter

categorystat32

Description counter app category stat 32

Type: number

Format: counter

categorystat33

Description counter app category stat 33

Type: number

Format: counter

categorystat34

Description counter app category stat 34

Type: number

Format: counter

categorystat35

Description counter app category stat 35

Type: number

Format: counter

categorystat36

Description counter app category stat 36

Type: number

Format: counter

categorystat37

Description counter app category stat 37

Type: number

Format: counter

categorystat38

Description counter app category stat 38

Type: number

Format: counter

categorystat39

Description counter app category stat 39

Type: number

Format: counter

categorystat4

Description counter app category stat 4

Type: number

Format: counter

categorystat40

Description counter app category stat 40

Type: number

Format: counter

categorystat41

Description counter app category stat 41

Type: number

Format: counter

categorystat42

Description counter app category stat 42

Type: number

Format: counter

categorystat43

Description counter app category stat 43

Type: number

Format: counter

categorystat44

Description counter app category stat 44

Type: number

Format: counter

categorystat45

Description counter app category stat 45

Type: number

Format: counter

categorystat46

Description counter app category stat 46

Type: number

Format: counter

categorystat47

Description counter app category stat 47

Type: number

Format: counter

categorystat48

Description counter app category stat 48

Type: number

Format: counter

categorystat49

Description counter app category stat 49

Type: number

Format: counter

categorystat5

Description counter app category stat 5

Type: number

Format: counter

categorystat50

Description counter app category stat 50

Type: number

Format: counter

categorystat51

Description counter app category stat 51

Type: number

Format: counter

categorystat52

Description counter app category stat 52

Type: number

Format: counter

categorystat53

Description counter app category stat 53

Type: number

Format: counter

categorystat54

Description counter app category stat 54

Type: number

Format: counter

categorystat55

Description counter app category stat 55

Type: number

Format: counter

categorystat56

Description counter app category stat 56

Type: number

Format: counter

categorystat57

Description counter app category stat 57

Type: number

Format: counter

categorystat58

Description counter app category stat 58

Type: number

Format: counter

categorystat59

Description counter app category stat 59

Type: number

Format: counter

categorystat6

Description counter app category stat 6

Type: number

Format: counter

categorystat60

Description counter app category stat 60

Type: number

Format: counter

categorystat61

Description counter app category stat 61

Type: number

Format: counter

categorystat62

Description counter app category stat 62

Type: number

Format: counter

categorystat63

Description counter app category stat 63

Type: number

Format: counter

categorystat64

Description counter app category stat 64

Type: number

Format: counter

categorystat65

Description counter app category stat 65

Type: number

Format: counter

categorystat66

Description counter app category stat 66

Type: number

Format: counter

categorystat67

Description counter app category stat 67

Type: number

Format: counter

categorystat68

Description counter app category stat 68

Type: number

Format: counter

categorystat69

Description counter app category stat 69

Type: number

Format: counter

categorystat7

Description counter app category stat 7

Type: number

Format: counter

categorystat70

Description counter app category stat 70

Type: number

Format: counter

categorystat71

Description counter app category stat 71

Type: number

Format: counter

categorystat72

Description counter app category stat 72

Type: number

Format: counter

categorystat73

Description counter app category stat 73

Type: number

Format: counter

categorystat74

Description counter app category stat 74

Type: number

Format: counter

categorystat75

Description counter app category stat 75

Type: number

Format: counter

categorystat76

Description counter app category stat 76

Type: number

Format: counter

categorystat77

Description counter app category stat 77

Type: number

Format: counter

categorystat78

Description counter app category stat 78

Type: number

Format: counter

categorystat79

Description counter app category stat 79

Type: number

Format: counter

categorystat8

Description counter app category stat 8

Type: number

Format: counter

categorystat80

Description counter app category stat 80

Type: number

Format: counter

categorystat81

Description counter app category stat 81

Type: number

Format: counter

categorystat82

Description counter app category stat 82

Type: number

Format: counter

categorystat83

Description counter app category stat 83

Type: number

Format: counter

categorystat84

Description counter app category stat 84

Type: number

Format: counter

categorystat85

Description counter app category stat 85

Type: number

Format: counter

categorystat86

Description counter app category stat 86

Type: number

Format: counter

categorystat87

Description counter app category stat 87

Type: number

Format: counter

categorystat88

Description counter app category stat 88

Type: number

Format: counter

categorystat89

Description counter app category stat 89

Type: number

Format: counter

categorystat9

Description counter app category stat 9

Type: number

Format: counter

categorystat90

Description counter app category stat 90

Type: number

Format: counter

categorystat91

Description counter app category stat 91

Type: number

Format: counter

categorystat92

Description counter app category stat 92

Type: number

Format: counter

categorystat93

Description counter app category stat 93

Type: number

Format: counter

categorystat94

Description counter app category stat 94

Type: number

Format: counter

categorystat95

Description counter app category stat 95

Type: number

Format: counter

categorystat96

Description counter app category stat 96

Type: number

Format: counter

categorystat97

Description counter app category stat 97

Type: number

Format: counter

categorystat98

Description counter app category stat 98

Type: number

Format: counter

categorystat99

Description counter app category stat 99

Type: number

Format: counter

rules-by-zone

Specification	Value
Type	*object*

stats

Description: stats is a **JSON Block**. Please see below for *rules-by-zone_stats*

Type: Object

rules-by-zone_stats

Specification	Value
Type	*object*

dummy

Description Entry for a10countergen

Type: number

Format: counter

2.109.15 rule-set tag

Application Tag statistics in Rule Set

tag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tag
Element URI	/axapi/v3/rule-set/{name}/tag
Element Attributes	tag_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/rule-set/{name}/tag/stats
Schema	`tag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/tag

tag attributes

Get Object

GET

/axapi/v3/rule-set/{name}/tag

tag attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/tag

tag attributes

tag attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.109.16 rule-set tag stats

Statistics for the object tag

tag Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tag
Element URI	/axapi/v3/rule-set/{name}/tag/stats
Element Attributes	tag_attributes
Partition Visibility	None
Schema	`tag schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/tag/stats

tag attributes

Get Object

GET

/axapi/v3/rule-set/{name}/tag/stats

tag attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/tag/stats

tag attributes

tag attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

categorystat1

Description counter app category stat 1

Type: number

Format: counter

categorystat10

Description counter app category stat 10

Type: number

Format: counter

categorystat100

Description counter app category stat 100

Type: number

Format: counter

categorystat101

Description counter app category stat 101

Type: number

Format: counter

categorystat102

Description counter app category stat 102

Type: number

Format: counter

categorystat103

Description counter app category stat 103

Type: number

Format: counter

categorystat104

Description counter app category stat 104

Type: number

Format: counter

categorystat105

Description counter app category stat 105

Type: number

Format: counter

categorystat106

Description counter app category stat 106

Type: number

Format: counter

categorystat107

Description counter app category stat 107

Type: number

Format: counter

categorystat108

Description counter app category stat 108

Type: number

Format: counter

categorystat109

Description counter app category stat 109

Type: number

Format: counter

categorystat11

Description counter app category stat 11

Type: number

Format: counter

categorystat110

Description counter app category stat 110

Type: number

Format: counter

categorystat111

Description counter app category stat 111

Type: number

Format: counter

categorystat112

Description counter app category stat 112

Type: number

Format: counter

categorystat113

Description counter app category stat 113

Type: number

Format: counter

categorystat114

Description counter app category stat 114

Type: number

Format: counter

categorystat115

Description counter app category stat 115

Type: number

Format: counter

categorystat116

Description counter app category stat 116

Type: number

Format: counter

categorystat117

Description counter app category stat 117

Type: number

Format: counter

categorystat118

Description counter app category stat 118

Type: number

Format: counter

categorystat119

Description counter app category stat 119

Type: number

Format: counter

categorystat12

Description counter app category stat 12

Type: number

Format: counter

categorystat120

Description counter app category stat 120

Type: number

Format: counter

categorystat121

Description counter app category stat 121

Type: number

Format: counter

categorystat122

Description counter app category stat 122

Type: number

Format: counter

categorystat123

Description counter app category stat 123

Type: number

Format: counter

categorystat124

Description counter app category stat 124

Type: number

Format: counter

categorystat125

Description counter app category stat 125

Type: number

Format: counter

categorystat126

Description counter app category stat 126

Type: number

Format: counter

categorystat127

Description counter app category stat 127

Type: number

Format: counter

categorystat128

Description counter app category stat 128

Type: number

Format: counter

categorystat129

Description counter app category stat 129

Type: number

Format: counter

categorystat13

Description counter app category stat 13

Type: number

Format: counter

categorystat130

Description counter app category stat 130

Type: number

Format: counter

categorystat131

Description counter app category stat 131

Type: number

Format: counter

categorystat132

Description counter app category stat 132

Type: number

Format: counter

categorystat133

Description counter app category stat 133

Type: number

Format: counter

categorystat134

Description counter app category stat 134

Type: number

Format: counter

categorystat135

Description counter app category stat 135

Type: number

Format: counter

categorystat136

Description counter app category stat 136

Type: number

Format: counter

categorystat137

Description counter app category stat 137

Type: number

Format: counter

categorystat138

Description counter app category stat 138

Type: number

Format: counter

categorystat139

Description counter app category stat 139

Type: number

Format: counter

categorystat14

Description counter app category stat 14

Type: number

Format: counter

categorystat140

Description counter app category stat 140

Type: number

Format: counter

categorystat141

Description counter app category stat 141

Type: number

Format: counter

categorystat142

Description counter app category stat 142

Type: number

Format: counter

categorystat143

Description counter app category stat 143

Type: number

Format: counter

categorystat144

Description counter app category stat 144

Type: number

Format: counter

categorystat145

Description counter app category stat 145

Type: number

Format: counter

categorystat146

Description counter app category stat 146

Type: number

Format: counter

categorystat147

Description counter app category stat 147

Type: number

Format: counter

categorystat148

Description counter app category stat 148

Type: number

Format: counter

categorystat149

Description counter app category stat 149

Type: number

Format: counter

categorystat15

Description counter app category stat 15

Type: number

Format: counter

categorystat150

Description counter app category stat 150

Type: number

Format: counter

categorystat151

Description counter app category stat 151

Type: number

Format: counter

categorystat152

Description counter app category stat 152

Type: number

Format: counter

categorystat153

Description counter app category stat 153

Type: number

Format: counter

categorystat154

Description counter app category stat 154

Type: number

Format: counter

categorystat155

Description counter app category stat 155

Type: number

Format: counter

categorystat156

Description counter app category stat 156

Type: number

Format: counter

categorystat157

Description counter app category stat 157

Type: number

Format: counter

categorystat158

Description counter app category stat 158

Type: number

Format: counter

categorystat159

Description counter app category stat 159

Type: number

Format: counter

categorystat16

Description counter app category stat 16

Type: number

Format: counter

categorystat160

Description counter app category stat 160

Type: number

Format: counter

categorystat161

Description counter app category stat 161

Type: number

Format: counter

categorystat162

Description counter app category stat 162

Type: number

Format: counter

categorystat163

Description counter app category stat 163

Type: number

Format: counter

categorystat164

Description counter app category stat 164

Type: number

Format: counter

categorystat165

Description counter app category stat 165

Type: number

Format: counter

categorystat166

Description counter app category stat 166

Type: number

Format: counter

categorystat167

Description counter app category stat 167

Type: number

Format: counter

categorystat168

Description counter app category stat 168

Type: number

Format: counter

categorystat169

Description counter app category stat 169

Type: number

Format: counter

categorystat17

Description counter app category stat 17

Type: number

Format: counter

categorystat170

Description counter app category stat 170

Type: number

Format: counter

categorystat171

Description counter app category stat 171

Type: number

Format: counter

categorystat172

Description counter app category stat 172

Type: number

Format: counter

categorystat173

Description counter app category stat 173

Type: number

Format: counter

categorystat174

Description counter app category stat 174

Type: number

Format: counter

categorystat175

Description counter app category stat 175

Type: number

Format: counter

categorystat176

Description counter app category stat 176

Type: number

Format: counter

categorystat177

Description counter app category stat 177

Type: number

Format: counter

categorystat178

Description counter app category stat 178

Type: number

Format: counter

categorystat179

Description counter app category stat 179

Type: number

Format: counter

categorystat18

Description counter app category stat 18

Type: number

Format: counter

categorystat180

Description counter app category stat 180

Type: number

Format: counter

categorystat181

Description counter app category stat 181

Type: number

Format: counter

categorystat182

Description counter app category stat 182

Type: number

Format: counter

categorystat183

Description counter app category stat 183

Type: number

Format: counter

categorystat184

Description counter app category stat 184

Type: number

Format: counter

categorystat185

Description counter app category stat 185

Type: number

Format: counter

categorystat186

Description counter app category stat 186

Type: number

Format: counter

categorystat187

Description counter app category stat 187

Type: number

Format: counter

categorystat188

Description counter app category stat 188

Type: number

Format: counter

categorystat189

Description counter app category stat 189

Type: number

Format: counter

categorystat19

Description counter app category stat 19

Type: number

Format: counter

categorystat190

Description counter app category stat 190

Type: number

Format: counter

categorystat191

Description counter app category stat 191

Type: number

Format: counter

categorystat192

Description counter app category stat 192

Type: number

Format: counter

categorystat193

Description counter app category stat 193

Type: number

Format: counter

categorystat194

Description counter app category stat 194

Type: number

Format: counter

categorystat195

Description counter app category stat 195

Type: number

Format: counter

categorystat196

Description counter app category stat 196

Type: number

Format: counter

categorystat197

Description counter app category stat 197

Type: number

Format: counter

categorystat198

Description counter app category stat 198

Type: number

Format: counter

categorystat199

Description counter app category stat 199

Type: number

Format: counter

categorystat2

Description counter app category stat 2

Type: number

Format: counter

categorystat20

Description counter app category stat 20

Type: number

Format: counter

categorystat200

Description counter app category stat 200

Type: number

Format: counter

categorystat201

Description counter app category stat 201

Type: number

Format: counter

categorystat202

Description counter app category stat 202

Type: number

Format: counter

categorystat203

Description counter app category stat 203

Type: number

Format: counter

categorystat204

Description counter app category stat 204

Type: number

Format: counter

categorystat205

Description counter app category stat 205

Type: number

Format: counter

categorystat206

Description counter app category stat 206

Type: number

Format: counter

categorystat207

Description counter app category stat 207

Type: number

Format: counter

categorystat208

Description counter app category stat 208

Type: number

Format: counter

categorystat209

Description counter app category stat 209

Type: number

Format: counter

categorystat21

Description counter app category stat 21

Type: number

Format: counter

categorystat210

Description counter app category stat 210

Type: number

Format: counter

categorystat211

Description counter app category stat 211

Type: number

Format: counter

categorystat212

Description counter app category stat 212

Type: number

Format: counter

categorystat213

Description counter app category stat 213

Type: number

Format: counter

categorystat214

Description counter app category stat 214

Type: number

Format: counter

categorystat215

Description counter app category stat 215

Type: number

Format: counter

categorystat216

Description counter app category stat 216

Type: number

Format: counter

categorystat217

Description counter app category stat 217

Type: number

Format: counter

categorystat218

Description counter app category stat 218

Type: number

Format: counter

categorystat219

Description counter app category stat 219

Type: number

Format: counter

categorystat22

Description counter app category stat 22

Type: number

Format: counter

categorystat220

Description counter app category stat 220

Type: number

Format: counter

categorystat221

Description counter app category stat 221

Type: number

Format: counter

categorystat222

Description counter app category stat 222

Type: number

Format: counter

categorystat223

Description counter app category stat 223

Type: number

Format: counter

categorystat224

Description counter app category stat 224

Type: number

Format: counter

categorystat225

Description counter app category stat 225

Type: number

Format: counter

categorystat226

Description counter app category stat 226

Type: number

Format: counter

categorystat227

Description counter app category stat 227

Type: number

Format: counter

categorystat228

Description counter app category stat 228

Type: number

Format: counter

categorystat229

Description counter app category stat 229

Type: number

Format: counter

categorystat23

Description counter app category stat 23

Type: number

Format: counter

categorystat230

Description counter app category stat 230

Type: number

Format: counter

categorystat231

Description counter app category stat 231

Type: number

Format: counter

categorystat232

Description counter app category stat 232

Type: number

Format: counter

categorystat233

Description counter app category stat 233

Type: number

Format: counter

categorystat234

Description counter app category stat 234

Type: number

Format: counter

categorystat235

Description counter app category stat 235

Type: number

Format: counter

categorystat236

Description counter app category stat 236

Type: number

Format: counter

categorystat237

Description counter app category stat 237

Type: number

Format: counter

categorystat238

Description counter app category stat 238

Type: number

Format: counter

categorystat239

Description counter app category stat 239

Type: number

Format: counter

categorystat24

Description counter app category stat 24

Type: number

Format: counter

categorystat240

Description counter app category stat 240

Type: number

Format: counter

categorystat241

Description counter app category stat 241

Type: number

Format: counter

categorystat242

Description counter app category stat 242

Type: number

Format: counter

categorystat243

Description counter app category stat 243

Type: number

Format: counter

categorystat244

Description counter app category stat 244

Type: number

Format: counter

categorystat245

Description counter app category stat 245

Type: number

Format: counter

categorystat246

Description counter app category stat 246

Type: number

Format: counter

categorystat247

Description counter app category stat 247

Type: number

Format: counter

categorystat248

Description counter app category stat 248

Type: number

Format: counter

categorystat249

Description counter app category stat 249

Type: number

Format: counter

categorystat25

Description counter app category stat 25

Type: number

Format: counter

categorystat250

Description counter app category stat 250

Type: number

Format: counter

categorystat251

Description counter app category stat 251

Type: number

Format: counter

categorystat252

Description counter app category stat 252

Type: number

Format: counter

categorystat253

Description counter app category stat 253

Type: number

Format: counter

categorystat254

Description counter app category stat 254

Type: number

Format: counter

categorystat255

Description counter app category stat 255

Type: number

Format: counter

categorystat256

Description counter app category stat 255

Type: number

Format: counter

categorystat26

Description counter app category stat 26

Type: number

Format: counter

categorystat27

Description counter app category stat 27

Type: number

Format: counter

categorystat28

Description counter app category stat 28

Type: number

Format: counter

categorystat29

Description counter app category stat 29

Type: number

Format: counter

categorystat3

Description counter app category stat 3

Type: number

Format: counter

categorystat30

Description counter app category stat 30

Type: number

Format: counter

categorystat31

Description counter app category stat 31

Type: number

Format: counter

categorystat32

Description counter app category stat 32

Type: number

Format: counter

categorystat33

Description counter app category stat 33

Type: number

Format: counter

categorystat34

Description counter app category stat 34

Type: number

Format: counter

categorystat35

Description counter app category stat 35

Type: number

Format: counter

categorystat36

Description counter app category stat 36

Type: number

Format: counter

categorystat37

Description counter app category stat 37

Type: number

Format: counter

categorystat38

Description counter app category stat 38

Type: number

Format: counter

categorystat39

Description counter app category stat 39

Type: number

Format: counter

categorystat4

Description counter app category stat 4

Type: number

Format: counter

categorystat40

Description counter app category stat 40

Type: number

Format: counter

categorystat41

Description counter app category stat 41

Type: number

Format: counter

categorystat42

Description counter app category stat 42

Type: number

Format: counter

categorystat43

Description counter app category stat 43

Type: number

Format: counter

categorystat44

Description counter app category stat 44

Type: number

Format: counter

categorystat45

Description counter app category stat 45

Type: number

Format: counter

categorystat46

Description counter app category stat 46

Type: number

Format: counter

categorystat47

Description counter app category stat 47

Type: number

Format: counter

categorystat48

Description counter app category stat 48

Type: number

Format: counter

categorystat49

Description counter app category stat 49

Type: number

Format: counter

categorystat5

Description counter app category stat 5

Type: number

Format: counter

categorystat50

Description counter app category stat 50

Type: number

Format: counter

categorystat51

Description counter app category stat 51

Type: number

Format: counter

categorystat52

Description counter app category stat 52

Type: number

Format: counter

categorystat53

Description counter app category stat 53

Type: number

Format: counter

categorystat54

Description counter app category stat 54

Type: number

Format: counter

categorystat55

Description counter app category stat 55

Type: number

Format: counter

categorystat56

Description counter app category stat 56

Type: number

Format: counter

categorystat57

Description counter app category stat 57

Type: number

Format: counter

categorystat58

Description counter app category stat 58

Type: number

Format: counter

categorystat59

Description counter app category stat 59

Type: number

Format: counter

categorystat6

Description counter app category stat 6

Type: number

Format: counter

categorystat60

Description counter app category stat 60

Type: number

Format: counter

categorystat61

Description counter app category stat 61

Type: number

Format: counter

categorystat62

Description counter app category stat 62

Type: number

Format: counter

categorystat63

Description counter app category stat 63

Type: number

Format: counter

categorystat64

Description counter app category stat 64

Type: number

Format: counter

categorystat65

Description counter app category stat 65

Type: number

Format: counter

categorystat66

Description counter app category stat 66

Type: number

Format: counter

categorystat67

Description counter app category stat 67

Type: number

Format: counter

categorystat68

Description counter app category stat 68

Type: number

Format: counter

categorystat69

Description counter app category stat 69

Type: number

Format: counter

categorystat7

Description counter app category stat 7

Type: number

Format: counter

categorystat70

Description counter app category stat 70

Type: number

Format: counter

categorystat71

Description counter app category stat 71

Type: number

Format: counter

categorystat72

Description counter app category stat 72

Type: number

Format: counter

categorystat73

Description counter app category stat 73

Type: number

Format: counter

categorystat74

Description counter app category stat 74

Type: number

Format: counter

categorystat75

Description counter app category stat 75

Type: number

Format: counter

categorystat76

Description counter app category stat 76

Type: number

Format: counter

categorystat77

Description counter app category stat 77

Type: number

Format: counter

categorystat78

Description counter app category stat 78

Type: number

Format: counter

categorystat79

Description counter app category stat 79

Type: number

Format: counter

categorystat8

Description counter app category stat 8

Type: number

Format: counter

categorystat80

Description counter app category stat 80

Type: number

Format: counter

categorystat81

Description counter app category stat 81

Type: number

Format: counter

categorystat82

Description counter app category stat 82

Type: number

Format: counter

categorystat83

Description counter app category stat 83

Type: number

Format: counter

categorystat84

Description counter app category stat 84

Type: number

Format: counter

categorystat85

Description counter app category stat 85

Type: number

Format: counter

categorystat86

Description counter app category stat 86

Type: number

Format: counter

categorystat87

Description counter app category stat 87

Type: number

Format: counter

categorystat88

Description counter app category stat 88

Type: number

Format: counter

categorystat89

Description counter app category stat 89

Type: number

Format: counter

categorystat9

Description counter app category stat 9

Type: number

Format: counter

categorystat90

Description counter app category stat 90

Type: number

Format: counter

categorystat91

Description counter app category stat 91

Type: number

Format: counter

categorystat92

Description counter app category stat 92

Type: number

Format: counter

categorystat93

Description counter app category stat 93

Type: number

Format: counter

categorystat94

Description counter app category stat 94

Type: number

Format: counter

categorystat95

Description counter app category stat 95

Type: number

Format: counter

categorystat96

Description counter app category stat 96

Type: number

Format: counter

categorystat97

Description counter app category stat 97

Type: number

Format: counter

categorystat98

Description counter app category stat 98

Type: number

Format: counter

categorystat99

Description counter app category stat 99

Type: number

Format: counter

2.109.17 rule-set track-app-rule-list

track-app-rule-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	track-app-rule-list
Element URI	/axapi/v3/rule-set/{name}/track-app-rule-list
Element Attributes	track-app-rule-list_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/rule-set/{name}/track-app-rule-list/stats
Operational Data URI	/axapi/v3/rule-set/{name}/track-app-rule-list/oper
Schema	`track-app-rule-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/track-app-rule-list

track-app-rule-list attributes

Get Object

GET

/axapi/v3/rule-set/{name}/track-app-rule-list

track-app-rule-list attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/track-app-rule-list

track-app-rule-list attributes

track-app-rule-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.109.18 rule-set track-app-rule-list oper

Operational Status for the object track-app-rule-list

track-app-rule-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	track-app-rule-list
Element URI	/axapi/v3/rule-set/{name}/track-app-rule-list/oper
Element Attributes	track-app-rule-list_attributes
Partition Visibility	None
Schema	`track-app-rule-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/track-app-rule-list/oper

track-app-rule-list attributes

Get Object

GET

/axapi/v3/rule-set/{name}/track-app-rule-list/oper

track-app-rule-list attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/track-app-rule-list/oper

track-app-rule-list attributes

Replace Object

PUT

/axapi/v3/rule-set/{name}/track-app-rule-list/oper

track-app-rule-list attributes

Delete Object

DELETE

/axapi/v3/rule-set/{name}/track-app-rule-list/oper

track-app-rule-list attributes

track-app-rule-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

rule-list

Type: List

oper_rule-list

Specification	Value
Type	*list*
Block object keys	

name

Description

Type: string

2.109.19 rule-set track-app-rule-list stats

Statistics for the object track-app-rule-list

track-app-rule-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	track-app-rule-list
Element URI	/axapi/v3/rule-set/{name}/track-app-rule-list/stats
Element Attributes	track-app-rule-list_attributes
Partition Visibility	None
Schema	`track-app-rule-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/rule-set/{name}/track-app-rule-list/stats

track-app-rule-list attributes

Get Object

GET

/axapi/v3/rule-set/{name}/track-app-rule-list/stats

track-app-rule-list attributes

Modify Object

POST

/axapi/v3/rule-set/{name}/track-app-rule-list/stats

track-app-rule-list attributes

track-app-rule-list attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

dummy

Description Entry for a10countergen

Type: number

Format: counter

2.110 running-config

Objects:

2.110.1 running-config

Configure the behaviour of show running config

running-config Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	running-config
Element URI	/axapi/v3/running-config
Element Attributes	running-config_attributes
Partition Visibility	shared
Schema	`running-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/running-config

running-config attributes

```
POST /axapi/v3/running-config
Payload:
{
    "running-config": {
        "aflex": 1
    }
}
```

Get Object

GET

/axapi/v3/running-config

running-config attributes

```
GET /axapi/v3/running-config
Reponse:
{
    "running-config": {
        "aflex": 1,
        "uuid": "3b783530-b6d5-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/running-config"
    }
}
```

Modify Object

POST

/axapi/v3/running-config

running-config attributes

Replace Object

PUT

/axapi/v3/running-config

running-config attributes

```
PUT /axapi/v3/running-config
Payload:
{
    "running-config": {
        "aflex": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/running-config

running-config attributes

running-config attributes

aflex

Description Show aFleX scripts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

class-list

Description Show class-list files

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111 scaleout

Objects:

2.111.1 scaleout

Configure scaleout

scaleout Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	scaleout
Element URI	/axapi/v3/scaleout
Element Attributes	scaleout_attributes
Partition Visibility	shared
Schema	`scaleout schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout

scaleout_attributes

scaleout attributes

active-user-group-assignment

Description: active-user-group-assignment is a **JSON Block**. Please see below for *active-user-group-assignment*

Type: Object

Reference Object: */axapi/v3/scaleout/active-user-group-assignment*

apps

Description: apps is a **JSON Block**. Please see below for *apps*

Type: Object

Reference Object: */axapi/v3/scaleout/apps*

cluster-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}*

debug

Description: debug is a **JSON Block**. Please see below for *debug*

Type: Object

Reference Object: */axapi/v3/scaleout/debug*

distributed-forwarding

Description: distributed-forwarding is a **JSON Block**. Please see below for *distributed-forwarding*

Type: Object

Reference Object: */axapi/v3/scaleout/distributed-forwarding*

status

Description: status is a **JSON Block**. Please see below for *status*

Type: Object

Reference Object: */axapi/v3/scaleout/status*

traffic-map

Description: traffic-map is a **JSON Block**. Please see below for *traffic-map*

Type: Object

Reference Object: */axapi/v3/scaleout/traffic-map*

user-group-assignment

Description: user-group-assignment is a **JSON Block**. Please see below for *user-group-assignment*

Type: Object

Reference Object: */axapi/v3/scaleout/user-group-assignment*

user-group-assignment-template-list

Type: List

Reference Object: */axapi/v3/scaleout/user-group-assignment-template/{name}*

status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

active-user-group-assignment

Specification	Value
Type	*object*

name

Description Scaleout user group assignment template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/scaleout/user-group-assignment-template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apps

Specification	Value
Type	*object*

enable

Description Enable Scaleout for apps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-mac-overwrite

Description: skip-mac-overwrite is a **JSON Block**. Please see below for *apps_skip-mac-overwrite*

Type: Object

Reference Object: */axapi/v3/scaleout/apps/skip-mac-overwrite*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apps_skip-mac-overwrite

Specification	Value
Type	*object*

enable

Description Skips overwriting dest MAC of flooded packets on Active node

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-map

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distributed-forwarding

Specification	Value
Type	*object*

cgn

Description: cgn is a **JSON Block**. Please see below for *distributed-forwarding_cgn*

Type: Object

Reference Object: */axapi/v3/scaleout/distributed-forwarding/cgn*

fw

Description: fw is a **JSON Block**. Please see below for *distributed-forwarding_fw*

Type: Object

Reference Object: */axapi/v3/scaleout/distributed-forwarding/fw*

slb

Description: slb is a **JSON Block**. Please see below for *distributed-forwarding_slb*

Type: Object

Reference Object: */axapi/v3/scaleout/distributed-forwarding/slb*

distributed-forwarding_fw

Specification	Value
Type	*object*

enable

Description Enable distributed-forwarding for Firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-offload-direction

Description 'uplink': Enable session offload only in uplink direction; 'downlink': Enable session offload in downlink direction; 'both': Enable session offload in both direction;

Type: string

Supported Values: uplink, downlink, both

Default: both

threshold

Description: threshold is a **JSON Block**. Please see below for *distributed-forwarding_fw_threshold*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distributed-forwarding_fw_threshold

Specification	Value
Type	*object*

global-threshold

Description configure packet threshold value to offload sessions of any(TCP and UDP) protocol(default 5)

Type: number

Range: 4-63

Default: 5

Mutual Exclusion: global-threshold and protocol-value are mutually exclusive

protocol-threshold

Type: List

distributed-forwarding_fw_threshold_protocol-threshold

Specification	Value
Type	*list*
Block object keys	

protocol-value

Description 'UDP': configure threshold for udp session offload; 'TCP': configure threshold for tcp session offload;

Type: string

Supported Values: UDP, TCP

Mutual Exclusion: protocol-value and global-threshold are mutually exclusive

threshold-value

Description configure packet threshold value to offload sessions(default 5)

Type: number

Range: 4-63

Default: 5

distributed-forwarding_slb

Specification	Value
Type	*object*

slb-value

Description 'enable': Enable SLB; 'disable': Disable SLB;

Type: string

Supported Values: enable, disable

Default: disable

tcp-threshold

Description configure packet threshold value to offload TCP sessions(default 5)

Type: number

Range: 4-63

Default: 5

udp-threshold

Description configure packet threshold value to offload UDP sessions(default 5)

Type: number

Range: 4-63

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

distributed-forwarding_cgn

Specification	Value
Type	*object*

enable

Description Enable distributed-forwarding for CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-group-assignment

Specification	Value
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *user-group-assignment_address*

Type: Object

Reference Object: */axapi/v3/scaleout/user-group-assignment/address*

template-info

Description: template-info is a **JSON Block**. Please see below for *user-group-assignment_template-info*

Type: Object

Reference Object: */axapi/v3/scaleout/user-group-assignment/template-info*

user-group-assignment_template-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-group-assignment_address

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug

Specification	Value
Type	*object*

cluster

Description: cluster is a **JSON Block**. Please see below for *debug_cluster*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/cluster*

hash-table

Description: hash-table is a **JSON Block**. Please see below for *debug_hash-table*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/hash-table*

info

Description: info is a **JSON Block**. Please see below for *debug_info*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/info*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *debug_ipv6*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6*

nat-list

Description: nat-list is a **JSON Block**. Please see below for *debug_nat-list*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/nat-list*

nat-map

Description: nat-map is a **JSON Block**. Please see below for *debug_nat-map*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/nat-map*

reachability

Description: reachability is a **JSON Block**. Please see below for *debug_reachability*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/reachability*

redirect-table

Description: redirect-table is a **JSON Block**. Please see below for *debug_redirect-table*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/redirect-table*

resource-tracking

Description: resource-tracking is a **JSON Block**. Please see below for *debug_resource-tracking*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/resource-tracking*

role

Description: role is a **JSON Block**. Please see below for *debug_role*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/role*

traffic-map

Description: traffic-map is a **JSON Block**. Please see below for *debug_traffic-map*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/traffic-map*

debug_info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_resource-tracking

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_cluster

Specification	Value
Type	*object*

database

Description: database is a **JSON Block**. Please see below for *debug_cluster_database*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/cluster/database*

status

Description: status is a **JSON Block**. Please see below for *debug_cluster_status*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/cluster/status*

debug_cluster_status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_cluster_database

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_nat-map

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_traffic-map

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_nat-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_reachability

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_role

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_redirect-table

Specification	Value
Type	*object*

l2

Description: l2 is a **JSON Block**. Please see below for *debug_redirect-table_l2*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/redirect-table/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *debug_redirect-table_l3*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/redirect-table/l3*

debug_redirect-table_l2

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_redirect-table_l3

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_ipv6

Specification	Value
Type	*object*

reachability

Description: reachability is a **JSON Block**. Please see below for *debug_ipv6_reachability*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/reachability*

redirect-table

Description: redirect-table is a **JSON Block**. Please see below for *debug_ipv6_redirect-table*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table*

debug_ipv6_reachability

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_ipv6_redirect-table

Specification	Value
Type	*object*

l2

Description: l2 is a **JSON Block**. Please see below for *debug_ipv6_redirect-table_l2*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *debug_ipv6_redirect-table_l3*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table/l3*

debug_ipv6_redirect-table_l2

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_ipv6_redirect-table_l3

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

debug_hash-table

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-group-assignment-template-list

Specification	Value
Type	*list*
Block object keys	

name

Description Scaleout User Group Assignment Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-assignment-list

Type: List

Reference Object: */axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment/{ipv4-prefix}*

v6-assignment-list

Type: List

Reference Object: */axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment/{ipv6-prefix}*

user-group-assignment-template-list_v6-assignment-list

Specification	Value
Type	*list*
Block object keys	

assignment-prefix-length

Description User group assignment prefix length, default is 128

Type: number

Range: 1-128

Default: 128

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

service-config-template

Description Configure a scaleout service config template to use

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

user-group-range-end

Description User group range end

Type: number

Range: 0-255

user-group-range-start

Description User group range start

Type: number

Range: 0-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-group-assignment-template-list_v4-assignment-list

Specification	Value
Type	*list*
Block object keys	

assignment-prefix-length

Description User group assignment prefix length, default is 32

Type: number

Range: 1-32

Default: 32

ipv4-prefix

Description IPv4 prefix

Type: string

Format: ipv4-cidr

service-config-template

Description

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

user-group-range-end

Description User group range end

Type: number

Range: 0-255

user-group-range-start

Description User group range start

Type: number

Range: 0-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list

Specification	Value
Type	*list*
Block object keys	

cluster-devices

Description: cluster-devices is a **JSON Block**. Please see below for *cluster-list_cluster-devices*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices*

cluster-id

Description Scaleout cluster-id

Type: number

Range: 1-64

db-config

Description: db-config is a **JSON Block**. Please see below for *cluster-list_db-config*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/db-config*

device-groups

Description: device-groups is a **JSON Block**. Please see below for *cluster-list_device-groups*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups*

local-device

Description: local-device is a **JSON Block**. Please see below for *cluster-list_local-device*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device*

service-config

Description: service-config is a **JSON Block**. Please see below for *cluster-list_service-config*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config*

slog-level

Description Set the level of slog for Scaleout

Type: number

Range: 1-8

Default: 5

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *cluster-list_tracking-template*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device

Specification	Value
Type	*object*

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

cluster-mode

Description 'layer-2': Nodes in cluster are layer 2 connected (default mode); 'layer-3': Nodes in cluster are l3 connected;

Type: string

Supported Values: layer-2, layer-3

Default: layer-2

exclude-interfaces

Description: exclude-interfaces is a **JSON Block**. Please see below for *cluster-list_local-device_exclude-interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces*

id

Description

Type: number

Range: 1-16

l2-redirect

Description: l2-redirect is a **JSON Block**. Please see below for *cluster-list_local-device_l2-redirect*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect*

priority

Description

Type: number

Range: 1-255

session-sync

Description: session-sync is a **JSON Block**. Please see below for *cluster-list_local-device_session-sync*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync*

start-delay

Description

Type: number

Range: 10-300

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *cluster-list_local-device_tracking-template*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template*

traffic-redirection

Description: traffic-redirection is a **JSON Block**. Please see below for *cluster-list_local-device_traffic-redirection*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_session-sync

Specification	Value
Type	*object*

follow-shared

Description Follow shared partition for session sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *cluster-list_local-device_session-sync_interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *cluster-list_local-device_session-sync_reachability-options*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_session-sync_interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

cluster-list_local-device_session-sync_interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

cluster-list_local-device_session-sync_interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

cluster-list_local-device_session-sync_interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

cluster-list_local-device_session-sync_interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

cluster-list_local-device_session-sync_reachability-options

Specification	Value
Type	*object*

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_exclude-interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

cluster-list_local-device_exclude-interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

cluster-list_local-device_exclude-interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

cluster-list_local-device_exclude-interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

cluster-list_local-device_exclude-interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

cluster-list_local-device_l2-redirect

Specification	Value
Type	*object*

ethernet-vlan

Description VLAN ID

Type: number

Range: 2-4094

redirect-eth

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: redirect-eth and redirect-trunk are mutually exclusive

redirect-trunk

Description L2 Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: redirect-trunk and redirect-eth are mutually exclusive

trunk-vlan

Description VLAN ID

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_traffic-redirection

Specification	Value
Type	*object*

encap

Description: encap is a **JSON Block**. Please see below for *cluster-list_local-device_traffic-redirection_encap*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap*

follow-shared

Description Follow shared partition for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *cluster-list_local-device_traffic-redirection_interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *cluster-list_local-device_traffic-redirection_reachability-options*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_traffic-redirection_interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

cluster-list_local-device_traffic-redirection_interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

cluster-list_local-device_traffic-redirection_interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

cluster-list_local-device_traffic-redirection_interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

cluster-list_local-device_traffic-redirection_interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

cluster-list_local-device_traffic-redirection_reachability-options

Specification	Value
Type	*object*

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_traffic-redirection_encap

Specification	Value
Type	*object*

type

Description 'vxlan': Use vxlan for encapsulation;

Type: string

Supported Values: vxlan

Default: vxlan

use-v4-vxlan

Description Always use IPv4 VxLAN for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_tracking-template

Specification	Value
Type	*object*

multi-template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}*

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}*

cluster-list_local-device_tracking-template_multi-template-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

multi-template

Description bind multi tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

template

Type: List

threshold

Description action triggering threshold

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_tracking-template_multi-template-list_template

Specification	Value
Type	*list*
Block object keys	

partition-name

Description Partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

template-name

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

cluster-list_local-device_tracking-template_template-list

Specification	Value
Type	*list*
Block object keys	

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_local-device_tracking-template_template-list_threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

cluster-list_cluster-devices

Specification	Value
Type	*object*

cluster-discovery-timeout

Description: cluster-discovery-timeout is a **JSON Block**. Please see below for *cluster-list_cluster-devices_cluster-discovery-timeout*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout*

device-id-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

minimum-nodes

Description: minimum-nodes is a **JSON Block**. Please see below for *cluster-list_cluster-devices_minimum-nodes*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_cluster-devices_cluster-discovery-timeout

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_cluster-devices_device-id-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

ip

Description

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_cluster-devices_minimum-nodes

Specification	Value
Type	*object*

minimum-nodes-num

Description Specify the minimum number of the node required to start service

Type: number

Range: 0-16

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_device-groups

Specification	Value
Type	*object*

device-group-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_device-groups_device-group-list

Specification	Value
Type	*list*
Block object keys	

device-group

Description scaleout device group

Type: number

Range: 1-16

device-id-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_device-groups_device-group-list_device-id-list

Specification	Value
Type	*list*
Block object keys	

device-id-end

Description

Type: number

device-id-start

Description

Type: number

cluster-list_service-config

Specification	Value
Type	*object*

default-user-group-count

Description Number of default traffic buckets

Type: number

Range: 64-256

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_service-config_template-list

Specification	Value
Type	*list*
Block object keys	

name

Description Scaleout template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-group-count

Description Number of traffic buckets

Type: number

Range: 1-256

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_db-config

Specification	Value
Type	*object*

broken-detect-timeout

Description database connection broken detection timeout (mseconds) (12000 mseconds for default)

Type: number

Range: 500-120000

Default: 12000

client-recv-timeout

Description

Type: number

Range: 50-100000

Default: 13000

clientPort

Description client session port

Type: number

Range: 100-65535

elect-conn-timeout

Description election connection timeout (mseconds) (1200 for default)

Type: number

Range: 50-15000

Default: 1200

initLimit

Description

Type: number

Range: 1-500

loopback-intf-support

Description support loopback interface for scaleout database (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

maxSessionTimeout

Description

Type: number

Range: 50-100000

Default: 30000

minSessionTimeout

Description

Type: number

Range: 50-100000

Default: 100

more-election-packet

Description send more election packet in election period (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

syncLimit

Description

Type: number

Range: 1-500

tickTime

Description

Type: number

Range: 50-10000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_tracking-template

Specification	Value
Type	*object*

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}*

cluster-list_tracking-template_template-list

Specification	Value
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-list_tracking-template_template-list_threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.111.2 scaleout active-user-group-assignment

Active scaleout user group assignment template

active-user-group-assignment Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	active-user-group-assignment
Element URI	/axapi/v3/scaleout/active-user-group-assignment
Element Attributes	active-user-group-assignment_attributes
Partition Visibility	shared
Schema	`active-user-group-assignment schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/active-user-group-assignment

active-user-group-assignment attributes

Get Object

GET

/axapi/v3/scaleout/active-user-group-assignment

active-user-group-assignment attributes

Modify Object

POST

/axapi/v3/scaleout/active-user-group-assignment

active-user-group-assignment attributes

Replace Object

PUT

/axapi/v3/scaleout/active-user-group-assignment

active-user-group-assignment attributes

Delete Object

DELETE

/axapi/v3/scaleout/active-user-group-assignment

active-user-group-assignment attributes

active-user-group-assignment attributes

name

Description Scaleout user group assignment template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/scaleout/user-group-assignment-template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.3 scaleout apps

Enable Scaleout for apps

apps Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	apps
Element URI	/axapi/v3/scaleout/apps
Element Attributes	apps_attributes
Partition Visibility	shared
Schema	`apps schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/apps

apps attributes

```
POST /axapi/v3/scaleout/apps
Payload:
{
    "apps": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/scaleout/apps

apps attributes

Modify Object

POST

/axapi/v3/scaleout/apps

apps attributes

Replace Object

PUT

/axapi/v3/scaleout/apps

apps attributes

Delete Object

DELETE

/axapi/v3/scaleout/apps

apps attributes

apps attributes

enable

Description Enable Scaleout for apps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-mac-overwrite

Description: skip-mac-overwrite is a **JSON Block**. Please see below for *skip-mac-overwrite*

Type: Object

Reference Object: */axapi/v3/scaleout/apps/skip-mac-overwrite*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

skip-mac-overwrite

Specification	Value
Type	*object*

enable

Description Skips overwriting dest MAC of flooded packets on Active node

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.4 scaleout apps skip-mac-overwrite

Skips overwriting dest MAC of flooded packets on Active node

skip-mac-overwrite Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	skip-mac-overwrite
Element URI	/axapi/v3/scaleout/apps/skip-mac-overwrite
Element Attributes	skip-mac-overwrite_attributes
Partition Visibility	shared
Schema	`skip-mac-overwrite schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

```
POST /axapi/v3/scaleout/apps/skip-mac-overwrite
Payload:
{
    "skip-mac-overwrite": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

```
GET /axapi/v3/scaleout/apps/skip-mac-overwrite
Reponse:
{
    "skip-mac-overwrite": {
        "enable": 1,
        "uuid": "86507018-b6d5-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/apps/skip-mac-overwrite"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

Replace Object

PUT

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

```
PUT /axapi/v3/scaleout/apps/skip-mac-overwrite
Payload:
{
    "skip-mac-overwrite": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/apps/skip-mac-overwrite

skip-mac-overwrite attributes

```
DELETE /axapi/v3/scaleout/apps/skip-mac-overwrite
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

skip-mac-overwrite attributes

enable

Description Skips overwriting dest MAC of flooded packets on Active node

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.5 scaleout cluster

Configure scaleout cluster

cluster Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*cluster-id*
Collection Name	*cluster-list*
Collection URI	/axapi/v3/scaleout/cluster
Element Name	cluster
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}
Element Attributes	cluster_attributes
Partition Visibility	shared
Schema	`cluster schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster

cluster attributes

```
POST /axapi/v3/scaleout/cluster/
Payload:
{
    "cluster": {
        "cluster-id": 1
    }
}
```

Create List

POST

/axapi/v3/scaleout/cluster

cluster attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}

cluster attributes

```
GET /axapi/v3/scaleout/cluster/1
Reponse:
{
    "cluster": {
        "cluster-id": 1,
        "uuid": "ab1a33ac-b6d5-11ef-8f5a-ae71681635d0",
        "db-config": {
            "uuid": "ab1b6876-b6d5-11ef-8f5a-ae71681635d0",
            "a10-url": "/axapi/v3/scaleout/cluster/1/db-config"
        },
        "a10-url": "/axapi/v3/scaleout/cluster/1"
    }
}
```

Get List

GET

/axapi/v3/scaleout/cluster

cluster-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}

cluster attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}

cluster attributes

```
PUT /axapi/v3/scaleout/cluster/1
Payload:
{
    "cluster": {
        "cluster-id": 1
    }
}
```

Replace List

PUT

/axapi/v3/scaleout/cluster

cluster-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}

cluster attributes

```
DELETE /axapi/v3/scaleout/cluster/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

cluster-list

cluster-list is **JSON List** of *cluster attributes*

cluster-list : [

{ *cluster attributes* },

{ *cluster attributes* },

...

]

cluster attributes

cluster-devices

Description: cluster-devices is a **JSON Block**. Please see below for *cluster-devices*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices*

cluster-id

Description Scaleout cluster-id

Type: number

Range: 1-64

db-config

Description: db-config is a **JSON Block**. Please see below for *db-config*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/db-config*

device-groups

Description: device-groups is a **JSON Block**. Please see below for *device-groups*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups*

local-device

Description: local-device is a **JSON Block**. Please see below for *local-device*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device*

service-config

Description: service-config is a **JSON Block**. Please see below for *service-config*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config*

slog-level

Description Set the level of slog for Scaleout

Type: number

Range: 1-8

Default: 5

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *tracking-template*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device

Specification	Value
Type	*object*

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

cluster-mode

Description 'layer-2': Nodes in cluster are layer 2 connected (default mode); 'layer-3': Nodes in cluster are l3 connected;

Type: string

Supported Values: layer-2, layer-3

Default: layer-2

exclude-interfaces

Description: exclude-interfaces is a **JSON Block**. Please see below for *local-device_exclude-interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces*

id

Description

Type: number

Range: 1-16

l2-redirect

Description: l2-redirect is a **JSON Block**. Please see below for *local-device_l2-redirect*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect*

priority

Description

Type: number

Range: 1-255

session-sync

Description: session-sync is a **JSON Block**. Please see below for *local-device_session-sync*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync*

start-delay

Description

Type: number

Range: 10-300

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *local-device_tracking-template*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template*

traffic-redirection

Description: traffic-redirection is a **JSON Block**. Please see below for *local-device_traffic-redirection*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_session-sync

Specification	Value
Type	*object*

follow-shared

Description Follow shared partition for session sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *local-device_session-sync_interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *local-device_session-sync_reachability-options*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_session-sync_interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

local-device_session-sync_interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

local-device_session-sync_interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

local-device_session-sync_interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

local-device_session-sync_interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

local-device_session-sync_reachability-options

Specification	Value
Type	*object*

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_exclude-interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

local-device_exclude-interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

local-device_exclude-interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

local-device_exclude-interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

local-device_exclude-interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

local-device_l2-redirect

Specification	Value
Type	*object*

ethernet-vlan

Description VLAN ID

Type: number

Range: 2-4094

redirect-eth

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: redirect-eth and redirect-trunk are mutually exclusive

redirect-trunk

Description L2 Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: redirect-trunk and redirect-eth are mutually exclusive

trunk-vlan

Description VLAN ID

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_traffic-redirection

Specification	Value
Type	*object*

encap

Description: encap is a **JSON Block**. Please see below for *local-device_traffic-redirection_encap*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap*

follow-shared

Description Follow shared partition for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *local-device_traffic-redirection_interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *local-device_traffic-redirection_reachability-options*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_traffic-redirection_interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

local-device_traffic-redirection_interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

local-device_traffic-redirection_interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

local-device_traffic-redirection_interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

local-device_traffic-redirection_interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

local-device_traffic-redirection_reachability-options

Specification	Value
Type	*object*

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_traffic-redirection_encap

Specification	Value
Type	*object*

type

Description 'vxlan': Use vxlan for encapsulation;

Type: string

Supported Values: vxlan

Default: vxlan

use-v4-vxlan

Description Always use IPv4 VxLAN for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_tracking-template

Specification	Value
Type	*object*

multi-template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}*

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}*

local-device_tracking-template_multi-template-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

multi-template

Description bind multi tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

template

Type: List

threshold

Description action triggering threshold

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_tracking-template_multi-template-list_template

Specification	Value
Type	*list*
Block object keys	

partition-name

Description Partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

template-name

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

local-device_tracking-template_template-list

Specification	Value
Type	*list*
Block object keys	

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-device_tracking-template_template-list_threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

cluster-devices

Specification	Value
Type	*object*

cluster-discovery-timeout

Description: cluster-discovery-timeout is a **JSON Block**. Please see below for *cluster-devices_cluster-discovery-timeout*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout*

device-id-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

minimum-nodes

Description: minimum-nodes is a **JSON Block**. Please see below for *cluster-devices_minimum-nodes*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-devices_cluster-discovery-timeout

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-devices_device-id-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

ip

Description

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-devices_minimum-nodes

Specification	Value
Type	*object*

minimum-nodes-num

Description Specify the minimum number of the node required to start service

Type: number

Range: 0-16

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-groups

Specification	Value
Type	*object*

device-group-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-groups_device-group-list

Specification	Value
Type	*list*
Block object keys	

device-group

Description scaleout device group

Type: number

Range: 1-16

device-id-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-groups_device-group-list_device-id-list

Specification	Value
Type	*list*
Block object keys	

device-id-end

Description

Type: number

device-id-start

Description

Type: number

service-config

Specification	Value
Type	*object*

default-user-group-count

Description Number of default traffic buckets

Type: number

Range: 64-256

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-config_template-list

Specification	Value
Type	*list*
Block object keys	

name

Description Scaleout template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-group-count

Description Number of traffic buckets

Type: number

Range: 1-256

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

db-config

Specification	Value
Type	*object*

broken-detect-timeout

Description database connection broken detection timeout (mseconds) (12000 mseconds for default)

Type: number

Range: 500-120000

Default: 12000

client-recv-timeout

Description

Type: number

Range: 50-100000

Default: 13000

clientPort

Description client session port

Type: number

Range: 100-65535

elect-conn-timeout

Description election connection timeout (mseconds) (1200 for default)

Type: number

Range: 50-15000

Default: 1200

initLimit

Description

Type: number

Range: 1-500

loopback-intf-support

Description support loopback interface for scaleout database (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

maxSessionTimeout

Description

Type: number

Range: 50-100000

Default: 30000

minSessionTimeout

Description

Type: number

Range: 50-100000

Default: 100

more-election-packet

Description send more election packet in election period (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

syncLimit

Description

Type: number

Range: 1-500

tickTime

Description

Type: number

Range: 50-10000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template

Specification	Value
Type	*object*

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}*

tracking-template_template-list

Specification	Value
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template_template-list_threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.111.6 scaleout cluster cluster-devices

Configure devices in the cluster

cluster-devices Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cluster-devices
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices
Element Attributes	cluster-devices_attributes
Partition Visibility	shared
Schema	`cluster-devices schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices

cluster-devices attributes

```
POST /axapi/v3/scaleout/cluster/1/cluster-devices
Payload:
{
    "cluster-devices": {
```

(continues on next page)

(continued from previous page)

```
        "minimum-nodes": {
            "minimum-nodes-num": 0
        }
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices

cluster-devices attributes

```
GET /axapi/v3/scaleout/cluster/1/cluster-devices
Reponse:
{
    "cluster-devices": {
        "uuid": "f2705c18-b6d5-11ef-8f5a-ae71681635d0",
        "minimum-nodes": {
            "minimum-nodes-num": 0,
            "uuid": "f270b050-b6d5-11ef-8f5a-ae71681635d0",
            "a10-url": "/axapi/v3/scaleout/cluster/1/cluster-devices/minimum-nodes"
        },
        "cluster-discovery-timeout": {
            "uuid": "f270e99e-b6d5-11ef-8f5a-ae71681635d0",
            "a10-url": "/axapi/v3/scaleout/cluster/1/cluster-devices/cluster-discovery-
↪timeout"
        },
        "a10-url": "/axapi/v3/scaleout/cluster/1/cluster-devices"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices

cluster-devices attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices

cluster-devices attributes

```
PUT /axapi/v3/scaleout/cluster/1/cluster-devices
Payload:
{
    "cluster-devices": {
        "minimum-nodes": {
            "minimum-nodes-num": 0
```

(continues on next page)

(continued from previous page)

```
        }
    }
}
```

cluster-devices attributes

cluster-discovery-timeout

Description: cluster-discovery-timeout is a **JSON Block**. Please see below for *cluster-discovery-timeout*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout*

device-id-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

minimum-nodes

Description: minimum-nodes is a **JSON Block**. Please see below for *minimum-nodes*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster-discovery-timeout

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-id-list

Specification	Value
Type	*list*
Block object keys	

action

Description ‘enable’: enable; ‘disable’: disable;

Type: string

Supported Values: enable, disable

Default: enable

ip

Description

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

minimum-nodes

Specification	Value
Type	*object*

minimum-nodes-num

Description Specify the minimum number of the node required to start service

Type: number

Range: 0-16

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.7 scaleout cluster cluster-devices cluster-discovery-timeout

Configure cluster discovery timeout

cluster-discovery-timeout Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cluster-discovery-timeout
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout
Element Attributes	cluster-discovery-timeout_attributes
Partition Visibility	shared
Schema	`cluster-discovery-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/cluster-discovery-timeout

cluster-discovery-timeout attributes

cluster-discovery-timeout attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.8 scaleout cluster cluster-devices device-id

Configure Scaleout devices

device-id Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*device-id*
Collection Name	*device-id-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id
Element Name	device-id
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}
Element Attributes	device-id_attributes
Partition Visibility	shared
Schema	`device-id schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id

device-id attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id

device-id attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}

device-id attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id

device-id-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}

device-id attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}

device-id attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id

device-id-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/device-id/{device-id}

device-id attributes

device-id-list

device-id-list is **JSON List** of *device-id attributes*

device-id-list : [

{ *device-id attributes* },

{ *device-id attributes* },

...

]

device-id attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

ip

Description

Type: string

Format: ipv4-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.9 scaleout cluster cluster-devices minimum-nodes

Minimum number of nodes to start scaleout

minimum-nodes Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	minimum-nodes
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes
Element Attributes	minimum-nodes_attributes
Partition Visibility	shared
Schema	`minimum-nodes schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

```
POST /axapi/v3/scaleout/cluster/1/cluster-devices/minimum-nodes
Payload:
{
    "minimum-nodes": {
        "minimum-nodes-num": 0
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

```
GET /axapi/v3/scaleout/cluster/1/cluster-devices/minimum-nodes
Reponse:
{
    "minimum-nodes": {
        "minimum-nodes-num": 0,
        "uuid": "4071b420-b6d6-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/cluster-devices/minimum-nodes"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

```
PUT /axapi/v3/scaleout/cluster/1/cluster-devices/minimum-nodes
Payload:
{
    "minimum-nodes": {
        "minimum-nodes-num": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/cluster-devices/minimum-nodes

minimum-nodes attributes

```
DELETE /axapi/v3/scaleout/cluster/1/cluster-devices/minimum-nodes
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

minimum-nodes attributes

minimum-nodes-num

Description Specify the minimum number of the node required to start service

Type: number

Range: 0-16

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.10 scaleout cluster db-config

Configure zk prarameters

db-config Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	db-config
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/db-config
Element Attributes	db-config_attributes
Partition Visibility	shared
Schema	`db-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/db-config

db-config attributes

db-config attributes

broken-detect-timeout

Description database connection broken detection timeout (mseconds) (12000 mseconds for default)

Type: number

Range: 500-120000

Default: 12000

client-recv-timeout

Description

Type: number

Range: 50-100000

Default: 13000

clientPort

Description client session port

Type: number

Range: 100-65535

elect-conn-timeout

Description election connection timeout (mseconds) (1200 for default)

Type: number

Range: 50-15000

Default: 1200

initLimit

Description

Type: number

Range: 1-500

loopback-intf-support

Description support loopback interface for scaleout database (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

maxSessionTimeout

Description

Type: number

Range: 50-100000

Default: 30000

minSessionTimeout

Description

Type: number

Range: 50-100000

Default: 100

more-election-packet

Description send more election packet in election period (enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

syncLimit

Description

Type: number

Range: 1-500

tickTime

Description

Type: number

Range: 50-10000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.11 scaleout cluster device-groups

Configure scaleout device groups

device-groups Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	device-groups
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/device-groups
Element Attributes	device-groups_attributes
Partition Visibility	shared
Schema	`device-groups schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

```
POST /axapi/v3/scaleout/cluster/1/device-groups
Payload:
{
    "device-groups": {
        "device-group-list": [
            {
                "device-group": 1,
                "user-tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

```
GET /axapi/v3/scaleout/cluster/1/device-groups
Reponse:
{
    "device-groups": {
        "uuid": "8d2e6934-b6d6-11ef-8f5a-ae71681635d0",
        "device-group-list": [
            {
                "device-group": 1,
                "uuid": "8d2e7c08-b6d6-11ef-8f5a-ae71681635d0",
                "user-tag": "a",
                "a10-url": "/axapi/v3/scaleout/cluster/1/device-groups/device-group/1"
            }
        ],
        "a10-url": "/axapi/v3/scaleout/cluster/1/device-groups"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

```
PUT /axapi/v3/scaleout/cluster/1/device-groups
Payload:
{
    "device-groups": {
        "device-group-list": [
            {
                "device-group": 1,
                "device-id-list": [
                    {
                        "device-id-start": 2,
                        "device-id-end": 2
                    }
                ]
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups

device-groups attributes

```
DELETE /axapi/v3/scaleout/cluster/1/device-groups
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

device-groups attributes

device-group-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-group-list

Specification	Value
Type	*list*
Block object keys	

device-group

Description scaleout device group

Type: number

Range: 1-16

device-id-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-group-list_device-id-list

Specification	Value
Type	*list*
Block object keys	

device-id-end

Description

Type: number

device-id-start

Description

Type: number

2.111.12 scaleout cluster device-groups device-group

Configure scaleout device groups

device-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*device-group*
Collection Name	*device-group-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group
Element Name	device-group
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}
Element Attributes	device-group_attributes
Partition Visibility	shared
Schema	`device-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group

device-group attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group

device-group attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}

device-group attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group

device-group-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}

device-group attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}

device-group attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group

device-group-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/device-groups/device-group/{device-group}

device-group attributes

device-group-list

device-group-list is **JSON List** of *device-group attributes*

device-group-list : [

{ *device-group attributes* },

{ *device-group attributes* },

...

]

device-group attributes

device-group

Description scaleout device group

Type: number

Range: 1-16

device-id-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

device-id-list

Specification	Value
Type	*list*
Block object keys	

device-id-end

Description

Type: number

device-id-start

Description

Type: number

2.111.13 scaleout cluster local-device

Local device configuration

local-device Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	local-device
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device
Element Attributes	local-device_attributes
Partition Visibility	shared
Schema	`local-device schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

```
POST /axapi/v3/scaleout/cluster/1/local-device
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "local-device": {
        "priority": 1,
        "l2-redirect": {
            "redirect-eth": 1,
            "ethernet-vlan": 2
        }
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device
Reponse:
{
    "local-device": {
        "priority": 1,
        "action": "enable",
        "cluster-mode": "layer-2",
        "uuid": "e8ec1316-b6d6-11ef-8f5a-ae71681635d0",
        "l2-redirect": {
            "redirect-eth": 1,
            "ethernet-vlan": 2,
            "uuid": "e8ec3666-b6d6-11ef-8f5a-ae71681635d0",
            "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/l2-redirect"
        },
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

```
PUT /axapi/v3/scaleout/cluster/1/local-device
Payload:
{
    "local-device": {
```

(continues on next page)

(continued from previous page)

```
        "priority": 2,
        "l2-redirect": {
            "redirect-eth": 2
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device

local-device attributes

```
DELETE /axapi/v3/scaleout/cluster/1/local-device
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

local-device attributes

action

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

cluster-mode

Description 'layer-2': Nodes in cluster are layer 2 connected (default mode); 'layer-3': Nodes in cluster are l3 connected;

Type: string

Supported Values: layer-2, layer-3

Default: layer-2

exclude-interfaces

Description: exclude-interfaces is a **JSON Block**. Please see below for *exclude-interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces*

id

Description

Type: number

Range: 1-16

l2-redirect

Description: l2-redirect is a **JSON Block**. Please see below for *l2-redirect*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect*

priority

Description

Type: number

Range: 1-255

session-sync

Description: session-sync is a **JSON Block**. Please see below for *session-sync*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync*

start-delay

Description

Type: number

Range: 10-300

tracking-template

Description: tracking-template is a **JSON Block**. Please see below for *tracking-template*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template*

traffic-redirection

Description: traffic-redirection is a **JSON Block**. Please see below for *traffic-redirection*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-sync

Specification	Value
Type	*object*

follow-shared

Description Follow shared partition for session sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *session-sync_interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *session-sync_reachability-options*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-sync_interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

session-sync_interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

session-sync_interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

session-sync_interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

session-sync_interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

session-sync_reachability-options

Specification	Value
Type	*object*

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

exclude-interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

exclude-interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

exclude-interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

exclude-interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

exclude-interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

l2-redirect

Specification	Value
Type	*object*

ethernet-vlan

Description VLAN ID

Type: number

Range: 2-4094

redirect-eth

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: redirect-eth and redirect-trunk are mutually exclusive

redirect-trunk

Description L2 Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: redirect-trunk and redirect-eth are mutually exclusive

trunk-vlan

Description VLAN ID

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-redirection

Specification	Value
Type	*object*

encap

Description: encap is a **JSON Block**. Please see below for *traffic-redirection_encap*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap*

follow-shared

Description Follow shared partition for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *traffic-redirection_interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *traffic-redirection_reachability-options*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-redirection_interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

traffic-redirection_interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

traffic-redirection_interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

traffic-redirection_interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

traffic-redirection_interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

traffic-redirection_reachability-options

Specification	Value
Type	*object*

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-redirection_encap

Specification	Value
Type	*object*

type

Description 'vxlan': Use vxlan for encapsulation;

Type: string

Supported Values: vxlan

Default: vxlan

use-v4-vxlan

Description Always use IPv4 VxLAN for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template

Specification	Value
Type	*object*

multi-template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}*

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}*

tracking-template_multi-template-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

multi-template

Description bind multi tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

template

Type: List

threshold

Description action triggering threshold

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template_multi-template-list_template

Specification	Value
Type	*list*
Block object keys	

partition-name

Description Partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

template-name

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

tracking-template_template-list

Specification	Value
Type	*list*
Block object keys	

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tracking-template_template-list_threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.111.14 scaleout cluster local-device exclude-interfaces

Interfaces for peers to exclude from scaleout redirection and session sync

exclude-interfaces Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	exclude-interfaces
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces
Element Attributes	exclude-interfaces_attributes
Partition Visibility	shared
Schema	`exclude-interfaces schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

```
POST /axapi/v3/scaleout/cluster/1/local-device/exclude-interfaces
Payload:
{
    "exclude-interfaces": {
        "eth-cfg": [
            {
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device/exclude-interfaces
Reponse:
{
    "exclude-interfaces": {
        "loopback-cfg": [
            {
                "loopback": 0
            }
        ],
        "uuid": "081e7eb2-b6d8-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/exclude-interfaces"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

```
PUT /axapi/v3/scaleout/cluster/1/local-device/exclude-interfaces
Payload:
{
    "exclude-interfaces": {
        "loopback-cfg": [
            {
                "loopback": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/exclude-interfaces

exclude-interfaces attributes

```
DELETE /axapi/v3/scaleout/cluster/1/local-device/exclude-interfaces
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

exclude-interfaces attributes

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

2.111.15 scaleout cluster local-device l2-redirect

Configure interface for redirection

l2-redirect Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l2-redirect
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect
Element Attributes	l2-redirect_attributes
Partition Visibility	shared
Schema	`l2-redirect schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

```
POST /axapi/v3/scaleout/cluster/1/local-device/l2-redirect
Payload:
{
    "l2-redirect": {
        "redirect-eth": 1,
        "ethernet-vlan": 2
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device/l2-redirect
Reponse:
{
    "l2-redirect": {
        "redirect-eth": 1,
        "ethernet-vlan": 2,
```

(continues on next page)

(continued from previous page)

```
        "uuid": "2cd96596-b6d8-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/l2-redirect"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

```
PUT /axapi/v3/scaleout/cluster/1/local-device/l2-redirect
Payload:
{
    "l2-redirect": {
        "redirect-eth": 1,
        "ethernet-vlan": 3
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/l2-redirect

l2-redirect attributes

```
DELETE /axapi/v3/scaleout/cluster/1/local-device/l2-redirect
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

l2-redirect attributes

ethernet-vlan

Description VLAN ID

Type: number

Range: 2-4094

redirect-eth

Description Ethernet port (Port Value)

Type: number

Format: interface

Mutual Exclusion: redirect-eth and redirect-trunk are mutually exclusive

redirect-trunk

Description L2 Trunk group

Type: number

Range: 1-4096

Mutual Exclusion: redirect-trunk and redirect-eth are mutually exclusive

trunk-vlan

Description VLAN ID

Type: number

Range: 2-4094

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.16 scaleout cluster local-device session-sync

Interface for scaleout session sync

session-sync Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	session-sync
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync
Element Attributes	session-sync_attributes
Partition Visibility	shared
Schema	`session-sync schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync

session-sync attributes

session-sync attributes

follow-shared

Description Follow shared partition for session sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *reachability-options*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

reachability-options

Specification	Value
Type	*object*

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.17 scaleout cluster local-device session-sync interfaces

Session sync interfaces

interfaces Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interfaces
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces
Element Attributes	interfaces_attributes
Partition Visibility	shared
Schema	`interfaces schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

```
POST /axapi/v3/scaleout/cluster/1/local-device/session-sync/interfaces
Payload:
{
    "interfaces": {
        "eth-cfg": [
            {
```

(continues on next page)

(continued from previous page)

```
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device/session-sync/interfaces
Reponse:
{
    "interfaces": {
        "trunk-cfg": [
            {
                "trunk": 1
            }
        ],
        "uuid": "8bebc81c-b6d8-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/session-sync/interfaces"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

```
PUT /axapi/v3/scaleout/cluster/1/local-device/session-sync/interfaces
Payload:
{
    "interfaces": {
        "trunk-cfg": [
            {
                "trunk": 1
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/interfaces

interfaces attributes

```
DELETE /axapi/v3/scaleout/cluster/1/local-device/session-sync/interfaces
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

interfaces attributes

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface(Not applicable in 'layer-2' mode) (Loopback interface number)

Type: number

Range: 0-10

trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

2.111.18 scaleout cluster local-device session-sync reachability-options

Options to determine reachability for session sync

reachability-options Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reachability-options
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options
Element Attributes	reachability-options_attributes
Partition Visibility	shared
Schema	`reachability-options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

```
POST /axapi/v3/scaleout/cluster/1/local-device/session-sync/reachability-options
Payload:
{
    "reachability-options": {
        "skip-default-route": 1
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device/session-sync/reachability-options
Reponse:
{
    "reachability-options": {
        "skip-default-route": 1,
        "uuid": "bc2e9112-b6d8-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/session-sync/reachability-
↪options"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/session-sync/reachability-options

reachability-options attributes

reachability-options attributes

skip-default-route

Description Do not choose default route for redirection(Not applicable in 'layer-2' mode)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.19 scaleout cluster local-device tracking-template

Configure scaleout tracking

tracking-template Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	tracking-template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template
Element Attributes	tracking-template_attributes
Partition Visibility	shared
Schema	`tracking-template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template

tracking-template_attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device/tracking-template
Reponse:
{
    "tracking-template": {
        "template-list": [
            {
                "template": "a",
                "ip-version": "ipv4",
                "uuid": "e3349680-b6d8-11ef-8f5a-ae71681635d0",
                "user-tag": "a",
                "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/tracking-template/
↪template/a+ipv4"
            }
        ],
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/tracking-template"
    }
}
```

tracking-template attributes

multi-template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}*

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}*

multi-template-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

multi-template

Description bind multi tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

template

Type: List

threshold

Description action triggering threshold

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

multi-template-list_template

Specification	Value
Type	*list*
Block object keys	

partition-name

Description Partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

template-name

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

template-list

Specification	Value
Type	*list*
Block object keys	

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.111.20 scaleout cluster local-device tracking-template multi-template

Configure multi tracking template to be used by scaleout

multi-template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*multi-template, ip-version*
Collection Name	*multi-template-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template
Element Name	multi-template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}
Element Attributes	multi-template_attributes
Partition Visibility	shared
Schema	`multi-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template

multi-template attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template

multi-template attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}

multi-template attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template

multi-template-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}

multi-template attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}

multi-template attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template

multi-template-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/multi-template/{multi-template}+{ip-version}

multi-template attributes

multi-template-list

multi-template-list is **JSON List** of *multi-template attributes*

multi-template-list : [

{ *multi-template attributes* },

{ *multi-template attributes* },

...

]

multi-template attributes

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

multi-template

Description bind multi tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

template

Type: List

threshold

Description action triggering threshold

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template

Specification	Value
Type	*list*
Block object keys	

partition-name

Description Partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

template-name

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.111.21 scaleout cluster local-device tracking-template template

Configure tracking template to be used by scaleout

template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*template, ip-version*
Collection Name	*template-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template
Element Name	template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template

template attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template

template attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}

template attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template

template-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}

template attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}

template attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template

template-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/tracking-template/template/{template}+{ip-version}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

ip-version

Description 'ipv4': take action for IPv4 traffic-only; 'ipv6': take action for IPv6 traffic-only;

Type: string

Supported Values: ipv4, ipv6

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.111.22 scaleout cluster local-device traffic-redirection

Redirect interfaces and options

traffic-redirection Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	traffic-redirection
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection
Element Attributes	traffic-redirection_attributes
Partition Visibility	shared
Schema	`traffic-redirection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection

traffic-redirection attributes

traffic-redirection attributes

encap

Description: encap is a **JSON Block**. Please see below for *encap*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap*

follow-shared

Description Follow shared partition for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interfaces

Description: interfaces is a **JSON Block**. Please see below for *interfaces*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces*

reachability-options

Description: reachability-options is a **JSON Block**. Please see below for *reachability-options*

Type: Object

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

interfaces

Specification	Value
Type	*object*

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

interfaces_ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

interfaces_loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

interfaces_trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

interfaces_eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

reachability-options

Specification	Value
Type	*object*

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

encap

Specification	Value
Type	*object*

type

Description 'vxlan': Use vxlan for encapsulation;

Type: string

Supported Values: vxlan

Default: vxlan

use-v4-vxlan

Description Always use IPv4 VxLAN for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.23 scaleout cluster local-device traffic-redirection encap

Encapsulation options to redirect taffic

encap Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	encap
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap
Element Attributes	encap_attributes
Partition Visibility	shared
Schema	`encap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap

encap attributes

```
POST /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/encap
Payload:
{
    "encap": {
        "type": "vxlan",
        "use-v4-vxlan": 1
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap

encap attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/encap
Reponse:
{
    "encap": {
        "type": "vxlan",
        "use-v4-vxlan": 1,
        "uuid": "719d1cbc-b6d9-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/encap"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap

encap attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap

encap attributes

```
PUT /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/encap
Payload:
{
    "encap": {
        "type": "vxlan",
        "use-v4-vxlan": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/encap

encap attributes

```
DELETE /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/encap
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

encap attributes

type

Description 'vxlan': Use vxlan for encapsulation;

Type: string

Supported Values: vxlan

Default: vxlan

use-v4-vxlan

Description Always use IPv4 VxLAN for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.24 scaleout cluster local-device traffic-redirection interfaces

Redirect interfaces

interfaces Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interfaces
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces
Element Attributes	interfaces_attributes
Partition Visibility	shared
Schema	`interfaces schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

```
POST /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/interfaces
Payload:
{
    "interfaces": {
        "eth-cfg": [
            {
                "ethernet": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/interfaces
Reponse:
{
    "interfaces": {
        "eth-cfg": [
            {
                "ethernet": 1
            }
        ],
        "uuid": "a90230ca-b6d9-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/
↪interfaces"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

```
PUT /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/interfaces
Payload:
{
    "interfaces": {
        "eth-cfg": [
            {
                "ethernet": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/interfaces

interfaces attributes

```
DELETE /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/interfaces
Reponse:
{
    "response": {
```

(continues on next page)

(continued from previous page)

```
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

interfaces attributes

eth-cfg

Type: List

loopback-cfg

Type: List

trunk-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-cfg

Type: List

ve-cfg

Specification	Value
Type	*list*
Block object keys	

ve

Description Virtual ethernet Interface (Virtual ethernet interface number)

Type: number

Range: 2-4094

loopback-cfg

Specification	Value
Type	*list*
Block object keys	

loopback

Description Loopback Interface (Loopback interface number)

Type: number

Range: 0-10

trunk-cfg

Specification	Value
Type	*list*
Block object keys	

trunk

Description Trunk Interface (Trunk interface number)

Type: number

Range: 1-4096

eth-cfg

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet Interface (Ethernet interface number)

Type: number

Format: interface

2.111.25 scaleout cluster local-device traffic-redirection reachability-options

Options to determine reachability for redirection

reachability-options Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reachability-options
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options
Element Attributes	reachability-options_attributes
Partition Visibility	shared
Schema	`reachability-options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

```
POST /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/reachability-options
Payload:
{
    "reachability-options": {
        "skip-default-route": 1
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

```
GET /axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/reachability-options
Reponse:
{
    "reachability-options": {
        "skip-default-route": 1,
        "uuid": "47b4cb84-b6d9-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/local-device/traffic-redirection/
↪reachability-options"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/local-device/traffic-redirection/reachability-options

reachability-options attributes

reachability-options attributes

skip-default-route

Description Do not choose default route for redirection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.26 scaleout cluster service-config

Configure scaleout templates for SLB, CGN and VRRP

service-config Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	service-config
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/service-config
Element Attributes	service-config_attributes
Partition Visibility	shared
Schema	`service-config schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config

service-config attributes

```
POST /axapi/v3/scaleout/cluster/1/service-config
Payload:
{
    "service-config": {
        "default-user-group-count": 64
    }
}
```

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/service-config

service-config attributes

```
GET /axapi/v3/scaleout/cluster/1/service-config
Reponse:
{
    "service-config": {
        "default-user-group-count": 64,
        "uuid": "22428336-b6da-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/cluster/1/service-config"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config

service-config attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/service-config

service-config attributes

service-config attributes

default-user-group-count

Description Number of default traffic buckets

Type: number

Range: 64-256

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	Value
Type	*list*
Block object keys	

name

Description Scaleout template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-group-count

Description Number of traffic buckets

Type: number

Range: 1-256

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.27 scaleout cluster service-config template

Scaleout template

template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template
Element Name	template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template

template attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template

template attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}

template attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template

template-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}

template attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template

template-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/service-config/template/{name}

template attributes

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

name

Description Scaleout template Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

user-group-count

Description Number of traffic buckets

Type: number

Range: 1-256

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.28 scaleout cluster tracking-template

Configure scaleout tracking [OBSOLETED!]

tracking-template Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	tracking-template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template
Element Attributes	tracking-template_attributes
Partition Visibility	shared
Schema	`tracking-template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template

tracking-template_attributes

tracking-template attributes

template-list

Type: List

Reference Object: */axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}*

template-list

Specification	Value
Type	*list*
Block object keys	

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.111.29 scaleout cluster tracking-template template

Configure tracking template to be used by scaleout [OBSOLETED!]

template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*template*
Collection Name	*template-list*
Collection URI	/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template
Element Name	template
Element URI	/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template

template attributes

Create List

POST

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template

template attributes

Get Object

GET

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}

template attributes

Get List

GET

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template

template-list

Modify Object

POST

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}

template attributes

Replace Object

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}

template attributes

Replace List

PUT

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template

template-list

Delete Object

DELETE

/axapi/v3/scaleout/cluster/{cluster-id}/tracking-template/template/{template}

template attributes

template-list

template-list is **JSON List** of *template attributes*

```
template-list : [
        { template attributes },
        { template attributes },
        ...
    ]
```

template attributes

template

Description bind tracking template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

threshold-cfg

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

threshold-cfg

Specification	Value
Type	*list*
Block object keys	

action

Description 'down': node stops processing user traffic; 'exit-cluster': node exits scaleout cluster;

Type: string

Supported Values: down, exit-cluster

threshold

Description action triggering threshold

Type: number

Range: 1-65535

2.111.30 scaleout debug

Configure scaleout

debug Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	debug
Element URI	/axapi/v3/scaleout/debug
Element Attributes	debug_attributes
Partition Visibility	shared
Schema	`debug schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/debug

debug_attributes

debug attributes

cluster

Description: cluster is a **JSON Block**. Please see below for *cluster*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/cluster*

hash-table

Description: hash-table is a **JSON Block**. Please see below for *hash-table*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/hash-table*

info

Description: info is a **JSON Block**. Please see below for *info*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/info*

ipv6

Description: ipv6 is a **JSON Block**. Please see below for *ipv6*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6*

nat-list

Description: nat-list is a **JSON Block**. Please see below for *nat-list*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/nat-list*

nat-map

Description: nat-map is a **JSON Block**. Please see below for *nat-map*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/nat-map*

reachability

Description: reachability is a **JSON Block**. Please see below for *reachability*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/reachability*

redirect-table

Description: redirect-table is a **JSON Block**. Please see below for *redirect-table*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/redirect-table*

resource-tracking

Description: resource-tracking is a **JSON Block**. Please see below for *resource-tracking*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/resource-tracking*

role

Description: role is a **JSON Block**. Please see below for *role*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/role*

traffic-map

Description: traffic-map is a **JSON Block**. Please see below for *traffic-map*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/traffic-map*

info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-tracking

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster

Specification	Value
Type	*object*

database

Description: database is a **JSON Block**. Please see below for *cluster_database*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/cluster/database*

status

Description: status is a **JSON Block**. Please see below for *cluster_status*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/cluster/status*

cluster_status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster_database

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-map

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traffic-map

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

nat-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reachability

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

role

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

redirect-table

Specification	Value
Type	*object*

l2

Description: l2 is a **JSON Block**. Please see below for *redirect-table_l2*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/redirect-table/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *redirect-table_l3*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/redirect-table/l3*

redirect-table_l2

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

redirect-table_l3

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6

Specification	Value
Type	*object*

reachability

Description: reachability is a **JSON Block**. Please see below for *ipv6_reachability*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/reachability*

redirect-table

Description: redirect-table is a **JSON Block**. Please see below for *ipv6_redirect-table*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table*

ipv6_reachability

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_redirect-table

Specification	Value
Type	*object*

l2

Description: l2 is a **JSON Block**. Please see below for *ipv6_redirect-table_l2*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *ipv6_redirect-table_l3*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table/l3*

ipv6_redirect-table_l2

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6_redirect-table_l3

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hash-table

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.31 scaleout debug cluster

Display scaleout cluster info

cluster Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	cluster
Element URI	/axapi/v3/scaleout/debug/cluster
Element Attributes	cluster_attributes
Partition Visibility	shared
Schema	`cluster schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/debug/cluster

cluster_attributes

cluster attributes

database

Description: database is a **JSON Block**. Please see below for *database*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/cluster/database*

status

Description: status is a **JSON Block**. Please see below for *status*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/cluster/status*

status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

database

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.32 scaleout debug cluster database oper

Operational Status for the object database

database Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	database
Element URI	/axapi/v3/scaleout/debug/cluster/database/oper
Element Attributes	database_attributes
Partition Visibility	None
Schema	`database schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/cluster/database/oper

database attributes

Get Object

GET

/axapi/v3/scaleout/debug/cluster/database/oper

database attributes

Modify Object

POST

/axapi/v3/scaleout/debug/cluster/database/oper

database attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/cluster/database/oper

database attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/cluster/database/oper

database attributes

database attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

database-list

Type: List

oper_database-list

Specification	Value
Type	*list*
Block object keys	

root

Description

Type: string

2.111.33 scaleout debug cluster status oper

Operational Status for the object status

status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	status
Element URI	/axapi/v3/scaleout/debug/cluster/status/oper
Element Attributes	status_attributes
Partition Visibility	None
Schema	`status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/cluster/status/oper

status attributes

Get Object

GET

/axapi/v3/scaleout/debug/cluster/status/oper

status attributes

Modify Object

POST

/axapi/v3/scaleout/debug/cluster/status/oper

status attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/cluster/status/oper

status attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/cluster/status/oper

status attributes

status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

active_device_count

Description

Type: number

active_device_count_list

Type: List

cluster_disc_timer_running

Description

Type: number

device_id

Description

Type: number

explicitly_stop_service

Description

Type: number

follow_vcs

Description

Type: number

g_scaleout

Description

Type: number

maintain_mode_configured

Description

Type: number

min_node_num

Description

Type: number

priority

Description

Type: number

scaleout_current_role

Description

Type: number

scaleout_device_group_list

Type: List

scaleout_device_id

Description

Type: number

scaleout_device_list

Type: List

scaleout_enabled

Description

Type: number

scaleout_priority

Description

Type: number

vcs_device_id

Description

Type: number

vcs_priority

Description

Type: number

oper_active_device_count_list

Specification	Value
Type	*list*
Block object keys	

device_id

Description

Type: number

state

Description

Type: number

oper_scaleout_device_list

Specification	Value
Type	*list*
Block object keys	

device_id

Description

Type: number

state

Description

Type: number

oper_scaleout_device_group_list

Specification	Value
Type	*list*
Block object keys	

index

Description

Type: number

members

Description

Type: number

members_low64

Description

Type: number

2.111.34 scaleout debug hash-table oper

Operational Status for the object hash-table

hash-table Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hash-table
Element URI	/axapi/v3/scaleout/debug/hash-table/oper
Element Attributes	hash-table_attributes
Partition Visibility	None
Schema	`hash-table schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/hash-table/oper

hash-table attributes

Get Object

GET

/axapi/v3/scaleout/debug/hash-table/oper

hash-table attributes

Modify Object

POST

/axapi/v3/scaleout/debug/hash-table/oper

hash-table attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/hash-table/oper

hash-table attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/hash-table/oper

hash-table attributes

hash-table attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

hash_list

Type: List

ip

Description

Type: number

ipv6

Description

Type: number

mac

Description

Type: number

oper_hash_list

Specification	Value
Type	*list*
Block object keys	

hash

Description

Type: number

node

Description

Type: number

ref_count

Description

Type: number

so_ip

Description

Type: string

so_mac

Description

Type: string

so_vnp_id

Description

Type: number

2.111.35 scaleout debug info oper

Operational Status for the object info

info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	info
Element URI	/axapi/v3/scaleout/debug/info/oper
Element Attributes	info_attributes
Partition Visibility	None
Schema	`info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/info/oper

info attributes

Get Object

GET

/axapi/v3/scaleout/debug/info/oper

info attributes

Modify Object

POST

/axapi/v3/scaleout/debug/info/oper

info attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/info/oper

info attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/info/oper

info attributes

info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

active_device_count

Description

Type: number

cluster_disc_timer_running

Description

Type: number

cluster_discovery_start_timestamp

Description

Type: number

cluster_discovery_timeout

Description

Type: number

db_operation_max_retry

Description

Type: number

db_process_running

Description

Type: number

explicitly_stop_service

Description

Type: number

g_scaleout

Description

Type: number

node_disable_in_prog

Description

Type: number

node_enable_in_prog

Description

Type: number

pending_scaleout_exit

Description

Type: number

perform_tracking_work

Description

Type: number

scaleout_current_role

Description

Type: number

scaleout_enabled

Description

Type: number

so_device_count

Description

Type: number

traffic_map_update

Description

Type: number

trigger_cluster_exit

Description

Type: number

trigger_disable

Description

Type: number

trigger_enable

Description

Type: number

2.111.36 scaleout debug ipv6

Configure scaleout

ipv6 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ipv6
Element URI	/axapi/v3/scaleout/debug/ipv6
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/debug/ipv6

ipv6_attributes

ipv6 attributes

reachability

Description: reachability is a **JSON Block**. Please see below for *reachability*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/reachability*

redirect-table

Description: redirect-table is a **JSON Block**. Please see below for *redirect-table*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table*

reachability

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

redirect-table

Specification	Value
Type	*object*

l2

Description: l2 is a **JSON Block**. Please see below for *redirect-table_l2*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *redirect-table_l3*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table/l3*

redirect-table_l2

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

redirect-table_l3

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.37 scaleout debug ipv6 reachability oper

Operational Status for the object reachability

reachability Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reachability
Element URI	/axapi/v3/scaleout/debug/ipv6/reachability/oper
Element Attributes	reachability_attributes
Partition Visibility	None
Schema	`reachability schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/ipv6/reachability/oper

reachability attributes

Get Object

GET

/axapi/v3/scaleout/debug/ipv6/reachability/oper

reachability attributes

Modify Object

POST

/axapi/v3/scaleout/debug/ipv6/reachability/oper

reachability attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/ipv6/reachability/oper

reachability attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/ipv6/reachability/oper

reachability attributes

reachability attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

part_name

Description

Type: string

scaleout-ipv6-list

Type: List

oper_scaleout-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6_addr

Description

Type: string

mac

Description

Type: string

name

Description

Type: string

node

Description

Type: number

prefix_len

Description

Type: number

real_port

Description

Type: number

vlan_id

Description

Type: number

vnp_id

Description

Type: number

2.111.38 scaleout debug ipv6 redirect-table

Display the redirect table for L2/L3

redirect-table Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	redirect-table
Element URI	/axapi/v3/scaleout/debug/ipv6/redirect-table
Element Attributes	redirect-table_attributes
Partition Visibility	shared
Schema	`redirect-table schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/debug/ipv6/redirect-table

redirect-table_attributes

redirect-table attributes

l2

Description: l2 is a **JSON Block**. Please see below for *l2*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *l3*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/ipv6/redirect-table/l3*

l2

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l3

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.39 scaleout debug ipv6 redirect-table l2 oper

Operational Status for the object l2

l2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l2
Element URI	/axapi/v3/scaleout/debug/ipv6/redirect-table/l2/oper
Element Attributes	l2_attributes
Partition Visibility	None
Schema	`l2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/ipv6/redirect-table/l2/oper

l2 attributes

Get Object

GET

/axapi/v3/scaleout/debug/ipv6/redirect-table/l2/oper

l2 attributes

Modify Object

POST

/axapi/v3/scaleout/debug/ipv6/redirect-table/l2/oper

l2 attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/ipv6/redirect-table/l2/oper

l2 attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/ipv6/redirect-table/l2/oper

l2 attributes

l2 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ethernet

Description

Type: number

link_status

Description

Type: number

redirect_info_list_v6

Type: List

trunk

Description

Type: number

ve

Description

Type: number

oper_redirect_info_list_v6

Specification	Value
Type	*list*
Block object keys	

intf_num

Description

Type: number

ipv6_addr_str

Description

Type: string

mac_str

Description

Type: string

node

Description

Type: number

reachable

Description

Type: number

valid

Description

Type: number

vlan

Description

Type: number

2.111.40 scaleout debug ipv6 redirect-table l3 oper

Operational Status for the object l3

l3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l3
Element URI	/axapi/v3/scaleout/debug/ipv6/redirect-table/l3/oper
Element Attributes	l3_attributes
Partition Visibility	None
Schema	`l3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/ipv6/redirect-table/l3/oper

l3 attributes

Get Object

GET

/axapi/v3/scaleout/debug/ipv6/redirect-table/l3/oper

l3 attributes

Modify Object

POST

/axapi/v3/scaleout/debug/ipv6/redirect-table/l3/oper

l3 attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/ipv6/redirect-table/l3/oper

l3 attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/ipv6/redirect-table/l3/oper

l3 attributes

l3 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

device_list

Type: List

part_name

Description

Type: string

oper_device_list

Specification	Value
Type	*list*
Block object keys	

device_id

Description

Type: number

red_follow_shared

Description

Type: number

red_table_list

Type: List

oper_device_list_red_table_list

Specification	Value
Type	*list*
Block object keys	

count_list

Type: List

dir

Description

Type: string

dst_ip

Description

Type: string

id

Description

Type: number

mac

Description

Type: string

real_port

Description

Type: number

total_count

Description

Type: number

oper_device_list_red_table_list_count_list

Specification	Value
Type	*list*
Block object keys	

dst_index

Description

Type: number

dst_index_valid

Description

Type: number

2.111.41 scaleout debug nat-list oper

Operational Status for the object nat-list

nat-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	nat-list
Element URI	/axapi/v3/scaleout/debug/nat-list/oper
Element Attributes	nat-list_attributes
Partition Visibility	None
Schema	`nat-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/nat-list/oper

nat-list attributes

Get Object

GET

/axapi/v3/scaleout/debug/nat-list/oper

nat-list attributes

Modify Object

POST

/axapi/v3/scaleout/debug/nat-list/oper

nat-list attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/nat-list/oper

nat-list attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/nat-list/oper

nat-list attributes

nat-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

vnp_id_list

Type: List

oper_vnp_id_list

Specification	Value
Type	*list*
Block object keys	

nat_list

Type: List

oper_vnp_id_list_nat_list

Specification	Value
Type	*list*
Block object keys	

active

Description

Type: number

device

Description

Type: number

ip

Description

Type: string

2.111.42 scaleout debug nat-map oper

Operational Status for the object nat-map

nat-map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	nat-map
Element URI	/axapi/v3/scaleout/debug/nat-map/oper
Element Attributes	nat-map_attributes
Partition Visibility	None
Schema	`nat-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/nat-map/oper

nat-map attributes

Get Object

GET

/axapi/v3/scaleout/debug/nat-map/oper

nat-map attributes

Modify Object

POST

/axapi/v3/scaleout/debug/nat-map/oper

nat-map attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/nat-map/oper

nat-map attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/nat-map/oper

nat-map attributes

nat-map attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

device-id

Description

Type: number

vnp_id_list

Type: List

oper_vnp_id_list

Specification	Value
Type	*list*
Block object keys	

nat_map_list

Type: List

oper_vnp_id_list_nat_map_list

Specification	Value
Type	*list*
Block object keys	

active

Description

Type: number

ip

Description

Type: string

owner

Description

Type: number

vnp_id

Description

Type: number

2.111.43 scaleout debug reachability oper

Operational Status for the object reachability

reachability Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reachability
Element URI	/axapi/v3/scaleout/debug/reachability/oper
Element Attributes	reachability_attributes
Partition Visibility	None
Schema	`reachability schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/reachability/oper

reachability attributes

Get Object

GET

/axapi/v3/scaleout/debug/reachability/oper

reachability attributes

Modify Object

POST

/axapi/v3/scaleout/debug/reachability/oper

reachability attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/reachability/oper

reachability attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/reachability/oper

reachability attributes

reachability attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

part_name

Description

Type: string

scaleout-ip-list

Type: List

oper_scaleout-ip-list

Specification	Value
Type	*list*
Block object keys	

ip_addr

Description

Type: string

mac

Description

Type: string

name

Description

Type: string

netmask

Description

Type: number

node

Description

Type: number

real_port

Description

Type: number

vlan_id

Description

Type: number

vnp_id

Description

Type: number

2.111.44 scaleout debug redirect-table

Display the redirect table for L2/L3

redirect-table Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	redirect-table
Element URI	/axapi/v3/scaleout/debug/redirect-table
Element Attributes	redirect-table_attributes
Partition Visibility	shared
Schema	`redirect-table schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/debug/redirect-table

redirect-table_attributes

redirect-table attributes

l2

Description: l2 is a **JSON Block**. Please see below for *l2*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/redirect-table/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *l3*

Type: Object

Reference Object: */axapi/v3/scaleout/debug/redirect-table/l3*

l2

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l3

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.45 scaleout debug redirect-table l2 oper

Operational Status for the object l2

l2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l2
Element URI	/axapi/v3/scaleout/debug/redirect-table/l2/oper
Element Attributes	l2_attributes
Partition Visibility	None
Schema	`l2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/redirect-table/l2/oper

l2 attributes

Get Object

GET

/axapi/v3/scaleout/debug/redirect-table/l2/oper

l2 attributes

Modify Object

POST

/axapi/v3/scaleout/debug/redirect-table/l2/oper

l2 attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/redirect-table/l2/oper

l2 attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/redirect-table/l2/oper

l2 attributes

l2 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ethernet

Description

Type: number

link_status

Description

Type: number

redirect_info_list

Type: List

trunk

Description

Type: number

ve

Description

Type: number

oper_redirect_info_list

Specification	Value
Type	*list*
Block object keys	

intf_num

Description

Type: number

ip_addr_str

Description

Type: string

mac_str

Description

Type: string

node

Description

Type: number

reachable

Description

Type: number

valid

Description

Type: number

vlan

Description

Type: number

2.111.46 scaleout debug redirect-table l3 oper

Operational Status for the object l3

l3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l3
Element URI	/axapi/v3/scaleout/debug/redirect-table/l3/oper
Element Attributes	l3_attributes
Partition Visibility	None
Schema	`l3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/redirect-table/l3/oper

l3 attributes

Get Object

GET

/axapi/v3/scaleout/debug/redirect-table/l3/oper

l3 attributes

Modify Object

POST

/axapi/v3/scaleout/debug/redirect-table/l3/oper

l3 attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/redirect-table/l3/oper

l3 attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/redirect-table/l3/oper

l3 attributes

l3 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

device_list

Type: List

part_name

Description

Type: string

oper_device_list

Specification	Value
Type	*list*
Block object keys	

device_id

Description

Type: number

red_follow_shared

Description

Type: number

red_table_list

Type: List

oper_device_list_red_table_list

Specification	Value
Type	*list*
Block object keys	

count_list

Type: List

dir

Description

Type: string

dst_ip

Description

Type: string

id

Description

Type: number

mac

Description

Type: string

real_port

Description

Type: number

total_count

Description

Type: number

oper_device_list_red_table_list_count_list

Specification	Value
Type	*list*
Block object keys	

dst_index

Description

Type: number

dst_index_valid

Description

Type: number

2.111.47 scaleout debug resource-tracking oper

Operational Status for the object resource-tracking

resource-tracking Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-tracking
Element URI	/axapi/v3/scaleout/debug/resource-tracking/oper
Element Attributes	resource-tracking_attributes
Partition Visibility	None
Schema	`resource-tracking schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/resource-tracking/oper

resource-tracking attributes

Get Object

GET

/axapi/v3/scaleout/debug/resource-tracking/oper

resource-tracking attributes

Modify Object

POST

/axapi/v3/scaleout/debug/resource-tracking/oper

resource-tracking attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/resource-tracking/oper

resource-tracking attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/resource-tracking/oper

resource-tracking attributes

resource-tracking attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

scaleout_cluster_list

Type: List

track_template_list

Type: List

oper_scaleout_cluster_list

Specification	Value
Type	*list*
Block object keys	

cluster_id

Description

Type: number

current_state

Description

Type: string

last_action

Description

Type: string

so_track_cleanup

Description

Type: number

template_count

Description

Type: number

template_count_list

Type: List

oper_scaleout_cluster_list_template_count_list

Specification	Value
Type	*list*
Block object keys	

template_name

Description

Type: string

template_valid

Description

Type: number

threshold_count

Description

Type: number

threshold_count_list

Type: List

oper_scaleout_cluster_list_template_count_list_threshold_count_list

Specification	Value
Type	*list*
Block object keys	

action

Description

Type: string

thresholds

Description

Type: number

oper_track_template_list

Specification	Value
Type	*list*
Block object keys	

current_cost

Description

Type: number

old_cost

Description

Type: number

ref_cnt

Description

Type: number

track_name

Description

Type: string

user_index

Description

Type: number

2.111.48 scaleout debug role oper

Operational Status for the object role

role Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	role
Element URI	/axapi/v3/scaleout/debug/role/oper
Element Attributes	role_attributes
Partition Visibility	None
Schema	`role schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/role/oper

role attributes

Get Object

GET

/axapi/v3/scaleout/debug/role/oper

role attributes

Modify Object

POST

/axapi/v3/scaleout/debug/role/oper

role attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/role/oper

role attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/role/oper

role attributes

role attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

scaleout_role_action

Description

Type: string

2.111.49 scaleout debug traffic-map oper

Operational Status for the object traffic-map

traffic-map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	traffic-map
Element URI	/axapi/v3/scaleout/debug/traffic-map/oper
Element Attributes	traffic-map_attributes
Partition Visibility	None
Schema	`traffic-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/debug/traffic-map/oper

traffic-map attributes

Get Object

GET

/axapi/v3/scaleout/debug/traffic-map/oper

traffic-map attributes

Modify Object

POST

/axapi/v3/scaleout/debug/traffic-map/oper

traffic-map attributes

Replace Object

PUT

/axapi/v3/scaleout/debug/traffic-map/oper

traffic-map attributes

Delete Object

DELETE

/axapi/v3/scaleout/debug/traffic-map/oper

traffic-map attributes

traffic-map attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

device-group-list

Type: List

oper_device-group-list

Specification	Value
Type	*list*
Block object keys	

buckets-list

Type: List

buffer_len

Description

Type: number

cmd

Description

Type: string

rc

Description

Type: number

oper_device-group-list_buckets-list

Specification	Value
Type	*list*
Block object keys	

active_device

Description

Type: number

standby_device

Description

Type: number

user_group

Description

Type: number

2.111.50 scaleout distributed-forwarding

Enable Scaleout distributed-forwarding

distributed-forwarding Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	distributed-forwarding
Element URI	/axapi/v3/scaleout/distributed-forwarding
Element Attributes	distributed-forwarding_attributes
Partition Visibility	shared
Schema	`distributed-forwarding schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/distributed-forwarding

distributed-forwarding_attributes

distributed-forwarding attributes

cgn

Description: cgn is a **JSON Block**. Please see below for *cgn*

Type: Object

Reference Object: */axapi/v3/scaleout/distributed-forwarding/cgn*

fw

Description: fw is a **JSON Block**. Please see below for *fw*

Type: Object

Reference Object: */axapi/v3/scaleout/distributed-forwarding/fw*

slb

Description: slb is a **JSON Block**. Please see below for *slb*

Type: Object

Reference Object: */axapi/v3/scaleout/distributed-forwarding/slb*

fw

Specification	Value
Type	*object*

enable

Description Enable distributed-forwarding for Firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-offload-direction

Description 'uplink': Enable session offload only in uplink direction; 'downlink': Enable session offload in downlink direction; 'both': Enable session offload in both direction;

Type: string

Supported Values: uplink, downlink, both

Default: both

threshold

Description: threshold is a **JSON Block**. Please see below for *fw_threshold*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw_threshold

Specification	Value
Type	*object*

global-threshold

Description configure packet threshold value to offload sessions of any(TCP and UDP) protocol(default 5)

Type: number

Range: 4-63

Default: 5

Mutual Exclusion: global-threshold and protocol-value are mutually exclusive

protocol-threshold

Type: List

fw_threshold_protocol-threshold

Specification	Value
Type	*list*
Block object keys	

protocol-value

Description 'UDP': configure threshold for udp session offload; 'TCP': configure threshold for tcp session offload;

Type: string

Supported Values: UDP, TCP

Mutual Exclusion: protocol-value and global-threshold are mutually exclusive

threshold-value

Description configure packet threshold value to offload sessions(default 5)

Type: number

Range: 4-63

Default: 5

slb

Specification	Value
Type	*object*

slb-value

Description 'enable': Enable SLB; 'disable': Disable SLB;

Type: string

Supported Values: enable, disable

Default: disable

tcp-threshold

Description configure packet threshold value to offload TCP sessions(default 5)

Type: number

Range: 4-63

Default: 5

udp-threshold

Description configure packet threshold value to offload UDP sessions(default 5)

Type: number

Range: 4-63

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cgn

Specification	Value
Type	*object*

enable

Description Enable distributed-forwarding for CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.51 scaleout distributed-forwarding cgn

Enable Scaleout distributed-forwarding for cgn

cgn Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cgn
Element URI	/axapi/v3/scaleout/distributed-forwarding/cgn
Element Attributes	cgn_attributes
Partition Visibility	shared
Schema	`cgn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/distributed-forwarding/cgn

cgn attributes

```
POST /axapi/v3/scaleout/distributed-forwarding/cgn
Payload:
{
    "cgn": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/scaleout/distributed-forwarding/cgn

cgn attributes

```
GET /axapi/v3/scaleout/distributed-forwarding/cgn
Reponse:
{
    "cgn": {
        "enable": 1,
        "uuid": "288572b4-b6dd-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/distributed-forwarding/cgn"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/distributed-forwarding/cgn

cgn attributes

Replace Object

PUT

/axapi/v3/scaleout/distributed-forwarding/cgn

cgn attributes

```
PUT /axapi/v3/scaleout/distributed-forwarding/cgn
Payload:
{
    "cgn": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/distributed-forwarding/cgn

cgn attributes

```
DELETE /axapi/v3/scaleout/distributed-forwarding/cgn
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

cgn attributes

enable

Description Enable distributed-forwarding for CGN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.52 scaleout distributed-forwarding fw

Enable Scaleout distributed-forwarding for fw

fw Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fw
Element URI	/axapi/v3/scaleout/distributed-forwarding/fw
Element Attributes	fw_attributes
Partition Visibility	shared
Schema	`fw schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/distributed-forwarding/fw

fw attributes

```
POST /axapi/v3/scaleout/distributed-forwarding/fw
Payload:
{
    "fw": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/scaleout/distributed-forwarding/fw

fw attributes

```
GET /axapi/v3/scaleout/distributed-forwarding/fw
Reponse:
{
    "fw": {
        "enable": 1,
        "session-offload-direction": "both",
        "threshold": {
            "global-threshold": 5
        },
        "uuid": "4cb69afa-b6dd-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/distributed-forwarding/fw"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/distributed-forwarding/fw

fw attributes

Replace Object

PUT

/axapi/v3/scaleout/distributed-forwarding/fw

fw attributes

```
PUT /axapi/v3/scaleout/distributed-forwarding/fw
Payload:
{
    "fw": {
        "enable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/distributed-forwarding/fw

fw attributes

fw attributes

enable

Description Enable distributed-forwarding for Firewall

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-offload-direction

Description 'uplink': Enable session offload only in uplink direction; 'downlink': Enable session offload in downlink direction; 'both': Enable session offload in both direction;

Type: string

Supported Values: uplink, downlink, both

Default: both

threshold

Description: threshold is a **JSON Block**. Please see below for *threshold*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

threshold

Specification	Value
Type	*object*

global-threshold

Description configure packet threshold value to offload sessions of any(TCP and UDP) protocol(default 5)

Type: number

Range: 4-63

Default: 5

Mutual Exclusion: global-threshold and protocol-value are mutually exclusive

protocol-threshold

Type: List

threshold_protocol-threshold

Specification	Value
Type	*list*
Block object keys	

protocol-value

Description 'UDP': configure threshold for udp session offload; 'TCP': configure threshold for tcp session offload;

Type: string

Supported Values: UDP, TCP

Mutual Exclusion: protocol-value and global-threshold are mutually exclusive

threshold-value

Description configure packet threshold value to offload sessions(default 5)

Type: number

Range: 4-63

Default: 5

2.111.53 scaleout distributed-forwarding slb

Enable Scaleout distributed-forwarding for slb

slb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb
Element URI	/axapi/v3/scaleout/distributed-forwarding/slb
Element Attributes	slb_attributes
Partition Visibility	shared
Schema	`slb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/distributed-forwarding/slb

slb attributes

```
POST /axapi/v3/scaleout/distributed-forwarding/slb
Payload:
{
    "slb": {
        "slb-value": "enable"
    }
}
```

Get Object

GET

/axapi/v3/scaleout/distributed-forwarding/slb

slb attributes

```
GET /axapi/v3/scaleout/distributed-forwarding/slb
Reponse:
{
    "slb": {
        "slb-value": "enable",
        "tcp-threshold": 5,
        "udp-threshold": 5,
        "uuid": "6f2b3758-b6dd-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/scaleout/distributed-forwarding/slb"
    }
}
```

Modify Object

POST

/axapi/v3/scaleout/distributed-forwarding/slb

slb attributes

Replace Object

PUT

/axapi/v3/scaleout/distributed-forwarding/slb

slb attributes

```
PUT /axapi/v3/scaleout/distributed-forwarding/slb
Payload:
{
    "slb": {
        "tcp-threshold": 5
    }
}
```

Delete Object

DELETE

/axapi/v3/scaleout/distributed-forwarding/slb

slb attributes

```
DELETE /axapi/v3/scaleout/distributed-forwarding/slb
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

slb attributes

slb-value

Description 'enable': Enable SLB; 'disable': Disable SLB;

Type: string

Supported Values: enable, disable

Default: disable

tcp-threshold

Description configure packet threshold value to offload TCP sessions(default 5)

Type: number

Range: 4-63

Default: 5

udp-threshold

Description configure packet threshold value to offload UDP sessions(default 5)

Type: number

Range: 4-63

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.54 scaleout status oper

Operational Status for the object status

status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	status
Element URI	/axapi/v3/scaleout/status/oper
Element Attributes	status_attributes
Partition Visibility	None
Schema	`status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/status/oper

status attributes

Get Object

GET

/axapi/v3/scaleout/status/oper

status attributes

Modify Object

POST

/axapi/v3/scaleout/status/oper

status attributes

Replace Object

PUT

/axapi/v3/scaleout/status/oper

status attributes

Delete Object

DELETE

/axapi/v3/scaleout/status/oper

status attributes

status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

active-interface-list

Type: List

advertised-redirect-ip-list

Type: List

advertised-redirect-ipv6-list

Type: List

advertised-session-sync-ip-list

Type: List

advertised-session-sync-ipv6-list

Type: List

cluster-mode

Description

Type: string

db_role

Description

Type: string

dest-redirect-ip-list

Type: List

dest-redirect-ipv6-list

Type: List

dest-session-sync-ip-list

Type: List

device-list

Type: List

exclude-interface-ip-list

Type: List

exclude-interface-ipv6-list

Type: List

follow-shared-redirection

Description

Type: number

follow-shared-session-sync

Description

Type: number

l2redirect

Description

Type: number

l2redirect-eth

Description

Type: number

l2redirect-operational

Description

Type: number

l2redirect-trunk

Description

Type: number

l2redirect-valid

Description

Type: number

l2redirect-vlan

Description

Type: number

role

Description

Type: string

oper_exclude-interface-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description

Type: string

oper_dest-session-sync-ip-list

Specification	Value
Type	*list*
Block object keys	

device-id

Description

Type: number

ip

Description

Type: string

ipv6

Description

Type: string

oper_advertised-session-sync-ip-list

Specification	Value
Type	*list*
Block object keys	

ip

Description

Type: string

oper_active-interface-list

Specification	Value
Type	*list*
Block object keys	

interface

Description

Type: string

oper_advertised-redirect-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description

Type: string

oper_dest-redirect-ip-list

Specification	Value
Type	*list*
Block object keys	

device-id

Description

Type: number

direction

Description

Type: string

ip

Description

Type: string

oper_advertised-redirect-ip-list

Specification	Value
Type	*list*
Block object keys	

ip

Description

Type: string

oper_device-list

Specification	Value
Type	*list*
Block object keys	

id

Description

Type: number

is-local

Description

Type: number

is-master

Description

Type: number

state

Description

Type: string

oper_dest-redirect-ipv6-list

Specification	Value
Type	*list*
Block object keys	

device-id

Description

Type: number

direction

Description

Type: string

ipv6

Description

Type: string

oper_advertised-session-sync-ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6

Description

Type: string

oper_exclude-interface-ip-list

Specification	Value
Type	*list*
Block object keys	

ip

Description

Type: string

2.111.55 scaleout traffic-map oper

Operational Status for the object traffic-map

traffic-map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	traffic-map
Element URI	/axapi/v3/scaleout/traffic-map/oper
Element Attributes	traffic-map_attributes
Partition Visibility	None
Schema	`traffic-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/traffic-map/oper

traffic-map attributes

Get Object

GET

/axapi/v3/scaleout/traffic-map/oper

traffic-map attributes

Modify Object

POST

/axapi/v3/scaleout/traffic-map/oper

traffic-map attributes

Replace Object

PUT

/axapi/v3/scaleout/traffic-map/oper

traffic-map attributes

Delete Object

DELETE

/axapi/v3/scaleout/traffic-map/oper

traffic-map attributes

traffic-map attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ipv4

Description

Type: boolean

Supported Values: true, false, 1, 0

ipv6

Description

Type: boolean

Supported Values: true, false, 1, 0

map-entries-list-head

Type: List

service-config-template

Description

Type: string

src-ip

Description

Type: string

Format: ipv4-address

src-ipv6

Description

Type: string

Format: ipv6-address

tbl-num

Description

Type: number

virtual-port

Description

Type: number

virtual-server

Description

Type: string

oper_map-entries-list-head

Specification	Value
Type	*list*
Block object keys	

map-entries-list

Type: List

running-device-num

Description

Type: number

service-name

Description

Type: string

service-type

Description

Type: string

user-grp-num

Description

Type: number

oper_map-entries-list-head_map-entries-list

Specification	Value
Type	*list*
Block object keys	

cur-active

Description

Type: number

cur-standby

Description

Type: number

new-active

Description

Type: number

new-standby

Description

Type: number

user-group

Description

Type: number

2.111.56 scaleout user-group-assignment

user-group-assignment Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	user-group-assignment
Element URI	/axapi/v3/scaleout/user-group-assignment
Element Attributes	user-group-assignment_attributes
Partition Visibility	shared
Schema	`user-group-assignment schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scaleout/user-group-assignment

user-group-assignment_attributes

user-group-assignment attributes

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

Reference Object: */axapi/v3/scaleout/user-group-assignment/address*

template-info

Description: template-info is a **JSON Block**. Please see below for *template-info*

Type: Object

Reference Object: */axapi/v3/scaleout/user-group-assignment/template-info*

template-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

address

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.57 scaleout user-group-assignment address oper

Operational Status for the object address

address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	address
Element URI	/axapi/v3/scaleout/user-group-assignment/address/oper
Element Attributes	address_attributes
Partition Visibility	None
Schema	`address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/user-group-assignment/address/oper

address attributes

Get Object

GET

/axapi/v3/scaleout/user-group-assignment/address/oper

address attributes

Modify Object

POST

/axapi/v3/scaleout/user-group-assignment/address/oper

address attributes

Replace Object

PUT

/axapi/v3/scaleout/user-group-assignment/address/oper

address attributes

Delete Object

DELETE

/axapi/v3/scaleout/user-group-assignment/address/oper

address attributes

address attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

active-node

Description

Type: number

application_type

Description

Type: string

ip

Description

Type: string

Format: ipv4-address

ipv6

Description

Type: string

Format: ipv6-address

service-template

Description

Type: string

standby-node

Description

Type: number

user-group

Description

Type: number

2.111.58 scaleout user-group-assignment-template

Configure scaleout user group assignment templates

user-group-assignment-template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*user-group-assignment-template-list*
Collection URI	/axapi/v3/scaleout/user-group-assignment-template
Element Name	user-group-assignment-template
Element URI	/axapi/v3/scaleout/user-group-assignment-template/{name}
Element Attributes	user-group-assignment-template_attributes
Partition Visibility	shared
Schema	`user-group-assignment-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/user-group-assignment-template

user-group-assignment-template attributes

Create List

POST

/axapi/v3/scaleout/user-group-assignment-template

user-group-assignment-template attributes

Get Object

GET

/axapi/v3/scaleout/user-group-assignment-template/{name}

user-group-assignment-template attributes

Get List

GET

/axapi/v3/scaleout/user-group-assignment-template

user-group-assignment-template-list

Modify Object

POST

/axapi/v3/scaleout/user-group-assignment-template/{name}

user-group-assignment-template attributes

Replace Object

PUT

/axapi/v3/scaleout/user-group-assignment-template/{name}

user-group-assignment-template attributes

Replace List

PUT

/axapi/v3/scaleout/user-group-assignment-template

user-group-assignment-template-list

Delete Object

DELETE

/axapi/v3/scaleout/user-group-assignment-template/{name}

user-group-assignment-template attributes

user-group-assignment-template-list

user-group-assignment-template-list is **JSON List** of *user-group-assignment-template attributes*

```
user-group-assignment-template-list : [
        { user-group-assignment-template attributes },
        { user-group-assignment-template attributes },
        ...
    ]
```

user-group-assignment-template attributes

name

Description Scaleout User Group Assignment Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-assignment-list

Type: List

Reference Object: */axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment/{ipv4-prefix}*

v6-assignment-list

Type: List

Reference Object: */axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment/{ipv6-prefix}*

v6-assignment-list

Specification	Value
Type	*list*
Block object keys	

assignment-prefix-length

Description User group assignment prefix length, default is 128

Type: number

Range: 1-128

Default: 128

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

service-config-template

Description Configure a scaleout service config template to use

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

user-group-range-end

Description User group range end

Type: number

Range: 0-255

user-group-range-start

Description User group range start

Type: number

Range: 0-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-assignment-list

Specification	Value
Type	*list*
Block object keys	

assignment-prefix-length

Description User group assignment prefix length, default is 32

Type: number

Range: 1-32

Default: 32

ipv4-prefix

Description IPv4 prefix

Type: string

Format: ipv4-cidr

service-config-template

Description

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

user-group-range-end

Description User group range end

Type: number

Range: 0-255

user-group-range-start

Description User group range start

Type: number

Range: 0-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.59 scaleout user-group-assignment template-info oper

Operational Status for the object template-info

template-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	template-info
Element URI	/axapi/v3/scaleout/user-group-assignment/template-info/oper
Element Attributes	template-info_attributes
Partition Visibility	None
Schema	`template-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/user-group-assignment/template-info/oper

template-info attributes

Get Object

GET

/axapi/v3/scaleout/user-group-assignment/template-info/oper

template-info attributes

Modify Object

POST

/axapi/v3/scaleout/user-group-assignment/template-info/oper

template-info attributes

Replace Object

PUT

/axapi/v3/scaleout/user-group-assignment/template-info/oper

template-info attributes

Delete Object

DELETE

/axapi/v3/scaleout/user-group-assignment/template-info/oper

template-info attributes

template-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

assignment-list

Type: List

name

Description

Type: string

oper_assignment-list

Specification	Value
Type	*list*
Block object keys	

address-prefix

Description

Type: string

ip-count-per-prefix

Description

Type: number

prefixes-count

Description

Type: number

prefixes-per-user-group

Description

Type: number

user-group-range-end

Description

Type: number

user-group-range-start

Description

Type: number

2.111.60 scaleout user-group-assignment-template v4-assignment

Configure scaleout user group assignment

v4-assignment Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4-prefix*
Collection Name	*v4-assignment-list*
Collection URI	/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment
Element Name	v4-assignment
Element URI	/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment/{ipv4-prefix}
Element Attributes	v4-assignment_attributes
Partition Visibility	shared
Schema	`v4-assignment schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment

v4-assignment attributes

Create List

POST

/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment

v4-assignment attributes

Get Object

GET

/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment/{ipv4-prefix}

v4-assignment attributes

Get List

GET

/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment

v4-assignment-list

Modify Object

POST

/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment/{ipv4-prefix}

v4-assignment attributes

Replace Object

PUT

/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment/{ipv4-prefix}

v4-assignment attributes

Replace List

PUT

/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment

v4-assignment-list

Delete Object

DELETE

/axapi/v3/scaleout/user-group-assignment-template/{name}/v4-assignment/{ipv4-prefix}

v4-assignment attributes

v4-assignment-list

v4-assignment-list is **JSON List** of *v4-assignment attributes*

```
v4-assignment-list : [
        { v4-assignment attributes },
        { v4-assignment attributes },
        ...
    ]
```

v4-assignment attributes

assignment-prefix-length

Description User group assignment prefix length, default is 32

Type: number

Range: 1-32

Default: 32

ipv4-prefix

Description IPv4 prefix

Type: string

Format: ipv4-cidr

service-config-template

Description

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

user-group-range-end

Description User group range end

Type: number

Range: 0-255

user-group-range-start

Description User group range start

Type: number

Range: 0-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.111.61 scaleout user-group-assignment-template v6-assignment

Configure scaleout user group assignment

v6-assignment Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-prefix*
Collection Name	*v6-assignment-list*
Collection URI	/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment
Element Name	v6-assignment
Element URI	/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment/{ipv6-prefix}
Element Attributes	v6-assignment_attributes
Partition Visibility	shared
Schema	`v6-assignment schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment

v6-assignment attributes

Create List

POST

/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment

v6-assignment attributes

Get Object

GET

/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment/{ipv6-prefix}

v6-assignment attributes

Get List

GET

/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment

v6-assignment-list

Modify Object

POST

/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment/{ipv6-prefix}

v6-assignment attributes

Replace Object

PUT

/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment/{ipv6-prefix}

v6-assignment attributes

Replace List

PUT

/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment

v6-assignment-list

Delete Object

DELETE

/axapi/v3/scaleout/user-group-assignment-template/{name}/v6-assignment/{ipv6-prefix}

v6-assignment attributes

v6-assignment-list

v6-assignment-list is **JSON List** of *v6-assignment attributes*

v6-assignment-list : [

{ *v6-assignment attributes* },

{ *v6-assignment attributes* },

...

]

v6-assignment attributes

assignment-prefix-length

Description User group assignment prefix length, default is 128

Type: number

Range: 1-128

Default: 128

ipv6-prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

service-config-template

Description Configure a scaleout service config template to use

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

user-group-range-end

Description User group range end

Type: number

Range: 0-255

user-group-range-start

Description User group range start

Type: number

Range: 0-255

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.112 scm

Objects:

2.112.1 scm

Configure Scm Parameters

scm Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	scm
Element URI	/axapi/v3/scm
Element Attributes	scm_attributes
Partition Visibility	shared
Schema	`scm schema`

Operations Allowed:

Get Object

GET

/axapi/v3/scm

scm_attributes

scm attributes

license-src-info

Description: license-src-info is a **JSON Block**. Please see below for *license-src-info*

Type: Object

Reference Object: */axapi/v3/scm/license-src-info*

licensecpe

Description: licensecpe is a **JSON Block**. Please see below for *licensecpe*

Type: Object

Reference Object: */axapi/v3/scm/licensecpe*

licenseinfo

Description: licenseinfo is a **JSON Block**. Please see below for *licenseinfo*

Type: Object

Reference Object: */axapi/v3/scm/licenseinfo*

licensestatus

Description: licensestatus is a **JSON Block**. Please see below for *licensestatus*

Type: Object

Reference Object: */axapi/v3/scm/licensestatus*

license-src-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

licensestatus

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

licenseinfo

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

licensecpe

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.112.2 scm license-src-info oper

Operational Status for the object license-src-info

license-src-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	license-src-info
Element URI	/axapi/v3/scm/license-src-info/oper
Element Attributes	license-src-info_attributes
Partition Visibility	None
Schema	`license-src-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scm/license-src-info/oper

license-src-info attributes

Get Object

GET

/axapi/v3/scm/license-src-info/oper

license-src-info attributes

Modify Object

POST

/axapi/v3/scm/license-src-info/oper

license-src-info attributes

Replace Object

PUT

/axapi/v3/scm/license-src-info/oper

license-src-info attributes

Delete Object

DELETE

/axapi/v3/scm/license-src-info/oper

license-src-info attributes

license-src-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

billing-serial

Description

Type: string

burst

Description

Type: string

glm-ping-interval

Description

Type: number

hw-serialno

Description

Type: string

platform

Description

Type: string

product

Description

Type: string

product-desc

Description

Type: string

source1

Description

Type: string

source1-module-list

Type: List

source2

Description

Type: string

source2-module-list

Type: List

source3

Description

Type: string

source3-module-list

Type: List

token

Description

Type: string

usb-uuid

Description

Type: string

uuid

Description

Type: string

version

Description

Type: string

oper_source3-module-list

Specification	Value
Type	*list*
Block object keys	

source3-expiry

Description

Type: string

source3-module

Description

Type: string

source3-notes

Description

Type: string

oper_source2-module-list

Specification	Value
Type	*list*
Block object keys	

source2-expiry

Description

Type: string

source2-module

Description

Type: string

source2-notes

Description

Type: string

oper_source1-module-list

Specification	Value
Type	*list*
Block object keys	

source1-expiry

Description

Type: string

source1-module

Description

Type: string

source1-notes

Description

Type: string

2.112.3 scm licensecpe oper

Operational Status for the object licensecpe

licensecpe Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	licensecpe
Element URI	/axapi/v3/scm/licensecpe/oper
Element Attributes	licensecpe_attributes
Partition Visibility	None
Schema	`licensecpe schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scm/licensecpe/oper

licensecpe attributes

Get Object

GET

/axapi/v3/scm/licensecpe/oper

licensecpe attributes

Modify Object

POST

/axapi/v3/scm/licensecpe/oper

licensecpe attributes

Replace Object

PUT

/axapi/v3/scm/licensecpe/oper

licensecpe attributes

Delete Object

DELETE

/axapi/v3/scm/licensecpe/oper

licensecpe attributes

licensecpe attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpe

Description

Type: string

platform

Description

Type: string

product

Description

Type: string

uuid

Description

Type: string

2.112.4 scm licenseinfo oper

Operational Status for the object licenseinfo

licenseinfo Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	licenseinfo
Element URI	/axapi/v3/scm/licenseinfo/oper
Element Attributes	licenseinfo_attributes
Partition Visibility	None
Schema	`licenseinfo schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scm/licenseinfo/oper

licenseinfo attributes

Get Object

GET

/axapi/v3/scm/licenseinfo/oper

licenseinfo attributes

Modify Object

POST

/axapi/v3/scm/licenseinfo/oper

licenseinfo attributes

Replace Object

PUT

/axapi/v3/scm/licenseinfo/oper

licenseinfo attributes

Delete Object

DELETE

/axapi/v3/scm/licenseinfo/oper

licenseinfo attributes

licenseinfo attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

billing-serial

Description

Type: string

burst

Description

Type: string

glm-ping-interval

Description

Type: number

hw-serialno

Description

Type: string

module-list

Type: List

platform

Description

Type: string

product

Description

Type: string

product-desc

Description

Type: string

token

Description

Type: string

usb-uuid

Description

Type: string

uuid

Description

Type: string

version

Description

Type: string

oper_module-list

Specification	Value
Type	*list*
Block object keys	

expiry

Description

Type: string

module

Description

Type: string

notes

Description

Type: string

2.112.5 scm licensestatus oper

Operational Status for the object licensestatus

licensestatus Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	licensestatus
Element URI	/axapi/v3/scm/licensestatus/oper
Element Attributes	licensestatus_attributes
Partition Visibility	None
Schema	`licensestatus schema`

Operations Allowed:

Create Object

POST

/axapi/v3/scm/licensestatus/oper

licensestatus attributes

Get Object

GET

/axapi/v3/scm/licensestatus/oper

licensestatus attributes

Modify Object

POST

/axapi/v3/scm/licensestatus/oper

licensestatus attributes

Replace Object

PUT

/axapi/v3/scm/licensestatus/oper

licensestatus attributes

Delete Object

DELETE

/axapi/v3/scm/licensestatus/oper

licensestatus attributes

licensestatus attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

license-list

Type: List

primary-org-email

Description

Type: string

primary-org-id

Description

Type: string

oper_license-list

Specification	Value
Type	*list*
Block object keys	

license-name

Description

Type: string

license-type

Description

Type: string

org-name

Description

Type: string

status

Description

Type: string

2.113 sctp

Objects:

2.113.1 sctp

SCTP

sctp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	sctp
Element URI	/axapi/v3/sctp
Element Attributes	sctp_attributes
Partition Visibility	shared
Schema	`sctp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sctp

sctp_attributes

sctp attributes

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Reference Object: */axapi/v3/sctp/global*

global

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sctp-static-nat-session-created': SCTP Static NAT Session Created; 'sctp-static-nat-session-deleted': SCTP Static NAT Session Deleted; 'sctp-fw-session-created': SCTP Firewall Session Created; 'sctp-fw-session-deleted': SCTP Firewall Session Deleted; 'pkt-err-drop': Packet Error Drop; 'bad-csum': Bad Checksum; 'bad-payload-drop': Bad Payload Drop; 'bad-alignment-drop': Bad Alignment Drop; 'oos-pkt-drop': Out-of-state Packet Drop; 'max-multi-home-drop': Maximum Multi-homing IP Addresses Drop; 'multi-home-remove-ip-skip': Multi-homing Remove IP Parameter Skip; 'multi-home-addr-not-found-drop': Multi-homing IP Address Not Found Drop; 'static-nat-cfg-not-found': Static NAT Config Not Found Drop; 'cfg-err-drop': Configuration Error Drop; 'vrrp-standby-drop': NAT Resource VRRP-A Standby Drop; 'invalid-frag-chunk-drop': Invalid Fragmented Chunks Drop; 'disallowed-chunk-filtered': Disallowed Chunk Filtered; 'disallowed-pkt-drop': Disallowed

Packet Drop; 'rate-limit-drop': Rate-limit Drop; 'sby-session-created': Standby Session Created; 'sby-session-create-fail': Standby Session Create Failed; 'sby-session-updated': Standby Session Updated; 'sby-session-update-fail': Standby Session Update Failed; 'sby-static-nat-cfg-not-found': Static NAT Config Not Found on Standby; 'sctp-out-of-system-memory': Out of System Memory; 'conn_ext_size_max': Max Conn Extension Size; 'bad-csum-shadow': Bad Checksum Shadow; 'bad-payload-drop-shadow': Bad Packet Payload Drop Shadow; 'bad-alignment-drop-shadow': Bad Packet Alignment Drop Shadow; 'sctp-chunk-type-init': SCTP Chunk Type INIT; 'sctp-chunk-type-init-ack': SCTP Chunk Type INIT-ACK; 'sctp-chunk-type-cookie-echo': SCTP Chunk Type COOKIE-ECHO; 'sctp-chunk-type-cookie-ack': SCTP Chunk Type COOKIE-ACK; 'sctp-chunk-type-sack': SCTP Chunk Type SACK; 'sctp-chunk-type-asconf': SCTP Chunk Type ASCONF; 'sctp-chunk-type-asconf-ack': SCTP Chunk Type ASCONF-ACK; 'sctp-chunk-type-data': SCTP Chunk Type DATA; 'sctp-chunk-type-abort': SCTP Chunk Type ABORT; 'sctp-chunk-type-shutdown': SCTP Chunk Type SHUTDOWN; 'sctp-chunk-type-shutdown-ack': SCTP Chunk Type SHUTDOWN-ACK; 'sctp-chunk-type-shutdown-complete': SCTP Chunk Type SHUTDOWN-COMPLETE; 'sctp-chunk-type-error-op': SCTP Chunk Type ERROR-OP; 'sctp-chunk-type-heartbeat': SCTP Chunk Type HEARTBEAT; 'sctp-chunk-type-heartbeat-ack': SCTP Chunk Type HEARTBEAT-ACK; 'sctp-chunk-type-other': SCTP Chunk Type OTHER; 'sctp-heartbeat-no-tuple': SCTP HEARTBEAT/ACK no tuple found; 'sctp-data-no-tuple': SCTP DATA chunk no tuple found; 'sctp-data-no-ext-match': SCTP DATA no extended match found; 'sctp-chunk-type-init-drop': SCTP Chunk Type INIT drop; 'sctp-chunk-type-init-ack-drop': SCTP Chunk Type INIT-ACK drop; 'sctp-chunk-type-shutdown-complete-drop': SCTP Chunk Type SHUTDOWN-COMPLETE drop; 'sctp-chunk-type-abort-data-drop': SCTP Chunk Type with ABORT and DATA drop; 'sctp-chunk-heart-beat-clubbed': SCTP HEARTBEAT chunk with other chunk; 'sctp-retx-init-ack-drop': SCTP Chunk Type INIT_ACK with retx mismatched vtag drop; 'sctp-route-err-heartbeat-drop': SCTP HEARTBEAT ROUTE lookup failed drop; 'sctp-reroute-failover': SCTP REROUTE lookup for chunks other than HEARTBEAT; 'sctp-route-err-drop': SCTP ROUTE lookup failed for chunks other than HEARTBEAT drop; 'sctp-no-ext-match': SCTP no extended match found; 'sctp-retx-init-ack': SCTP Chunk Type INIT_ACK retransmitted; 'sctp-retx-init-drop': SCTP Retransmitted INIT drop; 'sctp-retx-init': SCTP Retransmitted INIT; 'sctp-asconf-process-drop': SCTP ASCONF process drop; 'sctp-init-vtag-zero-drop': SCTP INIT VTAG ZERO drop; 'pkt-len-err-drop': Invalid Packet Length Drop; 'pkt-chunk-len-err-drop': Invalid Chunk Length Drop; 'pkt-asconf-param-len-err-drop': Invalid Parameter Length Drop;

Type: string

Supported Values: all, sctp-static-nat-session-created, sctp-static-nat-session-deleted, sctp-fw-session-created, sctp-fw-session-deleted, pkt-err-drop, bad-csum, bad-payload-drop, bad-alignment-drop, oos-pkt-drop, max-multi-home-drop, multi-home-remove-ip-skip, multi-home-addr-not-found-drop, static-nat-cfg-not-found, cfg-err-drop, vrrp-standby-drop, invalid-frag-chunk-drop, disallowed-chunk-filtered, disallowed-pkt-drop, rate-limit-drop, sby-session-created, sby-session-create-fail, sby-session-updated, sby-session-update-fail, sby-static-nat-cfg-not-found, sctp-out-of-system-memory, conn_ext_size_max, bad-csum-shadow, bad-payload-drop-shadow, bad-alignment-drop-shadow, sctp-chunk-type-init, sctp-chunk-type-init-ack, sctp-chunk-type-cookie-echo, sctp-chunk-type-cookie-ack, sctp-chunk-type-sack, sctp-chunk-type-asconf, sctp-chunk-type-asconf-ack, sctp-chunk-type-data, sctp-chunk-type-abort, sctp-chunk-type-shutdown, sctp-chunk-type-shutdown-ack, sctp-chunk-type-shutdown-complete, sctp-chunk-type-error-op, sctp-chunk-type-heartbeat, sctp-chunk-type-heartbeat-ack, sctp-chunk-type-other, sctp-heartbeat-no-tuple, sctp-data-no-tuple, sctp-data-no-ext-match, sctp-chunk-type-init-drop, sctp-chunk-type-init-ack-drop, sctp-chunk-type-shutdown-complete-drop, sctp-chunk-type-abort-data-drop, sctp-chunk-heart-beat-clubbed, sctp-retx-init-ack-drop, sctp-route-err-heartbeat-drop, sctp-reroute-failover, sctp-route-err-drop, sctp-no-ext-match, sctp-retx-init-ack, sctp-retx-init-drop, sctp-retx-init, sctp-asconf-process-drop, sctp-init-vtag-zero-drop, pkt-len-err-drop, pkt-chunk-len-err-drop, pkt-asconf-param-len-err-drop

2.113.2 sctp global

SCTP Statistics

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/sctp/global
Element Attributes	global_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/sctp/global/stats
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sctp/global

global attributes

Get Object

GET

/axapi/v3/sctp/global

global attributes

Modify Object

POST

/axapi/v3/sctp/global

global attributes

Replace Object

PUT

/axapi/v3/sctp/global

global attributes

Delete Object

DELETE

/axapi/v3/sctp/global

global attributes

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sctp-static-nat-session-created': SCTP Static NAT Session Created; 'sctp-static-nat-session-deleted': SCTP Static NAT Session Deleted; 'sctp-fw-session-created': SCTP Firewall Session Created; 'sctp-fw-session-deleted': SCTP Firewall Session Deleted; 'pkt-err-drop': Packet Error Drop; 'bad-csum': Bad Checksum; 'bad-payload-drop': Bad Payload Drop; 'bad-alignment-drop': Bad Alignment Drop; 'oos-pkt-drop': Out-of-state Packet Drop; 'max-multi-home-drop': Maximum Multi-homing IP Addresses Drop; 'multi-home-remove-ip-skip': Multi-homing Remove IP Parameter Skip; 'multi-home-addr-not-found-drop': Multi-homing IP Address Not Found Drop; 'static-nat-cfg-not-found': Static NAT Config Not Found Drop; 'cfg-err-drop': Configuration Error Drop; 'vrrp-standby-drop': NAT Resource VRRP-A Standby Drop; 'invalid-frag-chunk-drop': Invalid Fragmented Chunks Drop; 'disallowed-chunk-filtered': Disallowed Chunk Filtered; 'disallowed-pkt-drop': Disallowed Packet Drop; 'rate-limit-drop': Rate-limit Drop; 'sby-session-created': Standby Session Created; 'sby-session-create-fail': Standby Session Create Failed; 'sby-session-updated': Standby Session Updated; 'sby-session-update-fail': Standby Session Update Failed; 'sby-static-nat-cfg-not-found': Static NAT Config Not Found on Standby; 'sctp-out-of-system-memory': Out of System Memory; 'conn_ext_size_max': Max Conn Extension Size; 'bad-csum-shadow': Bad Checksum Shadow; 'bad-payload-drop-shadow': Bad Packet Payload Drop Shadow; 'bad-alignment-drop-shadow': Bad Packet Alignment Drop Shadow; 'sctp-chunk-type-init': SCTP Chunk Type INIT; 'sctp-chunk-type-init-ack': SCTP Chunk Type INIT-ACK; 'sctp-chunk-type-cookie-echo': SCTP Chunk Type COOKIE-ECHO; 'sctp-chunk-type-cookie-ack': SCTP Chunk Type COOKIE-ACK; 'sctp-chunk-type-sack': SCTP Chunk Type SACK; 'sctp-chunk-type-asconf': SCTP Chunk Type ASCONF; 'sctp-chunk-type-asconf-ack': SCTP Chunk Type ASCONF-ACK; 'sctp-chunk-type-data': SCTP Chunk Type DATA; 'sctp-chunk-type-abort': SCTP Chunk Type ABORT; 'sctp-chunk-type-shutdown': SCTP Chunk Type SHUTDOWN; 'sctp-chunk-type-shutdown-ack': SCTP Chunk Type SHUTDOWN-ACK; 'sctp-chunk-type-shutdown-complete': SCTP Chunk Type SHUTDOWN-COMPLETE; 'sctp-chunk-type-error-op': SCTP Chunk Type ERROR-OP; 'sctp-chunk-type-heartbeat': SCTP Chunk Type HEARTBEAT; 'sctp-chunk-type-heartbeat-ack': SCTP Chunk Type HEARTBEAT-ACK; 'sctp-chunk-type-other': SCTP Chunk Type OTHER; 'sctp-heartbeat-no-tuple': SCTP HEARTBEAT/ACK no tuple found; 'sctp-data-no-tuple': SCTP DATA chunk no tuple found; 'sctp-data-no-ext-match': SCTP DATA no extended match found; 'sctp-chunk-type-init-drop': SCTP Chunk

Type INIT drop; 'sctp-chunk-type-init-ack-drop': SCTP Chunk Type INIT-ACK drop; 'sctp-chunk-type-shutdown-complete-drop': SCTP Chunk Type SHUTDOWN-COMPLETE drop; 'sctp-chunk-type-abort-data-drop': SCTP Chunk Type with ABORT and DATA drop; 'sctp-chunk-heart-beat-clubbed': SCTP HEARTBEAT chunk with other chunk; 'sctp-retx-init-ack-drop': SCTP Chunk Type INIT_ACK with retx mismatched vtag drop; 'sctp-route-err-heartbeat-drop': SCTP HEARTBEAT ROUTE lookup failed drop; 'sctp-reroute-failover': SCTP REROUTE lookup for chunks other than HEARTBEAT; 'sctp-route-err-drop': SCTP ROUTE lookup failed for chunks other than HEARTBEAT drop; 'sctp-no-ext-match': SCTP no extended match found; 'sctp-retx-init-ack': SCTP Chunk Type INIT_ACK retransmitted; 'sctp-retx-init-drop': SCTP Retransmitted INIT drop; 'sctp-retx-init': SCTP Retransmitted INIT; 'sctp-asconf-process-drop': SCTP ASCONF process drop; 'sctp-init-vtag-zero-drop': SCTP INIT VTAG ZERO drop; 'pkt-len-err-drop': Invalid Packet Length Drop; 'pkt-chunk-len-err-drop': Invalid Chunk Length Drop; 'pkt-asconf-param-len-err-drop': Invalid Parameter Length Drop;

Type: string

Supported Values: all, sctp-static-nat-session-created, sctp-static-nat-session-deleted, sctp-fw-session-created, sctp-fw-session-deleted, pkt-err-drop, bad-csum, bad-payload-drop, bad-alignment-drop, oos-pkt-drop, max-multi-home-drop, multi-home-remove-ip-skip, multi-home-addr-not-found-drop, static-nat-cfg-not-found, cfg-err-drop, vrrp-standby-drop, invalid-frag-chunk-drop, disallowed-chunk-filtered, disallowed-pkt-drop, rate-limit-drop, sby-session-created, sby-session-create-fail, sby-session-updated, sby-session-update-fail, sby-static-nat-cfg-not-found, sctp-out-of-system-memory, conn_ext_size_max, bad-csum-shadow, bad-payload-drop-shadow, bad-alignment-drop-shadow, sctp-chunk-type-init, sctp-chunk-type-init-ack, sctp-chunk-type-cookie-echo, sctp-chunk-type-cookie-ack, sctp-chunk-type-sack, sctp-chunk-type-asconf, sctp-chunk-type-asconf-ack, sctp-chunk-type-data, sctp-chunk-type-abort, sctp-chunk-type-shutdown, sctp-chunk-type-shutdown-ack, sctp-chunk-type-shutdown-complete, sctp-chunk-type-error-op, sctp-chunk-type-heartbeat, sctp-chunk-type-heartbeat-ack, sctp-chunk-type-other, sctp-heartbeat-no-tuple, sctp-data-no-tuple, sctp-data-no-ext-match, sctp-chunk-type-init-drop, sctp-chunk-type-init-ack-drop, sctp-chunk-type-shutdown-complete-drop, sctp-chunk-type-abort-data-drop, sctp-chunk-heart-beat-clubbed, sctp-retx-init-ack-drop, sctp-route-err-heartbeat-drop, sctp-reroute-failover, sctp-route-err-drop, sctp-no-ext-match, sctp-retx-init-ack, sctp-retx-init-drop, sctp-retx-init, sctp-asconf-process-drop, sctp-init-vtag-zero-drop, pkt-len-err-drop, pkt-chunk-len-err-drop, pkt-asconf-param-len-err-drop

2.113.3 sctp global stats

Statistics for the object global

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/sctp/global/stats
Element Attributes	global_attributes
Partition Visibility	None
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sctp/global/stats

global attributes

Get Object

GET

/axapi/v3/sctp/global/stats

global attributes

Modify Object

POST

/axapi/v3/sctp/global/stats

global attributes

Replace Object

PUT

/axapi/v3/sctp/global/stats

global attributes

Delete Object

DELETE

/axapi/v3/sctp/global/stats

global attributes

global attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad-alignment-drop

Description Bad Alignment Drop

Type: number

Format: counter

bad-csum

Description Bad Checksum

Type: number

Format: counter

bad-payload-drop

Description Bad Payload Drop

Type: number

Format: counter

cfg-err-drop

Description Configuration Error Drop

Type: number

Format: counter

disallowed-chunk-filtered

Description Disallowed Chunk Filtered

Type: number

Format: counter

disallowed-pkt-drop

Description Disallowed Packet Drop

Type: number

Format: counter

invalid-frag-chunk-drop

Description Invalid Fragmented Chunks Drop

Type: number

Format: counter

max-multi-home-drop

Description Maximum Multi-homing IP Addresses Drop

Type: number

Format: counter

multi-home-addr-not-found-drop

Description Multi-homing IP Address Not Found Drop

Type: number

Format: counter

multi-home-remove-ip-skip

Description Multi-homing Remove IP Parameter Skip

Type: number

Format: counter

oos-pkt-drop

Description Out-of-state Packet Drop

Type: number

Format: counter

pkt-asconf-param-len-err-drop

Description Invalid Parameter Length Drop

Type: number

Format: counter

pkt-chunk-len-err-drop

Description Invalid Chunk Length Drop

Type: number

Format: counter

pkt-err-drop

Description Packet Error Drop

Type: number

Format: counter

pkt-len-err-drop

Description Invalid Packet Length Drop

Type: number

Format: counter

rate-limit-drop

Description Rate-limit Drop

Type: number

Format: counter

sby-session-create-fail

Description Standby Session Create Failed

Type: number

Format: counter

sby-session-created

Description Standby Session Created

Type: number

Format: counter

sby-session-update-fail

Description Standby Session Update Failed

Type: number

Format: counter

sby-session-updated

Description Standby Session Updated

Type: number

Format: counter

sby-static-nat-cfg-not-found

Description Static NAT Config Not Found on Standby

Type: number

Format: counter

sctp-asconf-process-drop

Description SCTP ASCONF process drop

Type: number

Format: counter

sctp-chunk-heart-beat-clubbed

Description SCTP HEARTBEAT chunk with other chunk

Type: number

Format: counter

sctp-chunk-type-abort

Description SCTP Chunk Type ABORT

Type: number

Format: counter

sctp-chunk-type-abort-data-drop

Description SCTP Chunk Type with ABORT and DATA drop

Type: number

Format: counter

sctp-chunk-type-asconf

Description SCTP Chunk Type ASCONF

Type: number

Format: counter

sctp-chunk-type-asconf-ack

Description SCTP Chunk Type ASCONF-ACK

Type: number

Format: counter

sctp-chunk-type-cookie-ack

Description SCTP Chunk Type COOKIE-ACK

Type: number

Format: counter

sctp-chunk-type-cookie-echo

Description SCTP Chunk Type COOKIE-ECHO

Type: number

Format: counter

sctp-chunk-type-data

Description SCTP Chunk Type DATA

Type: number

Format: counter

sctp-chunk-type-error-op

Description SCTP Chunk Type ERROR-OP

Type: number

Format: counter

sctp-chunk-type-heartbeat

Description SCTP Chunk Type HEARTBEAT

Type: number

Format: counter

sctp-chunk-type-heartbeat-ack

Description SCTP Chunk Type HEARTBEAT-ACK

Type: number

Format: counter

sctp-chunk-type-init

Description SCTP Chunk Type INIT

Type: number

Format: counter

sctp-chunk-type-init-ack

Description SCTP Chunk Type INIT-ACK

Type: number

Format: counter

sctp-chunk-type-init-ack-drop

Description SCTP Chunk Type INIT-ACK drop

Type: number

Format: counter

sctp-chunk-type-init-drop

Description SCTP Chunk Type INIT drop

Type: number

Format: counter

sctp-chunk-type-other

Description SCTP Chunk Type OTHER

Type: number

Format: counter

sctp-chunk-type-sack

Description SCTP Chunk Type SACK

Type: number

Format: counter

sctp-chunk-type-shutdown

Description SCTP Chunk Type SHUTDOWN

Type: number

Format: counter

sctp-chunk-type-shutdown-ack

Description SCTP Chunk Type SHUTDOWN-ACK

Type: number

Format: counter

sctp-chunk-type-shutdown-complete

Description SCTP Chunk Type SHUTDOWN-COMPLETE

Type: number

Format: counter

sctp-chunk-type-shutdown-complete-drop

Description SCTP Chunk Type SHUTDOWN-COMPLETE drop

Type: number

Format: counter

sctp-data-no-ext-match

Description SCTP DATA no extended match found

Type: number

Format: counter

sctp-data-no-tuple

Description SCTP DATA chunk no tuple found

Type: number

Format: counter

sctp-fw-session-created

Description SCTP Firewall Session Created

Type: number

Format: counter

sctp-fw-session-deleted

Description SCTP Firewall Session Deleted

Type: number

Format: counter

sctp-heartbeat-no-tuple

Description SCTP HEARTBEAT/ACK no tuple found

Type: number

Format: counter

sctp-init-vtag-zero-drop

Description SCTP INIT VTAG ZERO drop

Type: number

Format: counter

sctp-no-ext-match

Description SCTP no extended match found

Type: number

Format: counter

sctp-reroute-failover

Description SCTP REROUTE lookup for chunks other than HEARTBEAT

Type: number

Format: counter

sctp-retx-init

Description SCTP Retransmitted INIT

Type: number

Format: counter

sctp-retx-init-ack

Description SCTP Chunk Type INIT_ACK retransmitted

Type: number

Format: counter

sctp-retx-init-ack-drop

Description SCTP Chunk Type INIT_ACK with retx mismatched vtag drop

Type: number

Format: counter

sctp-retx-init-drop

Description SCTP Retransmitted INIT drop

Type: number

Format: counter

sctp-route-err-drop

Description SCTP ROUTE lookup failed for chunks other than HEARTBEAT drop

Type: number

Format: counter

sctp-route-err-heartbeat-drop

Description SCTP HEARTBEAT ROUTE lookup failed drop

Type: number

Format: counter

sctp-static-nat-session-created

Description SCTP Static NAT Session Created

Type: number

Format: counter

sctp-static-nat-session-deleted

Description SCTP Static NAT Session Deleted

Type: number

Format: counter

static-nat-cfg-not-found

Description Static NAT Config Not Found Drop

Type: number

Format: counter

vrrp-standby-drop

Description NAT Resource VRRP-A Standby Drop

Type: number

Format: counter

2.114 service-partition

Objects:

2.114.1 service-partition

Create/unload a service partition

service-partition Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*partition-name*
Collection Name	*service-partition-list*
Collection URI	/axapi/v3/service-partition
Element Name	service-partition
Element URI	/axapi/v3/service-partition/{partition-name}
Element Attributes	service-partition_attributes
Partition Visibility	shared
Schema	`service-partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/service-partition

service-partition attributes

```
POST /axapi/v3/service-partition/
Payload:
{
    "service-partition": {
        "partition-name": "a",
        "application-type": "adc",
        "id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/service-partition

service-partition attributes

Get Object

GET

/axapi/v3/service-partition/{partition-name}

service-partition attributes

```
GET /axapi/v3/service-partition/a
Reponse:
{
    "service-partition": {
        "partition-name": "a",
        "id": 1,
```

(continues on next page)

(continued from previous page)

```
        "application-type": "adc",
        "follow-vrid": 0,
        "uuid": "133485d4-b6de-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/service-partition/a"
    }
}
```

Get List

GET

/axapi/v3/service-partition

service-partition-list

Modify Object

POST

/axapi/v3/service-partition/{partition-name}

service-partition attributes

Delete Object

DELETE

/axapi/v3/service-partition/{partition-name}

service-partition attributes

```
DELETE /axapi/v3/service-partition/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

service-partition-list

service-partition-list is **JSON List** of *service-partition attributes*

service-partition-list : [

{ *service-partition attributes* },

{ *service-partition attributes* },

...

]

service-partition attributes

application-type

Description 'adc': Application type ADC;

Type: string

Supported Values: adc

follow-vrid

Description Join a vrrp group (Specify ha VRRP-A vrid)

Type: number

Range: 0-31

Default: 0

Reference Object: */axapi/v3/vrrp-a/vrid*

id

Description Specify unique service partition id

Type: number

partition-name

Description Object service partition name

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.115 session-filter

Objects:

2.115.1 session-filter

Create a convenience Filter to display/clear sessions

session-filter Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*session-filter-list*
Collection URI	/axapi/v3/session-filter
Element Name	session-filter
Element URI	/axapi/v3/session-filter/{name}
Element Attributes	session-filter_attributes
Partition Visibility	shared
Schema	`session-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/session-filter

session-filter attributes

```
POST /axapi/v3/session-filter/
Payload:
{
    "session-filter": {
        "set": 1,
        "name": "a",
        "filter-cfg": {
            "session-type": "ipv6"
        }
    }
}
```

Create List

POST

/axapi/v3/session-filter

session-filter attributes

Get Object

GET

/axapi/v3/session-filter/{name}

session-filter attributes

```
GET /axapi/v3/session-filter/a
Reponse:
{
    "session-filter": {
        "name": "a",
        "set": 1,
        "filter-cfg": {
            "session-type": "ipv6"
        },
        "uuid": "449f70de-b6de-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/session-filter/a"
    }
}
```

Get List

GET

/axapi/v3/session-filter

session-filter-list

Modify Object

POST

/axapi/v3/session-filter/{name}

session-filter attributes

Replace Object

PUT

/axapi/v3/session-filter/{name}

session-filter attributes

```
PUT /axapi/v3/session-filter/a
Payload:
{
    "session-filter": {
        "set": 1,
        "name": "a",
        "filter-cfg": {
            "session-type": "sip"
        }
    }
}
```

Replace List

PUT

/axapi/v3/session-filter

session-filter-list

Delete Object

DELETE

/axapi/v3/session-filter/{name}

session-filter attributes

```
DELETE /axapi/v3/session-filter/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

session-filter-list

session-filter-list is **JSON List** of *session-filter attributes*

session-filter-list : [

{ *session-filter attributes* },

{ *session-filter attributes* },

...

]

session-filter attributes

filter-cfg

Description: filter-cfg is a **JSON Block**. Please see below for *filter-cfg*

Type: Object

name

Description Session filter name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

set

Description Set filter criteria

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

filter-cfg

Specification	Value
Type	*object*

app

Description Specify application(s), separated by comma (For example: http,tcp)

Type: string

Format: string-rlx

Maximum Length: 1024 characters

Maximum Length: 1 characters

app-category

Description 'aaa': Protocol/application used for AAA (Authentification, Authorization and Accounting) purposes.; 'adult-content': Adult content protocol/application.; 'advertising': Advertising networks and applications.; 'application-enforcing-tls': Application known to enforce HSTS and thus use of TLS.; 'analytics-and-statistics': User analytics and statistics protocol/application.; 'anonymizers-and-proxies': Traffic-anonymization protocol/application.; 'audio-chat': Protocol/application used for Audio Chat.; 'basic': Covers all protocols required for basic classification, including most networking protocols as well as standard protocols like HTTP.; 'blog': Blogging platform protocol/application.; 'cdn': Protocol/application used for Content-Delivery Networks.; 'certification-authority': Certification Authority for SSL/TLS certificate.; 'chat': Protocol/application used for Text Chat.; 'classified-ads': Protocol/application used for Classified Advertisements.; 'cloud-based-services': SaaS and/or PaaS cloud based services.; 'crowdfunding': Service for funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.; 'cryptocurrency': Services for mining cryptocurrencies, for example a Crypto Web Browser (an application that mines crypto currency in the background while its user browses the web).; 'database': Database-specific protocols.; 'disposable-email': Service offering Disposable Email Accounts (DEA). DEA is a technique to share temporary email address between many users.; 'ebook-reader': Services for e-book readers, i.e. connected devices that display electronic books (typically using e-ink displays to reduce glare and eye strain).; 'education': Protocols offering education services and online courses.; 'email': Native email protocol.; 'enterprise': Protocol/application used in an enterprise network.; 'file-management': Protocol/application designed specifically for file management and exchange. This can include bona fide network protocols (like SMB) as well as web/cloud services (like Dropbox).; 'file-transfer': Protocol that offers file transferring as a secondary feature. This typically includes IM, Web-Mail, and other protocols that allow file transfers in addition to their principal function.; 'forum': Online forum protocol/application.; 'gaming': Protocol/application used by games.; 'healthcare': Protocols offering medical services, i.e protocols used in medical environment.;

'instant-messaging-and-multimedia-conferencing': Protocol/application used for Instant Messaging or Multi-Conferencing.; 'internet-of-things': Internet Of Things protocol/application.; 'map-service': Digital Maps service (web site and their related API).; 'mobile': Mobile-specific protocol/application.; 'multimedia-streaming': Protocol/application used for multimedia streaming.; 'networking': Protocol used for (inter) networking purpose.; 'news-portal': Protocol/application used for News Portals.; 'payment-service': Application offering online services for accepting electronic payments by a variety of payment methods (credit card, bank-based payments such as direct debit, bank transfer, etc).; 'peer-to-peer': Protocol/application used for Peer-to-peer purposes.; 'remote-access': Protocol/application used for remote access.; 'scada': SCADA (Supervisory control and data acquisition) protocols, all generations.; 'social-networks': Social networking application.; 'software-update': Auto-update protocol.; 'speedtest': Speedtest application allowing to access quality of Internet connection (upload, download, latency, etc).; 'standards-based': Protocol issued from standardized bodies such as IETF, ITU, IEEE, ETSI, OIF.; 'transportation': Transportation services, for example smartphone applications that allow users to hail a taxi.; 'video-chat': Protocol/application used for Video Chat.; 'voip': Application used for Voice-Over-IP.; 'vpn-tunnels': Protocol/application used for VPN or tunneling purposes.; 'web': Application based on HTTP/HTTPS.; 'web-e-commerce': Protocol/application used for E-commerce websites.; 'web-search-engines': Protocol/application used for Web search portals.; 'web-websites': Protocol/application used for Company Websites.; 'webmails': Web-based e-mail application.; 'web-ext-adult': Web Extension Adult; 'web-ext-auctions': Web Extension Auctions; 'web-ext-blogs': Web Extension Blogs; 'web-ext-business-and-economy': Web Extension Business and Economy; 'web-ext-cdns': Web Extension CDNs; 'web-ext-collaboration': Web Extension Collaboration; 'web-ext-computer-and-internet-info': Web Extension Computer and Internet Info; 'web-ext-computer-and-internet-security': Web Extension Computer and Internet Security; 'web-ext-dating': Web Extension Dating; 'web-ext-educational-institutions': Web Extension Educational Institutions; 'web-ext-entertainment-and-arts': Web Extension Entertainment and Arts; 'web-ext-fashion-and-beauty': Web Extension Fashion and Beauty; 'web-ext-file-share': Web Extension File Share; 'web-ext-financial-services': Web Extension Financial Services; 'web-ext-gambling': Web Extension Gambling; 'web-ext-games': Web Extension Games; 'web-ext-government': Web Extension Government; 'web-ext-health-and-medicine': Web Extension Health and Medicine; 'web-ext-individual-stock-advice-and-tools': Web Extension Individual Stock Advice and Tools; 'web-ext-internet-portals': Web Extension Internet Portals; 'web-ext-job-search': Web Extension Job Search; 'web-ext-local-information': Web Extension Local Information; 'web-ext-malware': Web Extension Malware; 'web-ext-motor-vehicles': Web Extension Motor Vehicles; 'web-ext-music': Web Extension Music; 'web-ext-news': Web Extension News; 'web-ext-p2p': Web Extension P2P; 'web-ext-parked-sites': Web Extension Parked Sites; 'web-ext-proxy-avoid-and-anonymizers': Web Extension Proxy Avoid and Anonymizers; 'web-ext-real-estate': Web Extension Real Estate; 'web-ext-reference-and-research': Web Extension Reference and Research; 'web-ext-search-engines': Web Extension Search Engines; 'web-ext-shopping': Web Extension Shopping; 'web-ext-social-network': Web Extension Social Network; 'web-ext-society': Web Extension Society; 'web-ext-software': Web Extension Software; 'web-ext-sports': Web Extension Sports; 'web-ext-streaming-media': Web Extension Streaming Media; 'web-ext-training-and-tools': Web Extension Training and Tools; 'web-ext-translation': Web Extension Translation; 'web-ext-travel': Web Extension Travel; 'web-ext-web-advertisements': Web Extension Web Advertisements; 'web-ext-web-based-email': Web Extension Web based Email; 'web-ext-web-hosting': Web Extension Web Hosting; 'web-ext-web-service': Web Extension Web Service;

Type: string

Supported Values: aaa, adult-content, advertising, application-enforcing-tls, analytics-and-statistics, anonymizers-and-proxies, audio-chat, basic, blog, cdn, certification-authority, chat, classified-ads, cloud-based-services, crowdfunding, cryptocurrency, database, disposable-email, ebook-reader, education, email, enterprise, file-management, file-transfer, forum,

gaming, healthcare, instant-messaging-and-multimedia-conferencing, internet-of-things, map-service, mobile, multimedia-streaming, networking, news-portal, payment-service, peer-to-peer, remote-access, scada, social-networks, software-update, speedtest, standards-based, transportation, video-chat, voip, vpn-tunnels, web, web-e-commerce, web-search-engines, web-websites, webmails, web-ext-adult, web-ext-auctions, web-ext-blogs, web-ext-business-and-economy, web-ext-cdns, web-ext-collaboration, web-ext-computer-and-internet-info, web-ext-computer-and-internet-security, web-ext-dating, web-ext-educational-institutions, web-ext-entertainment-and-arts, web-ext-fashion-and-beauty, web-ext-file-share, web-ext-financial-services, web-ext-gambling, web-ext-games, web-ext-government, web-ext-health-and-medicine, web-ext-individual-stock-advice-and-tools, web-ext-internet-portals, web-ext-job-search, web-ext-local-information, web-ext-malware, web-ext-motor-vehicles, web-ext-music, web-ext-news, web-ext-p2p, web-ext-parked-sites, web-ext-proxy-avoid-and-anonymizers, web-ext-real-estate, web-ext-reference-and-research, web-ext-search-engines, web-ext-shopping, web-ext-social-network, web-ext-society, web-ext-software, web-ext-sports, web-ext-streaming-media, web-ext-training-and-tools, web-ext-translation, web-ext-travel, web-ext-web-advertisements, web-ext-web-based-email, web-ext-web-hosting, web-ext-web-service

dest-addr

Description Forward Destination IP (Destination IP address)

Type: string

Format: ipv4-address

dest-mask

Description Forward Destination IP Subnet (Destination Netmask)

Type: string

Format: ipv4-netmask

dport2

Description Forward Destination Port (Dest Port)

Type: number

Range: 1-65535

session-type

Description ‘ipv6’: Display ipv6 sessions only; ‘sip’: SIP sessions;

Type: string

Supported Values: ipv6, sip

source-addr

Description Forward Source IP (Source IP address)

Type: string

Format: ipv4-address

source-mask

Description Forward Source IP Subnet (Source Netmask)

Type: string

Format: ipv4-netmask

source-port

Description Forward Source Port

Type: number

Range: 1-65535

2.116 session-filter-extended

Objects:

2.116.1 session-filter-extended

Create a extended convenience Filter to display/clear sessions

session-filter-extended Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*session-filter-extended-list*
Collection URI	/axapi/v3/session-filter-extended
Element Name	session-filter-extended
Element URI	/axapi/v3/session-filter-extended/{name}
Element Attributes	session-filter-extended_attributes
Partition Visibility	shared
Schema	`session-filter-extended schema`

Operations Allowed:

Create Object

POST

/axapi/v3/session-filter-extended

session-filter-extended attributes

```
POST /axapi/v3/session-filter-extended/
Payload:
{
    "session-filter-extended": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/session-filter-extended

session-filter-extended attributes

Get Object

GET

/axapi/v3/session-filter-extended/{name}

session-filter-extended attributes

```
GET /axapi/v3/session-filter-extended/a
Reponse:
{
    "session-filter-extended": {
        "name": "a",
        "filter-rel": "AND",
        "uuid": "9c4cb8fa-b6de-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/session-filter-extended/a"
    }
}
```

Get List

GET

/axapi/v3/session-filter-extended

session-filter-extended-list

Modify Object

POST

/axapi/v3/session-filter-extended/{name}

session-filter-extended attributes

Replace Object

PUT

/axapi/v3/session-filter-extended/{name}

session-filter-extended attributes

```
PUT /axapi/v3/session-filter-extended/a
Payload:
{
    "session-filter-extended": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/session-filter-extended

session-filter-extended-list

Delete Object

DELETE

/axapi/v3/session-filter-extended/{name}

session-filter-extended attributes

```
DELETE /axapi/v3/session-filter-extended/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

session-filter-extended-list

session-filter-extended-list is **JSON List** of *session-filter-extended attributes*

session-filter-extended-list : [

{ *session-filter-extended attributes* },

{ *session-filter-extended attributes* },

...

]

session-filter-extended attributes

filter-rel

Description 'AND': both forward and reverse tuple-filter match; 'OR': either forward or reverse tuple-filter match;

Type: string

Supported Values: AND, OR

Default: AND

fwd-filter

Description Specify forward tuple-filter name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/tuple-filter*

name

Description Session filter name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

rev-filter

Description Specify reverse tuple-filter name

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/tuple-filter*

session-type

Description 'sip': SIP sessions;

Type: string

Supported Values: sip

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117 sessions

Objects:

2.117.1 sessions

sessions Specification

Parameter	Value
Type	*operational*
Element Name	sessions
Element URI	/axapi/v3/sessions
Element Attributes	sessions_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/sessions/oper
Schema	`sessions schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sessions

sessions attributes

sessions attributes

ext

Description: ext is a **JSON Block**. Please see below for *ext*

Type: Object

Reference Object: */axapi/v3/sessions/ext*

smp

Description: smp is a **JSON Block**. Please see below for *smp*

Type: Object

Reference Object: */axapi/v3/sessions/smp*

smp-table

Description: smp-table is a **JSON Block**. Please see below for *smp-table*

Type: Object

Reference Object: */axapi/v3/sessions/smp-table*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ext

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smp-table

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smp

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.117.2 sessions ext oper

Operational Status for the object ext

ext Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ext
Element URI	/axapi/v3/sessions/ext/oper
Element Attributes	ext_attributes
Partition Visibility	None
Schema	`ext schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sessions/ext/oper

ext attributes

Get Object

GET

/axapi/v3/sessions/ext/oper

ext attributes

Modify Object

POST

/axapi/v3/sessions/ext/oper

ext attributes

Replace Object

PUT

/axapi/v3/sessions/ext/oper

ext attributes

Delete Object

DELETE

/axapi/v3/sessions/ext/oper

ext attributes

ext attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

session-ext-list

Type: List

oper_session-ext-list

Specification	Value
Type	*list*
Block object keys	

alloc

Description

Type: number

alloc-exceed

Description

Type: number

cpu-round-robin-fail

Description

Type: number

fail

Description

Type: number

free

Description

Type: number

type

Description

Type: string

2.117.3 sessions oper

Operational Status for the object sessions

sessions Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sessions
Element URI	/axapi/v3/sessions/oper
Element Attributes	sessions_attributes
Partition Visibility	None
Schema	`sessions schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sessions/oper

sessions attributes

Get Object

GET

/axapi/v3/sessions/oper

sessions attributes

Modify Object

POST

/axapi/v3/sessions/oper

sessions attributes

Replace Object

PUT

/axapi/v3/sessions/oper

sessions attributes

Delete Object

DELETE

/axapi/v3/sessions/oper

sessions attributes

sessions attributes

ext

Description: ext is a **JSON Block**. Please see below for *ext*

Type: Object

Reference Object: */axapi/v3/sessions/ext*

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

smp

Description: smp is a **JSON Block**. Please see below for *smp*

Type: Object

Reference Object: /axapi/v3/sessions/ext/smp

smp-table

Description: smp-table is a **JSON Block**. Please see below for *smp-table*

Type: Object

Reference Object: /axapi/v3/sessions/ext/smp/smp-table

oper

Specification	Value
Type	*object*

app

Description

Type: string

app-category

Description

Type: string

app-sessions

Description

Type: number

application

Description

Type: string

bucket

Description

Type: number

check-inside-user

Description

Type: boolean

Supported Values: true, false, 1, 0

dest-port

Description

Type: number

dst-ipv4-addr

Description

Type: string

Format: ipv4-cidr

dst-ipv6-addr

Description

Type: string

Format: ipv6-address

dst-ipv6-prefix

Description

Type: string

Format: ipv6-address-plen

ext-filter-name

Description

Type: string

filter_debug

Description

Type: string

Supported Values: debug

filter_type

Description

Type: string

Supported Values: ipv4, ipv6, nat44, nat64, persist-ipv6-src-ip, persist-ipv6-dst-ip, persist-ipv6-ssl-id, persist-dst-ip, persist-src-ip, persist-uie, persist-ssl-id, radius, server, virtual-server, sip, sixrd, filter, ds-lite, dns-id-switch, local, fw, clear-all, full-width, application, ipsec, diameter, zone, source-port-rate-limit, source-port-rate-limitv4, source-port-rate-limitv6, gtp, extended_filter, hm

force

Description

Type: string

full-width

Description

Type: boolean

Supported Values: true, false, 1, 0

fw-dest-obj

Description

Type: string

fw-dest-obj-grp

Description

Type: string

fw-dest-rserver

Description

Type: string

fw-dest-vserver

Description

Type: string

fw-dest-zone

Description

Type: string

fw-helper-sessions

Description

Type: boolean

Supported Values: true, false, 1, 0

fw-ip-type

Description

Type: string

Supported Values: ipv4, ipv6

fw-rule

Description

Type: string

fw-src-obj

Description

Type: string

fw-src-obj-grp

Description

Type: string

fw-src-rserver

Description

Type: string

fw-src-zone

Description

Type: string

gtp-msg-type

Description

Type: string

gtp-version

Description

Type: string

imsi

Description

Type: boolean

Supported Values: true, false, 1, 0

imsi-val

Description

Type: string

l4-protocol

Description

Type: string

Supported Values: udp, tcp, icmp, icmpv6

msisdn

Description

Type: boolean

Supported Values: true, false, 1, 0

msisdn-val

Description

Type: string

name-str

Description

Type: string

nat-ipv4-addr

Description

Type: string

Format: ipv4-address

nat-port

Description

Type: number

persist-dest-addr

Description

Type: string

Format: ipv4-address

persist-dest-port

Description

Type: number

persist-ipv4

Description

Type: boolean

Supported Values: true, false, 1, 0

persist-ipv6

Description

Type: boolean

Supported Values: true, false, 1, 0

persist-ipv6-type

Description

Type: string

persist-source-addr

Description

Type: string

Format: ipv4-address

persist-source-port

Description

Type: number

persist-type

Description

Type: string

persist-v6-dest-addr

Description

Type: string

Format: ipv6-address

persist-v6-dest-port

Description

Type: number

persist-v6-source-addr

Description

Type: string

Format: ipv6-address

persist-v6-source-port

Description

Type: number

rev-dest-teid

Description

Type: number

session-id

Description

Type: string

session-list

Type: List

sport-rate-limit-curr

Description

Type: boolean

Supported Values: true, false, 1, 0

sport-rate-limit-exceed

Description

Type: boolean

Supported Values: true, false, 1, 0

src-ipv4-addr

Description

Type: string

Format: ipv4-cidr

src-ipv6-addr

Description

Type: string

Format: ipv6-address

src-ipv6-prefix

Description

Type: string

Format: ipv6-address-plen

src-port

Description

Type: number

thread

Description

Type: number

total-sessions

Description

Type: number

uie

Description

Type: string

zone-name

Description

Type: string

oper_session-list

Specification	Value
Type	*list*
Block object keys	

100ms

Description

Type: string

age

Description

Type: number

app-name

Description

Type: string

app-type

Description

Type: string

bytes

Description

Type: number

category-name

Description

Type: string

conn_idx

Description

Type: number

ddos_current_pkt_rate

Description

Type: number

ddos_exceeded_pkt_rate

Description

Type: number

ddos_total_fwd_bytes

Description

Type: number

ddos_total_out_of_order

Description

Type: number

ddos_total_retrans

Description

Type: number

ddos_total_rev_bytes

Description

Type: number

ddos_total_zero_window

Description

Type: number

dns_id

Description

Type: number

drop

Description

Type: number

duration

Description

Type: number

extension-fields-list

Type: List

flags

Description

Type: string

forward-dest

Description

Type: string

forward-source

Description

Type: string

fwd_pkt_hash

Description

Type: number

hash

Description

Type: number

hash_idx

Description

Type: number

limit

Description

Type: number

peak-rate

Description

Type: number

protocol

Description

Type: string

radius_id

Description

Type: number

rate

Description

Type: number

rev_pkt_hash

Description

Type: number

reverse-dest

Description

Type: string

reverse-source

Description

Type: string

rserver-name

Description

Type: string

service-name

Description

Type: string

sip_call_id

Description

Type: string

oper_session-list_extension-fields-list

Specification	Value
Type	*list*
Block object keys	

ext-field-name

Description

Type: string

ext-field-val

Description

Type: string

ext

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *ext_oper*

Type: Object

ext_oper

Specification	Value
Type	*object*

session-ext-list

Type: List

ext_oper_session-ext-list

Specification	Value
Type	*list*
Block object keys	

alloc

Description

Type: number

alloc-exceed

Description

Type: number

cpu-round-robin-fail

Description

Type: number

fail

Description

Type: number

free

Description

Type: number

type

Description

Type: string

smp-table

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *smp-table_oper*

Type: Object

smp-table_oper

Specification	Value
Type	*object*

entry-list

Type: List

smp-table_oper_entry-list

Specification	Value
Type	*list*
Block object keys	

dst4

Description

Type: string

Format: ipv4-address

dst6

Description

Type: string

Format: ipv6-address

dstport

Description

Type: number

payload

Description

Type: string

src4

Description

Type: string

Format: ipv4-address

src6

Description

Type: string

Format: ipv6-address

srcport

Description

Type: number

ttl

Description

Type: number

type

Description

Type: string

smp

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *smp_oper*

Type: Object

smp_oper

Specification	Value
Type	*object*

session-smp-list

Type: List

smp_oper_session-smp-list

Specification	Value
Type	*list*
Block object keys	

alloc

Description

Type: number

alloc-fail

Description

Type: number

free

Description

Type: number

type

Description

Type: string

2.117.4 sessions smp oper

Operational Status for the object smp

smp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smp
Element URI	/axapi/v3/sessions/smp/oper
Element Attributes	smp_attributes
Partition Visibility	None
Schema	`smp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sessions/smp/oper

smp attributes

Get Object

GET

/axapi/v3/sessions/smp/oper

smp attributes

Modify Object

POST

/axapi/v3/sessions/smp/oper

smp attributes

Replace Object

PUT

/axapi/v3/sessions/smp/oper

smp attributes

Delete Object

DELETE

/axapi/v3/sessions/smp/oper

smp attributes

smp attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

session-smp-list

Type: List

oper_session-smp-list

Specification	Value
Type	*list*
Block object keys	

alloc

Description

Type: number

alloc-fail

Description

Type: number

free

Description

Type: number

type

Description

Type: string

2.117.5 sessions smp-table oper

Operational Status for the object smp-table

smp-table Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smp-table
Element URI	/axapi/v3/sessions/smp-table/oper
Element Attributes	smp-table_attributes
Partition Visibility	None
Schema	`smp-table schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sessions/smp-table/oper

smp-table attributes

Get Object

GET

/axapi/v3/sessions/smp-table/oper

smp-table attributes

Modify Object

POST

/axapi/v3/sessions/smp-table/oper

smp-table attributes

Replace Object

PUT

/axapi/v3/sessions/smp-table/oper

smp-table attributes

Delete Object

DELETE

/axapi/v3/sessions/smp-table/oper

smp-table attributes

smp-table attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

entry-list

Type: List

oper_entry-list

Specification	Value
Type	*list*
Block object keys	

dst4

Description

Type: string

Format: ipv4-address

dst6

Description

Type: string

Format: ipv6-address

dstport

Description

Type: number

payload

Description

Type: string

src4

Description

Type: string

Format: ipv4-address

src6

Description

Type: string

Format: ipv6-address

srcport

Description

Type: number

ttl

Description

Type: number

type

Description

Type: string

2.118 sflow

Objects:

2.118.1 sflow

Configure sFlow

sflow Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	sflow
Element URI	/axapi/v3/sflow
Element Attributes	sflow_attributes
Partition Visibility	shared
Schema	`sflow schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sflow

sflow_attributes

sflow attributes

agent

Description: agent is a **JSON Block**. Please see below for *agent*

Type: Object

Reference Object: */axapi/v3/sflow/agent*

collector

Description: collector is a **JSON Block**. Please see below for *collector*

Type: Object

Reference Object: */axapi/v3/sflow/collector*

event-notification

Description: event-notification is a **JSON Block**. Please see below for *event-notification*

Type: Object

Reference Object: */axapi/v3/sflow/event-notification*

global

Description: global is a **JSON Block**. Please see below for *global*

Type: Object

Reference Object: */axapi/v3/sflow/global*

polling

Description: polling is a **JSON Block**. Please see below for *polling*

Type: Object

Reference Object: */axapi/v3/sflow/polling*

sampling

Description: sampling is a **JSON Block**. Please see below for *sampling*

Type: Object

Reference Object: */axapi/v3/sflow/sampling*

setting

Description: setting is a **JSON Block**. Please see below for *setting*

Type: Object

Reference Object: */axapi/v3/sflow/setting*

source-address

Description: source-address is a **JSON Block**. Please see below for *source-address*

Type: Object

Reference Object: */axapi/v3/sflow/source-address*

source-address

Specification	Value
Type	*object*

ip

Description Source IPv4 address

Type: string

Format: ipv4-address

ipv6

Description Source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-packet-sample-records': Total packet sample records; 'total-counter-sample-records': Total counter sample records; 'total-sflow-packets-sent': Total sflow packets sent; 'total-sflow-local-packets-sent': Total sflow packets sent desc {}; 'total-sflow-packets-sent-mgmt': Total sflow packets sent via Mgmt Interface; 'total-sflow-packets-drop-mgmt': sflow packets dropped because of rate limit via Mgmt Interface;

Type: string

Supported Values: all, total-packet-sample-records, total-counter-sample-records, total-sflow-packets-sent, total-sflow-local-packets-sent, total-sflow-packets-sent-mgmt, total-sflow-packets-drop-mgmt

agent

Specification	Value
Type	*object*

address

Description: address is a **JSON Block**. Please see below for *agent_address*

Type: Object

Reference Object: */axapi/v3/sflow/agent/address*

agent_address

Specification	Value
Type	*object*

ip

Description Configure sFlow agent IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Configure sFlow agent IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling

Specification	Value
Type	*object*

eth-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

sampling_eth-list

Specification	Value
Type	*list*
Block object keys	

eth-end

Description Ethernet interface to sample

Type: number

Format: interface

eth-start

Description Ethernet interface to sample

Type: number

Format: interface

sampling_ve-list

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE interface to sample

Type: number

Reference Object: */axapi/v3/interface/ve*

ve-start

Description VE interface to sample

Type: number

Reference Object: */axapi/v3/interface/ve*

event-notification

Specification	Value
Type	*object*

ddos

Description: ddos is a **JSON Block**. Please see below for *event-notification_ddos*

Type: Object

Reference Object: */axapi/v3/sflow/event-notification/ddos*

event-notification_ddos

Specification	Value
Type	*object*

toggle

Description 'enable': Enable sflow notification for DDOS events; 'disable': Disable sflow notification for DDOS events;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

setting

Specification	Value
Type	*object*

append-mapping-info

Description Allow TPS to always send mapping ctr block (260, 271, and 272)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling-interval

Description sFlow counter polling interval, default is 20

Type: number

Range: 1-200

Default: 20

ddos-source-id-export

Description Enable exporting DDoS sourceID in sflow packet sample

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-counter-polling-mtu

Description Default MTU for counter-polling packets - DDoS 3.2 format only (Default: 1500)

Type: number

Range: 1200-1500

Default: 1500

enlarge-zone-name

Description Allow TPS to packet up to 127 character zone names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-collection

Description 'enable': Enable local sflow collection (Default); 'disable': Disable local sflow collection;

Type: string

Supported Values: enable, disable

Default: disable

local-t1-polling-interval

Description Set sFlow local counter polling interval for T1 stats

Type: number

Range: 1-18000

local-t2-polling-interval

Description Set sFlow local counter polling interval for T2 stats

Type: number

Range: 1-18000

management-link-utilization

Description limit management link speed in (Mbps)

Type: number

Range: 1-10000

Mutual Exclusion: management-link-utilization and management-link-utilization-percentage are mutually exclusive

management-link-utilization-percentage

Description percentage limit of the management link speed (Default is 30%)

Type: number

Range: 1-100

Default: 30

Mutual Exclusion: management-link-utilization-percentage and management-link-utilization are mutually exclusive

max-header

Description Configure maximum number of bytes that should be copied from a sampled packet (default: 128) (The maximum number of bytes (Default: 128))

Type: number

Range: 14-512

one-blk-per-pkt

Description Forces sFlow packet to only contain one sFlow counter block

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-sampling-rate

Description sFlow packet sampling rate, default is 1000

Type: number

Range: 10-10000

Default: 1000

port-range-end

Description Source port-range end

Type: number

Range: 2049-63640

port-range-start

Description Source port-range

Type: number

Range: 2049-63640

randomize-source-port

Description 'enable': Randomize source port; 'disable': Fix source port 6343; 'packet-sampling-only': Only randomized source port for packet-sampling (Default);

Type: string

Supported Values: enable, disable, packet-sampling-only

Default: packet-sampling-only

source-ip-use-mgmt

Description Use management interface's IP address for source IP of sFlow packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polling

Specification	Value
Type	*object*

a10-proprietary

Description: a10-proprietary is a **JSON Block**. Please see below for *polling_a10-proprietary*

Type: Object

Reference Object: */axapi/v3/sflow/polling/a10-proprietary*

acos-info

Description: acos-info is a **JSON Block**. Please see below for *polling_acos-info*

Type: Object

Reference Object: */axapi/v3/sflow/polling/acos-info*

cpu-usage

Description Polling CPU usage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos

Description: ddos is a **JSON Block**. Please see below for *polling_ddos*

Type: Object

Reference Object: */axapi/v3/sflow/polling/ddos*

eth-list

Type: List

ethernet-ext-list

Type: List

Reference Object: */axapi/v3/sflow/polling/ethernet-ext/{start}*

ethernet-list

Type: List

Reference Object: */axapi/v3/sflow/polling/ethernet/{start}*

http

Description: http is a **JSON Block**. Please see below for *polling_http*

Type: Object

Reference Object: */axapi/v3/sflow/polling/http*

http-counter

Description Polling HTTP counters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-health

Description: system-health is a **JSON Block**. Please see below for *polling_system-health*

Type: Object

Reference Object: */axapi/v3/sflow/polling/system-health*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

polling_eth-list

Specification	Value
Type	*list*
Block object keys	

eth-end

Description Ethernet interface to sample

Type: number

Format: interface

eth-start

Description Ethernet interface to sample

Type: number

Format: interface

polling_http

Specification	Value
Type	*object*

toggle

Description 'enable': Enable polling HTTP counters; 'disable': Disable polling HTTP counters;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polling_ve-list

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE interface to sample

Type: number

Reference Object: */axapi/v3/interface/ve*

ve-start

Description VE interface to sample

Type: number

Reference Object: */axapi/v3/interface/ve*

polling_acos-info

Specification	Value
Type	*object*

toggle

Description 'enable': Enable polling ACOS Information; 'disable': Disable polling ACOS Information;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polling_ethernet-list

Specification	Value
Type	*list*
Block object keys	

start

Description Ethernet interface to poll

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polling_ddos

Specification	Value
Type	*object*

dns-cache-zone-stats

Description Enable polling for dns cache per instance and per zone statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dyn-entry-stats

Description Enable polling for dynamic entry statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-anomaly-stats

Description Enable Polling for system wide anomaly statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

toggle

Description 'enable': Enable sflow polling for DDOS statistics; 'disable': Disable sflow polling for DDOS statistics;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polling_ethernet-ext-list

Specification	Value
Type	*list*
Block object keys	

start

Description Ethernet interface to poll

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polling_a10-proprietary

Specification	Value
Type	*object*

export-deprecated-counters

Description Export deprecated counters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

polling_system-health

Specification	Value
Type	*object*

license-statistics

Description 'enable': Enable polling license statistics; 'disable': Disable polling license statistics;

Type: string

Supported Values: enable, disable

Default: disable

per-control-cpu-usage

Description 'enable': Enable polling control cpu; 'disable': Disable polling control cpu usage;

Type: string

Supported Values: enable, disable

Default: disable

per-data-cpu-usage

Description 'enable': Enable polling data cpu; 'disable': Disable polling data cpu usage;

Type: string

Supported Values: enable, disable

Default: disable

system-health-usage

Description 'enable': Enable polling system health information; 'disable': Disable polling system health information;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector

Specification	Value
Type	*object*

custom-list

Type: List

Reference Object: */axapi/v3/sflow/collector/custom/{name}*

host-list

Type: List

Reference Object: */axapi/v3/sflow/collector/host/{name}+{port}*

ip-list

Type: List

Reference Object: */axapi/v3/sflow/collector/ip/{addr}+{port}*

ipv6-list

Type: List

Reference Object: */axapi/v3/sflow/collector/ipv6/{addr}+{port}*

collector_custom-list

Specification	Value
Type	*list*
Block object keys	

ipv4_addr

Description Configure IP address of the sFlow Receiver

Type: string

Format: ipv4-address

ipv6_addr

Description Configure IPv6 address of the sFlow Receiver

Type: string

Format: ipv6-address

name

Description Configure name of sFlow Receiver

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_host-list

Specification	Value
Type	*list*
Block object keys	

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *collector_host-list_customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/host/{name}+{port}/customized-setting*

name

Description Configure FQDN name of sFlow Receiver

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_host-list_customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Customizes export settings for collector;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_ip-list

Specification	Value
Type	*list*
Block object keys	

addr

Description Configure sFlow collector IP address

Type: string

Format: ipv4-address

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *collector_ip-list_customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting*

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_ip-list_customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Export settings;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_ipv6-list

Specification	Value
Type	*list*
Block object keys	

addr

Description Configure sFlow collector IPv6 address

Type: string

Format: ipv6-address

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *collector_ipv6-list_customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting*

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

collector_ipv6-list_customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Customizes export settings for collector;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.2 sflow agent

Configure sFlow agent

agent Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	agent
Element URI	/axapi/v3/sflow/agent
Element Attributes	agent_attributes
Partition Visibility	shared
Schema	`agent schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sflow/agent

agent_attributes

agent attributes

address

Description: address is a **JSON Block**. Please see below for *address*

Type: Object

Reference Object: */axapi/v3/sflow/agent/address*

address

Specification	Value
Type	*object*

ip

Description Configure sFlow agent IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Configure sFlow agent IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.3 sflow agent address

Configure agent address used in sFlow datagram, default use management IP address

address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	address
Element URI	/axapi/v3/sflow/agent/address
Element Attributes	address_attributes
Partition Visibility	shared
Schema	`address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/agent/address

address attributes

```
POST /axapi/v3/sflow/agent/address
Payload:
{
    "address": {
        "ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/sflow/agent/address

address attributes

```
GET /axapi/v3/sflow/agent/address
Reponse:
{
    "address": {
        "ip": "3.3.3.3",
        "uuid": "f1eb1ab8-08ff-11f0-8ff3-bb094934892a",
        "a10-url": "/axapi/v3/sflow/agent/address"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/agent/address

address attributes

Replace Object

PUT

/axapi/v3/sflow/agent/address

address attributes

```
PUT /axapi/v3/sflow/agent/address
Payload:
{
    "address": {
        "ip": "3.3.3.4"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/agent/address

address attributes

```
DELETE /axapi/v3/sflow/agent/address
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

address attributes

ip

Description Configure sFlow agent IP address

Type: string

Format: ipv4-address

Mutual Exclusion: ip and ipv6 are mutually exclusive

ipv6

Description Configure sFlow agent IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6 and ip are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.4 sflow collector

Configure sFlow collector (a.k.a. receiver)

collector Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	collector
Element URI	/axapi/v3/sflow/collector
Element Attributes	collector_attributes
Partition Visibility	shared
Schema	`collector schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sflow/collector

collector_attributes

collector attributes

custom-list

Type: List

Reference Object: */axapi/v3/sflow/collector/custom/{name}*

host-list

Type: List

Reference Object: */axapi/v3/sflow/collector/host/{name}+{port}*

ip-list

Type: List

Reference Object: */axapi/v3/sflow/collector/ip/{addr}+{port}*

ipv6-list

Type: List

Reference Object: */axapi/v3/sflow/collector/ipv6/{addr}+{port}*

custom-list

Specification	Value
Type	*list*
Block object keys	

ipv4_addr

Description Configure IP address of the sFlow Receiver

Type: string

Format: ipv4-address

ipv6_addr

Description Configure IPv6 address of the sFlow Receiver

Type: string

Format: ipv6-address

name

Description Configure name of sFlow Receiver

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list

Specification	Value
Type	*list*
Block object keys	

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *host-list_customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/host/{name}+{port}/customized-setting*

name

Description Configure FQDN name of sFlow Receiver

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list_customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Customizes export settings for collector;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list

Specification	Value
Type	*list*
Block object keys	

addr

Description Configure sFlow collector IP address

Type: string

Format: ipv4-address

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *ip-list_customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting*

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-list_customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Export settings;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list

Specification	Value
Type	*list*
Block object keys	

addr

Description Configure sFlow collector IPv6 address

Type: string

Format: ipv6-address

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *ipv6-list_customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting*

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list_customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Customizes export settings for collector;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.5 sflow collector custom

Configure Custom sFlow collector

custom Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*custom-list*
Collection URI	/axapi/v3/sflow/collector/custom
Element Name	custom
Element URI	/axapi/v3/sflow/collector/custom/{name}
Element Attributes	custom_attributes
Partition Visibility	shared
Schema	`custom schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/custom

custom attributes

Create List

POST

/axapi/v3/sflow/collector/custom

custom attributes

Get Object

GET

/axapi/v3/sflow/collector/custom/{name}

custom attributes

Get List

GET

/axapi/v3/sflow/collector/custom

custom-list

Modify Object

POST

/axapi/v3/sflow/collector/custom/{name}

custom attributes

Replace Object

PUT

/axapi/v3/sflow/collector/custom/{name}

custom attributes

Replace List

PUT

/axapi/v3/sflow/collector/custom

custom-list

Delete Object

DELETE

/axapi/v3/sflow/collector/custom/{name}

custom attributes

custom-list

custom-list is **JSON List** of *custom attributes*

```
custom-list : [
        { custom attributes },
        { custom attributes },
        ...
    ]
```

custom attributes

ipv4_addr

Description Configure IP address of the sFlow Receiver

Type: string

Format: ipv4-address

ipv6_addr

Description Configure IPv6 address of the sFlow Receiver

Type: string

Format: ipv6-address

name

Description Configure name of sFlow Receiver

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.6 sflow collector host

Configure sFlow collector using FQDN

host Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name, port*
Collection Name	*host-list*
Collection URI	/axapi/v3/sflow/collector/host
Element Name	host
Element URI	/axapi/v3/sflow/collector/host/{name}+{port}
Element Attributes	host_attributes
Partition Visibility	shared
Schema	`host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/host

host attributes

Create List

POST

/axapi/v3/sflow/collector/host

host attributes

Get Object

GET

/axapi/v3/sflow/collector/host/{name}+{port}

host attributes

Get List

GET

/axapi/v3/sflow/collector/host

host-list

Modify Object

POST

/axapi/v3/sflow/collector/host/{name}+{port}

host attributes

Replace Object

PUT

/axapi/v3/sflow/collector/host/{name}+{port}

host attributes

Replace List

PUT

/axapi/v3/sflow/collector/host

host-list

Delete Object

DELETE

/axapi/v3/sflow/collector/host/{name}+{port}

host attributes

host-list

host-list is **JSON List** of *host attributes*

host-list : [

{ *host attributes* },

{ *host attributes* },

...

]

host attributes

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/host/{name}+{port}/customized-setting*

name

Description Configure FQDN name of sFlow Receiver

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Customizes export settings for collector;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.7 sflow collector host customized-setting

Customize export settings for collector

customized-setting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	customized-setting
Element URI	/axapi/v3/sflow/collector/host/{name}+{port}/customized-setting
Element Attributes	customized-setting_attributes
Partition Visibility	shared
Schema	`customized-setting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/host/{name}+{port}/customized-setting

customized-setting attributes

Get Object

GET

/axapi/v3/sflow/collector/host/{name}+{port}/customized-setting

customized-setting attributes

Modify Object

POST

/axapi/v3/sflow/collector/host/{name}+{port}/customized-setting

customized-setting attributes

Replace Object

PUT

/axapi/v3/sflow/collector/host/{name}+{port}/customized-setting

customized-setting attributes

Delete Object

DELETE

/axapi/v3/sflow/collector/host/{name}+{port}/customized-setting

customized-setting attributes

customized-setting attributes

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Customizes export settings for collector;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.8 sflow collector ip

Configure sFlow IPv4 collector

ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*addr, port*
Collection Name	*ip-list*
Collection URI	/axapi/v3/sflow/collector/ip
Element Name	ip
Element URI	/axapi/v3/sflow/collector/ip/{addr}+{port}
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/ip

ip attributes

```
POST /axapi/v3/sflow/collector/ip/
Payload:
{
    "ip": {
        "addr": "3.3.3.3",
        "port": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/sflow/collector/ip

ip attributes

Get Object

GET

/axapi/v3/sflow/collector/ip/{addr}+{port}

ip attributes

```
GET /axapi/v3/sflow/collector/ip/3.3.3.3+1
Reponse:
{
    "ip": {
        "addr": "3.3.3.3",
        "port": 1,
        "use-mgmt-port": 0,
        "uuid": "252fd1c0-0900-11f0-8ff3-bb094934892a",
        "user-tag": "a",
        "a10-url": "/axapi/v3/sflow/collector/ip/3.3.3.3+1"
    }
}
```

Get List

GET

/axapi/v3/sflow/collector/ip

ip-list

Modify Object

POST

/axapi/v3/sflow/collector/ip/{addr}+{port}

ip attributes

Replace Object

PUT

/axapi/v3/sflow/collector/ip/{addr}+{port}

ip attributes

```
PUT /axapi/v3/sflow/collector/ip/3.3.3.3+1
Payload:
{
    "ip": {
        "addr": "3.3.3.3",
        "port": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/sflow/collector/ip

ip-list

Delete Object

DELETE

/axapi/v3/sflow/collector/ip/{addr}+{port}

ip attributes

```
DELETE /axapi/v3/sflow/collector/ip/3.3.3.3+1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

addr

Description Configure sFlow collector IP address

Type: string

Format: ipv4-address

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting*

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Export settings;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.9 sflow collector ip customized-setting

Customize settings for collector

customized-setting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	customized-setting
Element URI	/axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting
Element Attributes	customized-setting_attributes
Partition Visibility	shared
Schema	`customized-setting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting

customized-setting attributes

```
POST /axapi/v3/sflow/collector/ip/1.1.1.1+80/customized-setting
Payload:
{
    "customized-setting": {
        "export-enable": "export",
        "packet-sampling": 1
    }
}
```

Get Object

GET

/axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting

customized-setting attributes

Modify Object

POST

/axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting

customized-setting attributes

Replace Object

PUT

/axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting

customized-setting attributes

Delete Object

DELETE

/axapi/v3/sflow/collector/ip/{addr}+{port}/customized-setting

customized-setting attributes

customized-setting attributes

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Export settings;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.10 sflow collector ipv6

Configure sFlow IPv6 collector

ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*addr, port*
Collection Name	*ipv6-list*
Collection URI	/axapi/v3/sflow/collector/ipv6
Element Name	ipv6
Element URI	/axapi/v3/sflow/collector/ipv6/{addr}+{port}
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/ipv6

ipv6 attributes

```
POST /axapi/v3/sflow/collector/ipv6/
Payload:
{
    "ipv6": {
        "addr": "2003::1",
        "port": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/sflow/collector/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/sflow/collector/ipv6/{addr}+{port}

ipv6 attributes

```
GET /axapi/v3/sflow/collector/ipv6/2003::1+1
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "ipv6": {
        "addr": "2003::1",
        "port": 1,
        "use-mgmt-port": 0,
        "uuid": "71adf2ca-0900-11f0-8ff3-bb094934892a",
        "user-tag": "a",
        "a10-url": "/axapi/v3/sflow/collector/ipv6/2003%3A%3A1+1"
    }
}
```

Get List

GET

/axapi/v3/sflow/collector/ipv6

ipv6-list

Modify Object

POST

/axapi/v3/sflow/collector/ipv6/{addr}+{port}

ipv6 attributes

Replace Object

PUT

/axapi/v3/sflow/collector/ipv6/{addr}+{port}

ipv6 attributes

```
PUT /axapi/v3/sflow/collector/ipv6/2003::1+1
Payload:
{
    "ipv6": {
        "addr": "2003::1",
        "port": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/sflow/collector/ipv6

ipv6-list

Delete Object

DELETE

/axapi/v3/sflow/collector/ipv6/{addr}+{port}

ipv6 attributes

```
DELETE /axapi/v3/sflow/collector/ipv6/2003::1+1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-list

ipv6-list is **JSON List** of *ipv6 attributes*

ipv6-list : [

{ *ipv6 attributes* },

{ *ipv6 attributes* },

...

]

ipv6 attributes

addr

Description Configure sFlow collector IPv6 address

Type: string

Format: ipv6-address

customized-setting

Description: customized-setting is a **JSON Block**. Please see below for *customized-setting*

Type: Object

Reference Object: */axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting*

port

Description Port number (default is 6343)

Type: number

Range: 1-65535

Default: 6343

use-mgmt-port

Description sFlow collector is through out-of-band management

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

customized-setting

Specification	Value
Type	*object*

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Customizes export settings for collector;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.11 sflow collector ipv6 customized-setting

Customize export settings for collector

customized-setting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	customized-setting
Element URI	/axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting
Element Attributes	customized-setting_attributes
Partition Visibility	shared
Schema	`customized-setting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting

customized-setting attributes

```
POST /axapi/v3/sflow/collector/ipv6/1::1+80/customized-setting
Payload:
{
    "customized-setting": {
        "export-enable": "export",
        "packet-sampling": 1
    }
}
```

Get Object

GET

/axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting

customized-setting attributes

Modify Object

POST

/axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting

customized-setting attributes

Replace Object

PUT

/axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting

customized-setting attributes

Delete Object

DELETE

/axapi/v3/sflow/collector/ipv6/{addr}+{port}/customized-setting

customized-setting attributes

customized-setting attributes

a10-proprietary-polling

Description Enable counters for ACOS control blocks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling

Description Enable counter polling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

event-notification

Description Enable event notification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

export-enable

Description 'export': Customizes export settings for collector;

Type: string

Supported Values: export

packet-sampling

Description Enable packet sampling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.12 sflow event-notification

Configure sFlow event notification on specified source

event-notification Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	event-notification
Element URI	/axapi/v3/sflow/event-notification
Element Attributes	event-notification_attributes
Partition Visibility	shared
Schema	`event-notification schema`

Operations Allowed:

Get Object

GET

/axapi/v3/sflow/event-notification

event-notification_attributes

event-notification attributes

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

Reference Object: */axapi/v3/sflow/event-notification/ddos*

ddos

Specification	Value
Type	*object*

toggle

Description 'enable': Enable sflow notification for DDOS events; 'disable': Disable sflow notification for DDOS events;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.13 sflow event-notification ddos

Send notification of DDoS events

ddos Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ddos
Element URI	/axapi/v3/sflow/event-notification/ddos
Element Attributes	ddos_attributes
Partition Visibility	shared
Schema	`ddos schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/event-notification/ddos

ddos attributes

Get Object

GET

/axapi/v3/sflow/event-notification/ddos

ddos attributes

Modify Object

POST

/axapi/v3/sflow/event-notification/ddos

ddos attributes

Replace Object

PUT

/axapi/v3/sflow/event-notification/ddos

ddos attributes

Delete Object

DELETE

/axapi/v3/sflow/event-notification/ddos

ddos attributes

ddos attributes

toggle

Description 'enable': Enable sflow notification for DDOS events; 'disable': Disable sflow notification for DDOS events;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.14 sflow global

sFlow global

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/sflow/global
Element Attributes	global_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/sflow/global/stats
Operational Data URI	/axapi/v3/sflow/global/oper
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/global

global attributes

```
POST /axapi/v3/sflow/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/sflow/global

global attributes

```
GET /axapi/v3/sflow/global
Reponse:
{
    "global": {
        "uuid": "5ad5069a-08f8-11f0-8d85-bb094934892a",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/sflow/global"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/global

global attributes

Replace Object

PUT

/axapi/v3/sflow/global

global attributes

```
PUT /axapi/v3/sflow/global
Payload:
{
    "global": {
        "sampling-enable": [
            {
                "counters1": "total-packet-sample-records"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/global

global attributes

```
DELETE /axapi/v3/sflow/global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-packet-sample-records': Total packet sample records; 'total-counter-sample-records': Total counter sample records; 'total-sflow-packets-sent': Total sflow packets sent; 'total-sflow-local-packets-sent': Total sflow packets sent desc {}; 'total-sflow-packets-sent-mgmt': Total sflow packets sent via Mgmt Interface; 'total-sflow-packets-drop-mgmt': sflow packets dropped because of rate limit via Mgmt Interface;

Type: string

Supported Values: all, total-packet-sample-records, total-counter-sample-records, total-sflow-packets-sent, total-sflow-local-packets-sent, total-sflow-packets-sent-mgmt, total-sflow-packets-drop-mgmt

2.118.15 sflow global oper

Operational Status for the object global

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/sflow/global/oper
Element Attributes	global_attributes
Partition Visibility	None
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/global/oper

global attributes

Get Object

GET

/axapi/v3/sflow/global/oper

global attributes

Modify Object

POST

/axapi/v3/sflow/global/oper

global attributes

Replace Object

PUT

/axapi/v3/sflow/global/oper

global attributes

Delete Object

DELETE

/axapi/v3/sflow/global/oper

global attributes

global attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

if-stats-list

Type: List

oper_if-stats-list

Specification	Value
Type	*list*
Block object keys	

counter-sample-records

Description

Type: number

if-num

Description

Type: number

if-type

Description

Type: string

Supported Values: Ethernet, VE

packet-sample-records

Description

Type: number

2.118.16 sflow global stats

Statistics for the object global

global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global
Element URI	/axapi/v3/sflow/global/stats
Element Attributes	global_attributes
Partition Visibility	None
Schema	`global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/global/stats

global attributes

Get Object

GET

/axapi/v3/sflow/global/stats

global attributes

Modify Object

POST

/axapi/v3/sflow/global/stats

global attributes

Replace Object

PUT

/axapi/v3/sflow/global/stats

global attributes

Delete Object

DELETE

/axapi/v3/sflow/global/stats

global attributes

global attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

total-counter-sample-records

Description Total counter sample records

Type: number

Format: counter

total-packet-sample-records

Description Total packet sample records

Type: number

Format: counter

total-sflow-local-packets-sent

Description Total sflow packets sent desc {}

Type: number

Format: counter

total-sflow-packets-drop-mgmt

Description sflow packets dropped because of rate limit via Mgmt Interface

Type: number

Format: counter

total-sflow-packets-sent

Description Total sflow packets sent

Type: number

Format: counter

total-sflow-packets-sent-mgmt

Description Total sflow packets sent via Mgmt Interface

Type: number

Format: counter

2.118.17 sflow polling

Configure sFlow counter polling on specified source

polling Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	polling
Element URI	/axapi/v3/sflow/polling
Element Attributes	polling_attributes
Partition Visibility	shared
Schema	`polling schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling

polling attributes

```
POST /axapi/v3/sflow/polling
Payload:
{
    "polling": {
        "http": {
            "toggle": "enable"
        },
        "eth-list": [
            {
                "eth-start": 1,
                "eth-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/sflow/polling

polling attributes

```
GET /axapi/v3/sflow/polling
Reponse:
{
    "polling": {
        "eth-list": [
```

(continues on next page)

(continued from previous page)


```
            {
                "eth-start": 1,
                "eth-end": 1
            }
        ],
        "cpu-usage": 0,
        "http-counter": 0,
        "uuid": "5ad5050a-08f8-11f0-8d85-bb094934892a",
        "acos-info": {
            "toggle": "enable",
            "uuid": "0adc2fe8-0901-11f0-8ff3-bb094934892a",
            "a10-url": "/axapi/v3/sflow/polling/acos-info"
        },
        "a10-url": "/axapi/v3/sflow/polling"
    }
}
```


Modify Object

POST

/axapi/v3/sflow/polling

polling attributes

Replace Object

PUT

/axapi/v3/sflow/polling

polling attributes

Delete Object

DELETE

/axapi/v3/sflow/polling

polling attributes


```
DELETE /axapi/v3/sflow/polling
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

polling attributes

a10-proprietary

Description: a10-proprietary is a **JSON Block**. Please see below for *a10-proprietary*

Type: Object

Reference Object: */axapi/v3/sflow/polling/a10-proprietary*

acos-info

Description: acos-info is a **JSON Block**. Please see below for *acos-info*

Type: Object

Reference Object: */axapi/v3/sflow/polling/acos-info*

cpu-usage

Description Polling CPU usage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos

Description: ddos is a **JSON Block**. Please see below for *ddos*

Type: Object

Reference Object: */axapi/v3/sflow/polling/ddos*

eth-list

Type: List

ethernet-ext-list

Type: List

Reference Object: */axapi/v3/sflow/polling/ethernet-ext/{start}*

ethernet-list

Type: List

Reference Object: */axapi/v3/sflow/polling/ethernet/{start}*

http

Description: http is a **JSON Block**. Please see below for *http*

Type: Object

Reference Object: */axapi/v3/sflow/polling/http*

http-counter

Description Polling HTTP counters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-health

Description: system-health is a **JSON Block**. Please see below for *system-health*

Type: Object

Reference Object: */axapi/v3/sflow/polling/system-health*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

eth-list

Specification	Value
Type	*list*
Block object keys	

eth-end

Description Ethernet interface to sample

Type: number

Format: interface

eth-start

Description Ethernet interface to sample

Type: number

Format: interface

http

Specification	Value
Type	*object*

toggle

Description 'enable': Enable polling HTTP counters; 'disable': Disable polling HTTP counters;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE interface to sample

Type: number

Reference Object: */axapi/v3/interface/ve*

ve-start

Description VE interface to sample

Type: number

Reference Object: */axapi/v3/interface/ve*

acos-info

Specification	Value
Type	*object*

toggle

Description 'enable': Enable polling ACOS Information; 'disable': Disable polling ACOS Information;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-list

Specification	Value
Type	*list*
Block object keys	

start

Description Ethernet interface to poll

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ddos

Specification	Value
Type	*object*

dns-cache-zone-stats

Description Enable polling for dns cache per instance and per zone statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dyn-entry-stats

Description Enable polling for dynamic entry statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-anomaly-stats

Description Enable Polling for system wide anomaly statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

toggle

Description 'enable': Enable sflow polling for DDOS statistics; 'disable': Disable sflow polling for DDOS statistics;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ethernet-ext-list

Specification	Value
Type	*list*
Block object keys	

start

Description Ethernet interface to poll

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

a10-proprietary

Specification	Value
Type	*object*

export-deprecated-counters

Description Export deprecated counters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system-health

Specification	Value
Type	*object*

license-statistics

Description 'enable': Enable polling license statistics; 'disable': Disable polling license statistics;

Type: string

Supported Values: enable, disable

Default: disable

per-control-cpu-usage

Description 'enable': Enable polling control cpu; 'disable': Disable polling control cpu usage;

Type: string

Supported Values: enable, disable

Default: disable

per-data-cpu-usage

Description 'enable': Enable polling data cpu; 'disable': Disable polling data cpu usage;

Type: string

Supported Values: enable, disable

Default: disable

system-health-usage

Description 'enable': Enable polling system health information; 'disable': Disable polling system health information;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.18 sflow polling a10-proprietary

A10 proprietary counters

a10-proprietary Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	a10-proprietary
Element URI	/axapi/v3/sflow/polling/a10-proprietary
Element Attributes	a10-proprietary_attributes
Partition Visibility	shared
Schema	`a10-proprietary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling/a10-proprietary

a10-proprietary attributes

```
POST /axapi/v3/sflow/polling/a10-proprietary
Payload:
{
    "a10-proprietary": {
        "export-deprecated-counters": 1
    }
}
```

Get Object

GET

/axapi/v3/sflow/polling/a10-proprietary

a10-proprietary attributes

Modify Object

POST

/axapi/v3/sflow/polling/a10-proprietary

a10-proprietary attributes

Replace Object

PUT

/axapi/v3/sflow/polling/a10-proprietary

a10-proprietary attributes

Delete Object

DELETE

/axapi/v3/sflow/polling/a10-proprietary

a10-proprietary attributes

a10-proprietary attributes

export-deprecated-counters

Description Export deprecated counters

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.19 sflow polling acos-info

Poll ACOS Information

acos-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	acos-info
Element URI	/axapi/v3/sflow/polling/acos-info
Element Attributes	acos-info_attributes
Partition Visibility	shared
Schema	`acos-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling/acos-info

acos-info attributes

Get Object

GET

/axapi/v3/sflow/polling/acos-info

acos-info attributes

Modify Object

POST

/axapi/v3/sflow/polling/acos-info

acos-info attributes

Replace Object

PUT

/axapi/v3/sflow/polling/acos-info

acos-info attributes

acos-info attributes

toggle

Description 'enable': Enable polling ACOS Information; 'disable': Disable polling ACOS Information;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.20 sflow polling ddos

Poll DDoS counters

ddos Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ddos
Element URI	/axapi/v3/sflow/polling/ddos
Element Attributes	ddos_attributes
Partition Visibility	shared
Schema	`ddos schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling/ddos

ddos attributes

```
POST /axapi/v3/sflow/polling/ddos
Payload:
{
    "ddos": {
        "toggle": "enable"
    }
}
```

Get Object

GET

/axapi/v3/sflow/polling/ddos

ddos attributes

Modify Object

POST

/axapi/v3/sflow/polling/ddos

ddos attributes

Replace Object

PUT

/axapi/v3/sflow/polling/ddos

ddos attributes

Delete Object

DELETE

/axapi/v3/sflow/polling/ddos

ddos attributes

ddos attributes

dns-cache-zone-stats

Description Enable polling for dns cache per instance and per zone statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dyn-entry-stats

Description Enable polling for dynamic entry statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-anomaly-stats

Description Enable Polling for system wide anomaly statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

toggle

Description 'enable': Enable sflow polling for DDOS statistics; 'disable': Disable sflow polling for DDOS statistics;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.21 sflow polling ethernet

Configure sFlow counter polling on ethernet interfaces

ethernet Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*start*
Collection Name	*ethernet-list*
Collection URI	/axapi/v3/sflow/polling/ethernet
Element Name	ethernet
Element URI	/axapi/v3/sflow/polling/ethernet/{start}
Element Attributes	ethernet_attributes
Partition Visibility	shared
Schema	`ethernet schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling/ethernet

ethernet attributes

```
POST /axapi/v3/sflow/polling/ethernet/
Payload:
{
    "ethernet": {
        "start": 1
    }
}
```

Create List

POST

/axapi/v3/sflow/polling/ethernet

ethernet attributes

Get Object

GET

/axapi/v3/sflow/polling/ethernet/{start}

ethernet attributes

Get List

GET

/axapi/v3/sflow/polling/ethernet

ethernet-list

Modify Object

POST

/axapi/v3/sflow/polling/ethernet/{start}

ethernet attributes

Replace Object

PUT

/axapi/v3/sflow/polling/ethernet/{start}

ethernet attributes

Replace List

PUT

/axapi/v3/sflow/polling/ethernet

ethernet-list

Delete Object

DELETE

/axapi/v3/sflow/polling/ethernet/{start}

ethernet attributes

ethernet-list

ethernet-list is **JSON List** of *ethernet attributes*

ethernet-list : [

{ *ethernet attributes* },

{ *ethernet attributes* },

...

]

ethernet attributes

start

Description Ethernet interface to poll

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.22 sflow polling ethernet-ext

Configure sFlow extended counter polling on ethernet interfaces

ethernet-ext Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*start*
Collection Name	*ethernet-ext-list*
Collection URI	/axapi/v3/sflow/polling/ethernet-ext
Element Name	ethernet-ext
Element URI	/axapi/v3/sflow/polling/ethernet-ext/{start}
Element Attributes	ethernet-ext_attributes
Partition Visibility	shared
Schema	`ethernet-ext schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling/ethernet-ext

ethernet-ext attributes

```
POST /axapi/v3/sflow/polling/ethernet-ext/
Payload:
{
    "ethernet-ext": {
        "start": 1
    }
}
```

Create List

POST

/axapi/v3/sflow/polling/ethernet-ext

ethernet-ext attributes

Get Object

GET

/axapi/v3/sflow/polling/ethernet-ext/{start}

ethernet-ext attributes

Get List

GET

/axapi/v3/sflow/polling/ethernet-ext

ethernet-ext-list

Modify Object

POST

/axapi/v3/sflow/polling/ethernet-ext/{start}

ethernet-ext attributes

Replace Object

PUT

/axapi/v3/sflow/polling/ethernet-ext/{start}

ethernet-ext attributes

Replace List

PUT

/axapi/v3/sflow/polling/ethernet-ext

ethernet-ext-list

Delete Object

DELETE

/axapi/v3/sflow/polling/ethernet-ext/{start}

ethernet-ext attributes

ethernet-ext-list

ethernet-ext-list is **JSON List** of *ethernet-ext attributes*

ethernet-ext-list : [

{ *ethernet-ext attributes* },

{ *ethernet-ext attributes* },

...

]

ethernet-ext attributes

start

Description Ethernet interface to poll

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.23 sflow polling http

Poll HTTP counters

http Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http
Element URI	/axapi/v3/sflow/polling/http
Element Attributes	http_attributes
Partition Visibility	shared
Schema	`http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling/http

http attributes

Get Object

GET

/axapi/v3/sflow/polling/http

http attributes

Modify Object

POST

/axapi/v3/sflow/polling/http

http attributes

Replace Object

PUT

/axapi/v3/sflow/polling/http

http attributes

http attributes

toggle

Description 'enable': Enable polling HTTP counters; 'disable': Disable polling HTTP counters;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.24 sflow polling system-health

Poll system-health counters

system-health Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system-health
Element URI	/axapi/v3/sflow/polling/system-health
Element Attributes	system-health_attributes
Partition Visibility	shared
Schema	`system-health schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/polling/system-health

system-health attributes

```
POST /axapi/v3/sflow/polling/system-health
Payload:
{
    "system-health": {
        "system-health-usage": "enable"
    }
}
```

Get Object

GET

/axapi/v3/sflow/polling/system-health

system-health attributes

Modify Object

POST

/axapi/v3/sflow/polling/system-health

system-health attributes

Replace Object

PUT

/axapi/v3/sflow/polling/system-health

system-health attributes

Delete Object

DELETE

/axapi/v3/sflow/polling/system-health

system-health attributes

system-health attributes

license-statistics

Description 'enable': Enable polling license statistics; 'disable': Disable polling license statistics;

Type: string

Supported Values: enable, disable

Default: disable

per-control-cpu-usage

Description 'enable': Enable polling control cpu; 'disable': Disable polling control cpu usage;

Type: string

Supported Values: enable, disable

Default: disable

per-data-cpu-usage

Description 'enable': Enable polling data cpu; 'disable': Disable polling data cpu usage;

Type: string

Supported Values: enable, disable

Default: disable

system-health-usage

Description 'enable': Enable polling system health information; 'disable': Disable polling system health information;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.25 sflow sampling

Configure sFlow sampling on specified interfaces

sampling Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sampling
Element URI	/axapi/v3/sflow/sampling
Element Attributes	sampling_attributes
Partition Visibility	shared
Schema	`sampling schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/sampling

sampling attributes

```
POST /axapi/v3/sflow/sampling
Payload:
{
    "sampling": {
        "eth-list": [
            {
                "eth-start": 1,
                "eth-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/sflow/sampling

sampling attributes

```
GET /axapi/v3/sflow/sampling
Reponse:
{
    "sampling": {
        "eth-list": [
            {
                "eth-start": 1,
                "eth-end": 1
            }
        ],
        "uuid": "5ad505b4-08f8-11f0-8d85-bb094934892a",
        "a10-url": "/axapi/v3/sflow/sampling"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/sampling

sampling attributes

Replace Object

PUT

/axapi/v3/sflow/sampling

sampling attributes

```
PUT /axapi/v3/sflow/sampling
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "sampling": {
        "eth-list": [
            {
                "eth-start": 2,
                "eth-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/sampling

sampling attributes

```
DELETE /axapi/v3/sflow/sampling
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

sampling attributes

eth-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-list

Type: List

eth-list

Specification	Value
Type	*list*
Block object keys	

eth-end

Description Ethernet interface to sample

Type: number

Format: interface

eth-start

Description Ethernet interface to sample

Type: number

Format: interface

ve-list

Specification	Value
Type	*list*
Block object keys	

ve-end

Description VE interface to sample

Type: number

Reference Object: */axapi/v3/interface/ve*

ve-start

Description VE interface to sample

Type: number

Reference Object: */axapi/v3/interface/ve*

2.118.26 sflow setting

Configure sFlow

setting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	setting
Element URI	/axapi/v3/sflow/setting
Element Attributes	setting_attributes
Partition Visibility	shared
Schema	`setting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/setting

setting attributes

```
POST /axapi/v3/sflow/setting
Payload:
{
    "setting": {
        "max-header": 14
    }
}
```

Get Object

GET

/axapi/v3/sflow/setting

setting attributes

```
GET /axapi/v3/sflow/setting
Reponse:
{
    "setting": {
        "max-header": 14,
        "source-ip-use-mgmt": 0,
        "packet-sampling-rate": 1000,
        "counter-polling-interval": 20,
        "local-collection": "disable",
        "default-counter-polling-mtu": 1500,
        "append-mapping-info": 0,
        "enlarge-zone-name": 0,
        "uuid": "5ad502d0-08f8-11f0-8d85-bb094934892a",
        "a10-url": "/axapi/v3/sflow/setting"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/setting

setting attributes

Replace Object

PUT

/axapi/v3/sflow/setting

setting attributes

```
PUT /axapi/v3/sflow/setting
Payload:
{
    "setting": {
        "max-header": 15
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/setting

setting attributes

```
DELETE /axapi/v3/sflow/setting
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

setting attributes

append-mapping-info

Description Allow TPS to always send mapping ctr block (260, 271, and 272)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

counter-polling-interval

Description sFlow counter polling interval, default is 20

Type: number

Range: 1-200

Default: 20

ddos-source-id-export

Description Enable exporting DDoS sourceID in sflow packet sample

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-counter-polling-mtu

Description Default MTU for counter-polling packets - DDoS 3.2 format only (Default: 1500)

Type: number

Range: 1200-1500

Default: 1500

enlarge-zone-name

Description Allow TPS to packet up to 127 character zone names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-collection

Description 'enable': Enable local sflow collection (Default); 'disable': Disable local sflow collection;

Type: string

Supported Values: enable, disable

Default: disable

local-t1-polling-interval

Description Set sFlow local counter polling interval for T1 stats

Type: number

Range: 1-18000

local-t2-polling-interval

Description Set sFlow local counter polling interval for T2 stats

Type: number

Range: 1-18000

management-link-utilization

Description limit management link speed in (Mbps)

Type: number

Range: 1-10000

Mutual Exclusion: management-link-utilization and management-link-utilization-percentage are mutually exclusive

management-link-utilization-percentage

Description percentage limit of the management link speed (Default is 30%)

Type: number

Range: 1-100

Default: 30

Mutual Exclusion: management-link-utilization-percentage and management-link-utilization are mutually exclusive

max-header

Description Configure maximum number of bytes that should be copied from a sampled packet (default: 128) (The maximum number of bytes (Default: 128))

Type: number

Range: 14-512

one-blk-per-pkt

Description Forces sFlow packet to only contain one sFlow counter block

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-sampling-rate

Description sFlow packet sampling rate, default is 1000

Type: number

Range: 10-10000

Default: 1000

port-range-end

Description Source port-range end

Type: number

Range: 2049-63640

port-range-start

Description Source port-range

Type: number

Range: 2049-63640

randomize-source-port

Description 'enable': Randomize source port; 'disable': Fix source port 6343; 'packet-sampling-only': Only randomized source port for packet-sampling (Default);

Type: string

Supported Values: enable, disable, packet-sampling-only

Default: packet-sampling-only

source-ip-use-mgmt

Description Use management interface's IP address for source IP of sFlow packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.118.27 sflow source-address

Specify source address of sFlow packet

source-address Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	source-address
Element URI	/axapi/v3/sflow/source-address
Element Attributes	source-address_attributes
Partition Visibility	shared
Schema	`source-address schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sflow/source-address

source-address attributes

```
POST /axapi/v3/sflow/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.3"
    }
}
```

Get Object

GET

/axapi/v3/sflow/source-address

source-address attributes

```
GET /axapi/v3/sflow/source-address
Reponse:
{
    "source-address": {
        "ip": "3.3.3.3",
        "uuid": "8aaaabf4-0902-11f0-8ff3-bb094934892a",
        "a10-url": "/axapi/v3/sflow/source-address"
    }
}
```

Modify Object

POST

/axapi/v3/sflow/source-address

source-address attributes

Replace Object

PUT

/axapi/v3/sflow/source-address

source-address attributes

```
PUT /axapi/v3/sflow/source-address
Payload:
{
    "source-address": {
        "ip": "3.3.3.4"
    }
}
```

Delete Object

DELETE

/axapi/v3/sflow/source-address

source-address attributes

```
DELETE /axapi/v3/sflow/source-address
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

source-address attributes

ip

Description Source IPv4 address

Type: string

Format: ipv4-address

ipv6

Description Source IPv6 address

Type: string

Format: ipv6-address

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.119 single-board-mode

Objects:

2.119.1 single-board-mode

chassis single board mode config

single-board-mode Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	single-board-mode
Element URI	/axapi/v3/single-board-mode
Element Attributes	single-board-mode_attributes
Partition Visibility	shared
Schema	`single-board-mode schema`

Operations Allowed:

Create Object

POST

/axapi/v3/single-board-mode

single-board-mode attributes

```
POST /axapi/v3/single-board-mode
Payload:
{
    "single-board-mode": {
        "forced": 1
    }
}
```

Get Object

GET

/axapi/v3/single-board-mode

single-board-mode attributes

Modify Object

POST

/axapi/v3/single-board-mode

single-board-mode attributes

Replace Object

PUT

/axapi/v3/single-board-mode

single-board-mode attributes

Delete Object

DELETE

/axapi/v3/single-board-mode

single-board-mode attributes

single-board-mode attributes

fallback

Description Run the chasis in single board mode if no communication with the blade board.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fallback and forced are mutually exclusive

forced

Description Run the chasis in single board mode only.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forced and fallback are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120 slb

Objects:

2.120.1 slb

SLB related commands

slb Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	slb
Element URI	/axapi/v3/slb
Element Attributes	slb_attributes
Partition Visibility	shared
Schema	`slb schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb

slb_attributes

slb attributes

ac-class-list-list

Type: List

Reference Object: */axapi/v3/slb/ac-class-list/{name}*

aflex

Description: aflex is a **JSON Block**. Please see below for *aflex*

Type: Object

Reference Object: */axapi/v3/slb/aflex*

aflex-log

Description: aflex-log is a **JSON Block**. Please see below for *aflex-log*

Type: Object

Reference Object: */axapi/v3/slb/aflex-log*

aflow

Description: aflow is a **JSON Block**. Please see below for *aflow*

Type: Object

Reference Object: */axapi/v3/slb/aflow*

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Reference Object: */axapi/v3/slb/common*

connection-reuse

Description: connection-reuse is a **JSON Block**. Please see below for *connection-reuse*

Type: Object

Reference Object: */axapi/v3/slb/connection-reuse*

crl-srcip

Description: crl-srcip is a **JSON Block**. Please see below for *crl-srcip*

Type: Object

Reference Object: */axapi/v3/slb/crl-srcip*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Reference Object: */axapi/v3/slb/dns*

dns-cache

Description: dns-cache is a **JSON Block**. Please see below for *dns-cache*

Type: Object

Reference Object: */axapi/v3/slb/dns-cache*

dns-persistent-cache

Description: dns-persistent-cache is a **JSON Block**. Please see below for *dns-persistent-cache*

Type: Object

Reference Object: */axapi/v3/slb/dns-persistent-cache*

dns-response-rate-limiting

Description: dns-response-rate-limiting is a **JSON Block**. Please see below for *dns-response-rate-limiting*

Type: Object

Reference Object: */axapi/v3/slb/dns-response-rate-limiting*

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

Reference Object: */axapi/v3/slb/dns64*

domain-list-info

Description: domain-list-info is a **JSON Block**. Please see below for *domain-list-info*

Type: Object

Reference Object: */axapi/v3/slb/domain-list-info*

dynamic-service-dns

Description: dynamic-service-dns is a **JSON Block**. Please see below for *dynamic-service-dns*

Type: Object

Reference Object: */axapi/v3/slb/dynamic-service-dns*

ecmp

Description: ecmp is a **JSON Block**. Please see below for *ecmp*

Type: Object

Reference Object: */axapi/v3/slb/ecmp*

fast-http-proxy

Description: fast-http-proxy is a **JSON Block**. Please see below for *fast-http-proxy*

Type: Object

Reference Object: */axapi/v3/slb/fast-http-proxy*

fix

Description: fix is a **JSON Block**. Please see below for *fix*

Type: Object

Reference Object: */axapi/v3/slb/fix*

forward-proxy

Description: forward-proxy is a **JSON Block**. Please see below for *forward-proxy*

Type: Object

Reference Object: */axapi/v3/slb/forward-proxy*

ftp-ctl

Description: ftp-ctl is a **JSON Block**. Please see below for *ftp-ctl*

Type: Object

Reference Object: */axapi/v3/slb/ftp-ctl*

ftp-data

Description: ftp-data is a **JSON Block**. Please see below for *ftp-data*

Type: Object

Reference Object: */axapi/v3/slb/ftp-data*

ftp-proxy

Description: ftp-proxy is a **JSON Block**. Please see below for *ftp-proxy*

Type: Object

Reference Object: */axapi/v3/slb/ftp-proxy*

fwd-policy-snat-pt-only

Description: fwd-policy-snat-pt-only is a **JSON Block**. Please see below for *fwd-policy-snat-pt-only*

Type: Object

Reference Object: */axapi/v3/slb/fwd-policy-snat-pt-only*

gaming-protocol-compliance-port-list

Type: List

Reference Object: */axapi/v3/slb/gaming-protocol-compliance-port/{port}*

gaming-protocol-compliance-salt

Description: gaming-protocol-compliance-salt is a **JSON Block**. Please see below for *gaming-protocol-compliance-salt*

Type: Object

Reference Object: */axapi/v3/slb/gaming-protocol-compliance-salt*

generic-proxy

Description: generic-proxy is a **JSON Block**. Please see below for *generic-proxy*

Type: Object

Reference Object: */axapi/v3/slb/generic-proxy*

health-check-details

Description: health-check-details is a **JSON Block**. Please see below for *health-check-details*

Type: Object

Reference Object: */axapi/v3/slb/health-check-details*

health-check-summary

Description: health-check-summary is a **JSON Block**. Please see below for *health-check-summary*

Type: Object

Reference Object: */axapi/v3/slb/health-check-summary*

health-down-reason

Description: health-down-reason is a **JSON Block**. Please see below for *health-down-reason*

Type: Object

Reference Object: */axapi/v3/slb/health-down-reason*

health-gateway

Description: health-gateway is a **JSON Block**. Please see below for *health-gateway*

Type: Object

Reference Object: */axapi/v3/slb/health-gateway*

health-monitor

Description: health-monitor is a **JSON Block**. Please see below for *health-monitor*

Type: Object

Reference Object: */axapi/v3/slb/health-monitor*

health-stat

Description: health-stat is a **JSON Block**. Please see below for *health-stat*

Type: Object

Reference Object: */axapi/v3/slb/health-stat*

health-up-reason

Description: health-up-reason is a **JSON Block**. Please see below for *health-up-reason*

Type: Object

Reference Object: */axapi/v3/slb/health-up-reason*

hm-dplane

Description: hm-dplane is a **JSON Block**. Please see below for *hm-dplane*

Type: Object

Reference Object: */axapi/v3/slb/hm-dplane*

http-proxy

Description: http-proxy is a **JSON Block**. Please see below for *http-proxy*

Type: Object

Reference Object: */axapi/v3/slb/http-proxy*

http2

Description: http2 is a **JSON Block**. Please see below for *http2*

Type: Object

Reference Object: */axapi/v3/slb/http2*

http3

Description: http3 is a **JSON Block**. Please see below for *http3*

Type: Object

Reference Object: */axapi/v3/slb/http3*

hw-compress

Description: hw-compress is a **JSON Block**. Please see below for *hw-compress*

Type: Object

Reference Object: */axapi/v3/slb/hw-compress*

icap

Description: icap is a **JSON Block**. Please see below for *icap*

Type: Object

Reference Object: */axapi/v3/slb/icap*

icap_http

Description: icap_http is a **JSON Block**. Please see below for *icap_http*

Type: Object

Reference Object: */axapi/v3/slb/icap_http*

imap-proxy

Description: imap-proxy is a **JSON Block**. Please see below for *imap-proxy*

Type: Object

Reference Object: */axapi/v3/slb/imap-proxy*

ip-dns-cache

Description: ip-dns-cache is a **JSON Block**. Please see below for *ip-dns-cache*

Type: Object

Reference Object: */axapi/v3/slb/ip-dns-cache*

ipv6-class-list-list

Type: List

Reference Object: */axapi/v3/slb/ipv6-class-list/{name}*

l4

Description: l4 is a **JSON Block**. Please see below for *l4*

Type: Object

Reference Object: */axapi/v3/slb/l4*

l7session

Description: l7session is a **JSON Block**. Please see below for *l7session*

Type: Object

Reference Object: */axapi/v3/slb/l7session*

link-probe

Description: link-probe is a **JSON Block**. Please see below for *link-probe*

Type: Object

Reference Object: */axapi/v3/slb/link-probe*

mlb

Description: mlb is a **JSON Block**. Please see below for *mlb*

Type: Object

Reference Object: */axapi/v3/slb/mlb*

mqtt

Description: mqtt is a **JSON Block**. Please see below for *mqtt*

Type: Object

Reference Object: */axapi/v3/slb/mqtt*

mssql

Description: mssql is a **JSON Block**. Please see below for *mssql*

Type: Object

Reference Object: */axapi/v3/slb/mssql*

mysql

Description: mysql is a **JSON Block**. Please see below for *mysql*

Type: Object

Reference Object: */axapi/v3/slb/mysql*

passthrough

Description: passthrough is a **JSON Block**. Please see below for *passthrough*

Type: Object

Reference Object: */axapi/v3/slb/passthrough*

perf

Description: perf is a **JSON Block**. Please see below for *perf*

Type: Object

Reference Object: */axapi/v3/slb/perf*

persist

Description: persist is a **JSON Block**. Please see below for *persist*

Type: Object

Reference Object: */axapi/v3/slb/persist*

player-id-ep

Description: player-id-ep is a **JSON Block**. Please see below for *player-id-ep*

Type: Object

Reference Object: */axapi/v3/slb/player-id-ep*

player-id-global

Description: player-id-global is a **JSON Block**. Please see below for *player-id-global*

Type: Object

Reference Object: */axapi/v3/slb/player-id-global*

player-id-list

Description: player-id-list is a **JSON Block**. Please see below for *player-id-list*

Type: Object

Reference Object: */axapi/v3/slb/player-id-list*

pop3-proxy

Description: pop3-proxy is a **JSON Block**. Please see below for *pop3-proxy*

Type: Object

Reference Object: */axapi/v3/slb/pop3-proxy*

proxy

Description: proxy is a **JSON Block**. Please see below for *proxy*

Type: Object

Reference Object: */axapi/v3/slb/proxy*

quic

Description: quic is a **JSON Block**. Please see below for *quic*

Type: Object

Reference Object: */axapi/v3/slb/quic*

rate-limit-log

Description: rate-limit-log is a **JSON Block**. Please see below for *rate-limit-log*

Type: Object

Reference Object: */axapi/v3/slb/rate-limit-log*

rc-cache-global

Description: rc-cache-global is a **JSON Block**. Please see below for *rc-cache-global*

Type: Object

Reference Object: */axapi/v3/slb/rc-cache-global*

reset-unknown-conn

Description: reset-unknown-conn is a **JSON Block**. Please see below for *reset-unknown-conn*

Type: Object

Reference Object: */axapi/v3/slb/reset-unknown-conn*

resource-usage

Description: resource-usage is a **JSON Block**. Please see below for *resource-usage*

Type: Object

Reference Object: */axapi/v3/slb/resource-usage*

rpz

Description: rpz is a **JSON Block**. Please see below for *rpz*

Type: Object

Reference Object: */axapi/v3/slb/rpz*

secure-gaming

Description: secure-gaming is a **JSON Block**. Please see below for *secure-gaming*

Type: Object

Reference Object: */axapi/v3/slb/secure-gaming*

server-group-list

Type: List

Reference Object: */axapi/v3/slb/server-group/{name}*

server-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}*

server-ssl-counters

Description: server-ssl-counters is a **JSON Block**. Please see below for *server-ssl-counters*

Type: Object

Reference Object: */axapi/v3/slb/server-ssl-counters*

service-group-list

Type: List

Reference Object: */axapi/v3/slb/service-group/{name}*

sip

Description: sip is a **JSON Block**. Please see below for *sip*

Type: Object

Reference Object: */axapi/v3/slb/sip*

smpp

Description: smpp is a **JSON Block**. Please see below for *smpp*

Type: Object

Reference Object: */axapi/v3/slb/smpp*

smtp

Description: smtp is a **JSON Block**. Please see below for *smtp*

Type: Object

Reference Object: */axapi/v3/slb/smtp*

spdy-proxy

Description: spdy-proxy is a **JSON Block**. Please see below for *spdy-proxy*

Type: Object

Reference Object: */axapi/v3/slb/spdy-proxy*

sport-rate-limit

Description: sport-rate-limit is a **JSON Block**. Please see below for *sport-rate-limit*

Type: Object

Reference Object: */axapi/v3/slb/sport-rate-limit*

ssl

Description: ssl is a **JSON Block**. Please see below for *ssl*

Type: Object

Reference Object: */axapi/v3/slb/ssl*

ssl-acme-cert-log

Description: ssl-acme-cert-log is a **JSON Block**. Please see below for *ssl-acme-cert-log*

Type: Object

Reference Object: */axapi/v3/slb/ssl-acme-cert-log*

ssl-acme-cert-status

Description: ssl-acme-cert-status is a **JSON Block**. Please see below for *ssl-acme-cert-status*

Type: Object

Reference Object: */axapi/v3/slb/ssl-acme-cert-status*

ssl-ca-cert

Description: ssl-ca-cert is a **JSON Block**. Please see below for *ssl-ca-cert*

Type: Object

Reference Object: */axapi/v3/slb/ssl-ca-cert*

ssl-cert

Description: ssl-cert is a **JSON Block**. Please see below for *ssl-cert*

Type: Object

Reference Object: */axapi/v3/slb/ssl-cert*

ssl-cert-expire-check

Description: ssl-cert-expire-check is a **JSON Block**. Please see below for *ssl-cert-expire-check*

Type: Object

Reference Object: */axapi/v3/slb/ssl-cert-expire-check*

ssl-cert-pinning-candidate-list

Description: ssl-cert-pinning-candidate-list is a **JSON Block**. Please see below for *ssl-cert-pinning-candidate-list*

Type: Object

Reference Object: */axapi/v3/slb/ssl-cert-pinning-candidate-list*

ssl-cert-revoke

Description: ssl-cert-revoke is a **JSON Block**. Please see below for *ssl-cert-revoke*

Type: Object

Reference Object: */axapi/v3/slb/ssl-cert-revoke*

ssl-cert-stats

Description: ssl-cert-stats is a **JSON Block**. Please see below for *ssl-cert-stats*

Type: Object

Reference Object: */axapi/v3/slb/ssl-cert-stats*

ssl-cmp-cert-log

Description: ssl-cmp-cert-log is a **JSON Block**. Please see below for *ssl-cmp-cert-log*

Type: Object

Reference Object: */axapi/v3/slb/ssl-cmp-cert-log*

ssl-cmp-cert-status

Description: ssl-cmp-cert-status is a **JSON Block**. Please see below for *ssl-cmp-cert-status*

Type: Object

Reference Object: */axapi/v3/slb/ssl-cmp-cert-status*

ssl-counters

Description: ssl-counters is a **JSON Block**. Please see below for *ssl-counters*

Type: Object

Reference Object: */axapi/v3/slb/ssl-counters*

ssl-crl

Description: ssl-crl is a **JSON Block**. Please see below for *ssl-crl*

Type: Object

Reference Object: */axapi/v3/slb/ssl-crl*

ssl-error

Description: ssl-error is a **JSON Block**. Please see below for *ssl-error*

Type: Object

Reference Object: */axapi/v3/slb/ssl-error*

ssl-expire-check

Description: ssl-expire-check is a **JSON Block**. Please see below for *ssl-expire-check*

Type: Object

Reference Object: */axapi/v3/slb/ssl-expire-check*

ssl-forward-proxy

Description: ssl-forward-proxy is a **JSON Block**. Please see below for *ssl-forward-proxy*

Type: Object

Reference Object: */axapi/v3/slb/ssl-forward-proxy*

ssl-forward-proxy-cert

Description: ssl-forward-proxy-cert is a **JSON Block**. Please see below for *ssl-forward-proxy-cert*

Type: Object

Reference Object: */axapi/v3/slb/ssl-forward-proxy-cert*

ssl-ja3

Description: ssl-ja3 is a **JSON Block**. Please see below for *ssl-ja3*

Type: Object

Reference Object: */axapi/v3/slb/ssl-ja3*

ssl-ja4

Description: ssl-ja4 is a **JSON Block**. Please see below for *ssl-ja4*

Type: Object

Reference Object: */axapi/v3/slb/ssl-ja4*

ssl-ocsp

Description: ssl-ocsp is a **JSON Block**. Please see below for *ssl-ocsp*

Type: Object

Reference Object: */axapi/v3/slb/ssl-ocsp*

ssl-scep-cert-log

Description: ssl-scep-cert-log is a **JSON Block**. Please see below for *ssl-scep-cert-log*

Type: Object

Reference Object: */axapi/v3/slb/ssl-scep-cert-log*

ssl-scep-cert-status

Description: ssl-scep-cert-status is a **JSON Block**. Please see below for *ssl-scep-cert-status*

Type: Object

Reference Object: */axapi/v3/slb/ssl-scep-cert-status*

ssl-stats

Description: ssl-stats is a **JSON Block**. Please see below for *ssl-stats*

Type: Object

Reference Object: */axapi/v3/slb/ssl-stats*

svm-source-nat

Description: svm-source-nat is a **JSON Block**. Please see below for *svm-source-nat*

Type: Object

Reference Object: */axapi/v3/slb/svm-source-nat*

switch

Description: switch is a **JSON Block**. Please see below for *switch*

Type: Object

Reference Object: */axapi/v3/slb/switch*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Reference Object: */axapi/v3/slb/template*

transparent-acl-template

Description: transparent-acl-template is a **JSON Block**. Please see below for *transparent-acl-template*

Type: Object

Reference Object: */axapi/v3/slb/transparent-acl-template*

transparent-tcp-template

Description: transparent-tcp-template is a **JSON Block**. Please see below for *transparent-tcp-template*

Type: Object

Reference Object: */axapi/v3/slb/transparent-tcp-template*

tsig

Description: tsig is a **JSON Block**. Please see below for *tsig*

Type: Object

Reference Object: */axapi/v3/slb/tsig*

virtual-server-list

Type: List

Reference Object: */axapi/v3/slb/virtual-server/{name}*

rc-cache-global

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rc-cache-global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Cache Hits; 'miss': Cache Misses; 'bytes_served': Bytes Served; 'total_req': Total Requests; 'caching_req': Cacheable Requests; 'nc_req_header': No-cache Request; 'nc_res_header': Not cacheable; 'rv_success': Revalidation Successes; 'rv_failure': Revalidation Failures; 'ims_request': IMS Requests; 'nm_response': Responses from cache 304 Not Modified; 'rsp_type_CL': Responses from server 200 OK - Cont Len; 'rsp_type_CE': Responses from server 200 OK - Chnk Enc; 'rsp_type_304': Responses from server 304 Not

Modified; 'rsp_type_other': Responses from server 200 OK - Other; 'rsp_no_compress': Responses from cache 200 OK - No Comp; 'rsp_gzip': Responses from cache 200 OK - Gzip; 'rsp_deflate': Responses from cache 200 OK - Deflate; 'rsp_other': Responses from cache Other; 'nocache_match': Policy URI nocache; 'match': Policy URI cache; 'invalidate_match': Policy URI invalidate; 'content_toobig': Policy Content Too Big; 'content_toosmall': Policy Content Too Small; 'entry_create_failures': Entry Create failures; 'mem_size': Memory Used; 'entry_num': Entry Cached; 'replaced_entry': Entry Replaced; 'aging_entry': Entry Aged Out; 'cleaned_entry': Entry Cleaned; 'rsp_type_stream': Responses from http2 server 200 OK - Stream; 'rsp_br': Responses from cache 200 OK - Brotli;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream, rsp_br

imap-proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

imap-proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'feat': feat packet; 'cc': clear ctrl port packet; 'data_ssl': data ssl force; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'auth_tls': auth tls cmd; 'prot': prot cmd; 'pbsz': pbsz cmd; 'pasv': pasv cmd; 'port': port cmd; 'request_dont_care': other cmd; 'client_auth_tls': client auth tls; 'cant_find_pasv': cant find pasv; 'pasv_addr_ne_server': psv addr not equal to svr; 'smp_create_fail': smp create fail; 'data_server_conn_fail': data svr conn fail; 'data_send_fail': data send fail;

'epsv': epsv command; 'cant_find_epsv': cant find epsv; 'data_curr': Current Data Proxy; 'data_total': Total Data Proxy; 'auth_unsupported': Unsupported auth; 'adat': adat cmd; 'unsupported_pbsz_value': Unsupported PBSZ; 'unsupported_prot_value': Unsupported PROT; 'unsupported_command': Unsupported cmd; 'control_to_clear': Control chn clear txt; 'control_to_ssl': Control chn ssl; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'data_conn_start_err': Data Start state error; 'data_serv_connecting_err': Data Serv CTNG error; 'data_serv_connected_err': Data Serv CTED error; 'request': Total FTP Request; 'capability': Capability cmd; 'start_tls': Total Start TLS cmd; 'login': Total Login cmd; 'realloc_error': Realloc error; 'alloc_error': Alloc error; 'boundary_error': Boundary error; 'negative_error': Negative error;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, feat, cc, data_ssl, line_too_long, line_mem_freed, invalid_start_line, auth_tls, prot, pbsz, pasv, port, request_dont_care, client_auth_tls, cant_find_pasv, pasv_addr_ne_server, smp_create_fail, data_server_conn_fail, data_send_fail, epsv, cant_find_epsv, data_curr, data_total, auth_unsupported, adat, unsupported_pbsz_value, unsupported_prot_value, unsupported_command, control_to_clear, control_to_ssl, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, data_conn_start_err, data_serv_connecting_err, data_serv_connected_err, request, capability, start_tls, login, realloc_error, alloc_error, boundary_error, negative_error

ssl-cert-stats

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mysql

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mysql_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_be_enc': Curr BE Encryption Conns; 'total_be_enc': Total BE Encryption Conns; 'curr_fe_enc': Curr FE Encryption Conns; 'total_fe_enc': Total FE Encryption Conns; 'client_fin': Client FIN; 'server_fin': Server FIN; 'session_err': Session err; 'queries': DB Queries; 'commands': DB commands reply;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_be_enc, total_be_enc, curr_fe_enc, total_fe_enc, client_fin, server_fin, session_err, queries, commands

aflex

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

domain-list-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spdy-proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spdy-proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_http_proxy': Curr HTTP Proxy Conns; 'total_http_proxy': Total HTTP Proxy Conns; 'total_v2_proxy': Version 2 Streams; 'total_v3_proxy': Version 3 Streams; 'curr_stream': Curr Streams; 'total_stream': Total Streams; 'total_stream_succ': Streams(succ); 'client_rst': client_rst; 'server_rst': Server RST sent; 'client_goaway': client_goaway; 'server_goaway': Server GOAWAY sent; 'tcp_err': TCP sock error; 'inflate_ctx': Inflate context; 'deflate_ctx': Deflate context; 'ping_sent': PING sent; 'stream_not_found': STREAM not found; 'client_fin': Client FIN; 'server_fin': Server FIN; 'stream_close': Stream close; 'stream_err': Stream err; 'session_err': Session err; 'control_frame': Control frame received; 'syn_frame': SYN stream frame received; 'syn_reply_frame': SYN reply frame received; 'headers_frame': Headers frame received; 'settings_frame': Setting frame received; 'window_frame': Window update frame received; 'ping_frame': Ping frame received; 'data_frame': Data frame received; 'data_no_stream': Data no stream found; 'data_no_stream_no_goaway': Data no stream and no goaway; 'data_no_stream_goaway_close': Data no stream and no goaway and close session; 'est_cb_no_tuple': Est callback no tuple; 'data_cb_no_tuple': Data callback no tuple; 'ctx_alloc_fail': Context alloc fail; 'fin_close_session': FIN close session; 'server_rst_close_stream': Server RST close stream; 'stream_found': Stream found; 'close_stream_session_not_found': Close stream session not found; 'close_stream_stream_not_found': Close stream stream not found; 'close_stream_already_closed': Closing closed stream; 'close_stream_session_close': Stream close session close; 'close_session_already_closed': Closing closed session; 'max_concurrent_stream_limit': Max concurrent stream limit; 'stream_alloc_fail': Stream alloc fail; 'http_conn_alloc_fail': HTTP connection allocation fail; 'request_header_alloc_fail': Request/Header allocation fail; 'name_value_total_len_ex': Name value total length exceeded;

'name_value_zero_len': Name value zero name length; 'name_value_invalid_http_ver': Name value invalid http version; 'name_value_connection': Name value connection; 'name_value_keepalive': Name value keep alive; 'name_value_proxy_conn': Name value proxy-connection; 'name_value_trasnfer_encod': Name value transfer encoding; 'name_value_no_must_have': Name value no must have; 'decompress_fail': Decompress fail; 'syn_after_goaway': SYN after goaway; 'stream_lt_prev': Stream id less than previous; 'syn_stream_exist_or_even': Stream already exists; 'syn_unidir': Unidirectional SYN; 'syn_reply_alr_rcvd': SYN reply already received; 'client_rst_nostream': Close RST stream not found; 'window_no_stream': Window update no stream found; 'invalid_window_size': Invalid window size; 'unknown_control_frame': Unknown control frame; 'data_on_closed_stream': Data on closed stream; 'invalid_frame_size': Invalid frame size; 'invalid_version': Invalid version; 'header_after_session_close': Header after session close; 'compress_ctx_alloc_fail': Compression context allocation fail; 'header_compress_fail': Header compress fail; 'http_data_session_close': HTTP data session close; 'http_data_stream_not_found': HTTP data stream not found; 'close_stream_not_http_proxy': Close Stream not http-proxy; 'session_needs_requeue': Session needs requeue; 'new_stream_session_del': New Stream after Session delete; 'fin_stream_closed': HTTP FIN stream already closed; 'http_close_stream_closed': HTTP close stream already closed; 'http_err_stream_closed': HTTP error stream already closed; 'http_hdr_stream_close': HTTP header stream already closed; 'http_data_stream_close': HTTP data stream already closed; 'session_close': Session close;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_http_proxy, total_http_proxy, total_v2_proxy, total_v3_proxy, curr_stream, total_stream, total_stream_succ, client_rst, server_rst, client_goaway, server_goaway, tcp_err, inflate_ctx, deflate_ctx, ping_sent, stream_not_found, client_fin, server_fin, stream_close, stream_err, session_err, control_frame, syn_frame, syn_reply_frame, headers_frame, settings_frame, window_frame, ping_frame, data_frame, data_no_stream, data_no_stream_no_goaway, data_no_stream_goaway_close, est_cb_no_tuple, data_cb_no_tuple, ctx_alloc_fail, fin_close_session, server_rst_close_stream, stream_found, close_stream_session_not_found, close_stream_stream_not_found, close_stream_already_closed, close_stream_session_close, close_session_already_closed, max_concurrent_stream_limit, stream_alloc_fail, http_conn_alloc_fail, request_header_alloc_fail, name_value_total_len_ex, name_value_zero_len, name_value_invalid_http_ver, name_value_connection, name_value_keepalive, name_value_proxy_conn, name_value_trasnfer_encod, name_value_no_must_have, decompress_fail, syn_after_goaway, stream_lt_prev, syn_stream_exist_or_even, syn_unidir, syn_reply_alr_rcvd, client_rst_nostream, window_no_stream, invalid_window_size, unknown_control_frame, data_on_closed_stream, invalid_frame_size, invalid_version, header_after_session_close, compress_ctx_alloc_fail, header_compress_fail, http_data_session_close, http_data_stream_not_found, close_stream_not_http_proxy, session_needs_requeue, new_stream_session_del, fin_stream_closed, http_close_stream_closed, http_err_stream_closed, http_hdr_stream_close, http_data_stream_close, session_close

fix

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fix_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'svrsel_fail': Server selection failure; 'noroute': No route failure; 'snat_fail': Source NAT failure; 'client_err': Client fail; 'server_err': Server fail; 'insert_clientip': Insert client IP; 'default_switching': Default switching; 'sender_switching': Sender ID switching; 'target_switching': Target ID switching; 'client_tls_conn': Client TLS conn; 'server_tls_conn': Server TLS conn;

Type: string

Supported Values: all, curr_proxy, total_proxy, svrsel_fail, noroute, snat_fail, client_err, server_err, insert_clientip, default_switching, sender_switching, target_switching, client_tls_conn, server_tls_conn

mqtt

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mqtt_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'recv_mqtt_connect': MQTT Connect; 'recv_mqtt_connack': MQTT Connack; 'recv_mqtt_publish': MQTT Publish; 'recv_mqtt_puback': MQTT Puback; 'recv_mqtt_pubrec': MQTT Pubrec; 'recv_mqtt_pubrel': MQTT Pubrel; 'recv_mqtt_pubcomp': MQTT Pubcomp; 'recv_mqtt_subscribe': MQTT Subscribe; 'recv_mqtt_suback': MQTT Suback; 'recv_mqtt_unsubscribe': MQTT Unsubscribe; 'recv_mqtt_unsuback': MQTT Unsuback; 'recv_mqtt_pingreq': MQTT Pingreq; 'recv_mqtt_pingresp': MQTT Pingresp; 'recv_mqtt_disconnect': MQTT Disconnect; 'recv_mqtt_auth': MQTT Auth; 'recv_mqtt_other': MQTT Unknown; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'request': Total MQTT Commands; 'parse_connect_fail': Parse connect failure; 'parse_publish_fail': Parse publish failure; 'parse_subscribe_fail': Parse subscribe failure; 'parse_unsubscribe_fail': Parse unsubscribe failure; 'tuple_not_linked': tuple-not-linked failure; 'tuple_already_linked': tuple-already-linked failure; 'conn_null': Null conn; 'client_id_null': Null client id; 'session_exist': Session already exist; 'insertion_failed': Insertion failure; 'insertion_successful': Insertion successful;

Type: string

Supported Values: all, recv_mqtt_connect, recv_mqtt_connack, recv_mqtt_publish, recv_mqtt_puback, recv_mqtt_pubrec, recv_mqtt_pubrel, recv_mqtt_pubcomp, recv_mqtt_subscribe, recv_mqtt_suback, recv_mqtt_unsubscribe, recv_mqtt_unsuback, recv_mqtt_pingreq, recv_mqtt_pingresp, recv_mqtt_disconnect, recv_mqtt_auth, recv_mqtt_other, curr_proxy, total_proxy, request, parse_connect_fail, parse_publish_fail, parse_subscribe_fail, parse_unsubscribe_fail, tuple_not_linked, tuple_already_linked, conn_null, client_id_null, session_exist, insertion_failed, insertion_successful

health-check-summary

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hash_tbl_trylock_fail': Hash tbl lock fail; 'hash_tbl_create_ok': Hash tbl create ok; 'hash_tbl_create_fail': Hash tbl create fail; 'hash_tbl_free': Hash tbl free; 'hash_tbl_rst_updown': Hash tbl reset (up/down); 'hash_tbl_rst_adddel': Hash tbl reset (add/del); 'url_hash_pri': URL hash persist (pri); 'url_hash_enqueue': URL hash persist (enQ); 'url_hash_sec': URL hash persist (sec); 'url_hash_fail': URL hash persist fail; 'header_hash_pri': Header hash persist(pri); 'header_hash_enqueue': Header hash persist(enQ); 'header_hash_sec': Header hash persist(sec); 'header_hash_fail': Header hash persist fail; 'src_ip': SRC IP persist ok; 'src_ip_enqueue': SRC IP persist enqueue; 'src_ip_fail': SRC IP persist fail; 'src_ip_new_sess_cache': SRC IP new sess (cache); 'src_ip_new_sess_cache_fail': SRC IP new sess fail (c); 'src_ip_new_sess_sel': SRC IP new sess (select); 'src_ip_new_sess_sel_fail': SRC IP new sess fail (s); 'src_ip_hash_pri': SRC IP hash persist(pri); 'src_ip_hash_enqueue': SRC IP hash persist(enQ); 'src_ip_hash_sec': SRC IP hash persist(sec); 'src_ip_hash_fail': SRC IP hash persist fail; 'src_ip_enforce': Enforce higher priority; 'dst_ip': DST IP persist ok; 'dst_ip_enqueue': DST IP persist enqueue; 'dst_ip_fail': DST IP persist fail; 'dst_ip_new_sess_cache': DST IP new sess (cache); 'dst_ip_new_sess_cache_fail': DST IP new sess fail (c); 'dst_ip_new_sess_sel': DST IP new sess (select); 'dst_ip_new_sess_sel_fail': DST IP new sess fail (s); 'dst_ip_hash_pri': DST IP hash persist(pri); 'dst_ip_hash_enqueue': DST IP hash persist(enQ); 'dst_ip_hash_sec': DST IP hash persist(sec); 'dst_ip_hash_fail': DST IP hash persist fail; 'cssl_sid_not_found': Client SSL SID not found; 'cssl_sid_match': Client SSL SID match; 'cssl_sid_not_match': Client SSL SID not match; 'sssl_sid_not_found': Server SSL SID not found; 'sssl_sid_reset': Server SSL SID reset; 'sssl_sid_match': Server SSL SID match; 'sssl_sid_not_match': Server SSL SID not match; 'ssl_sid_persist_ok': SSL SID persist ok; 'ssl_sid_persist_fail': SSL SID persist fail; 'ssl_sid_session_ok': Create SSL SID ok; 'ssl_sid_session_fail': Create SSL SID fail; 'cookie_persist_ok': Cookie persist ok; 'cookie_persist_fail': Cookie persist fail; 'cookie_not_found': Persist cookie not found; 'cookie_pass_thru': Persist cookie Pass-thru; 'cookie_invalid': Invalid persist cookie;

Type: string

Supported Values: all, hash_tbl_trylock_fail, hash_tbl_create_ok, hash_tbl_create_fail, hash_tbl_free, hash_tbl_rst_updown, hash_tbl_rst_adddel, url_hash_pri, url_hash_enqueue, url_hash_sec, url_hash_fail, header_hash_pri, header_hash_enqueue, header_hash_sec, header_hash_fail, src_ip, src_ip_enqueue, src_ip_fail, src_ip_new_sess_cache, src_ip_new_sess_cache_fail, src_ip_new_sess_sel, src_ip_new_sess_sel_fail, src_ip_hash_pri, src_ip_hash_enqueue, src_ip_hash_sec, src_ip_hash_fail, src_ip_enforce, dst_ip, dst_ip_enqueue, dst_ip_fail, dst_ip_new_sess_cache, dst_ip_new_sess_cache_fail, dst_ip_new_sess_sel, dst_ip_new_sess_sel_fail, dst_ip_hash_pri, dst_ip_hash_enqueue, dst_ip_hash_sec, dst_ip_hash_fail, cssl_sid_not_found, cssl_sid_match, cssl_sid_not_match, sssl_sid_not_found, sssl_sid_reset, sssl_sid_match, sssl_sid_not_match, ssl_sid_persist_ok, ssl_sid_persist_fail, ssl_sid_session_ok, ssl_sid_session_fail, cookie_persist_ok, cookie_persist_fail, cookie_not_found, cookie_pass_thru, cookie_invalid

generic-proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

generic-proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Number; 'curr': Current; 'total': Total; 'svrsel_fail': Number of server selection failed; 'no_route': Number of no routes; 'snat_fail': Number of snat failures; 'client_fail': Number of client failures; 'server_fail': Number of server failures; 'no_sess': Number of no sessions; 'user_session': Number of user sessions; 'acr_out': Number of ACRs out; 'acr_in': Number of ACRs in; 'aca_out': Number of ACAs out; 'aca_in': Number of ACAs in; 'cea_out': Number of CEAs out; 'cea_in': Number of CEAs in; 'cer_out': Number of CERs out; 'cer_in': Number of CERs in; 'dwr_out': Number of DWRs out; 'dwr_in': Number of DWRs in; 'dwa_out': Number of DWAs out; 'dwa_in': Number of DWAs in; 'str_out': Number of STRs out; 'str_in': Number of STRs in; 'sta_out': Number of STAs out; 'sta_in': Number of STAs in; 'asr_out': Number of ASRs out; 'asr_in': Number of ASRs in; 'asa_out': Number of ASAs out; 'asa_in': Number of ASAs in; 'other_out': Number of other messages out; 'other_in': Number of other messages in; 'total_http_req_enter_gen': Total number of

HTTP requests enter generic proxy; 'mismatch_fwd_id': Diameter mismatch fwd session id; 'mismatch_rev_id': Diameter mismatch rev session id; 'unkwn_cmd_code': Diameter unkown cmd code; 'no_session_id': Diameter no session id avp; 'no_fwd_tuple': Diameter no fwd tuple matched; 'no_rev_tuple': Diameter no rev tuple matched; 'dcmsg_fwd_in': Diameter cross cpu fwd in; 'dcmsg_fwd_out': Diameter cross cpu fwd out; 'dcmsg_rev_in': Diameter cross cpu rev in; 'dcmsg_rev_out': Diameter cross cpu rev out; 'dcmsg_error': Diameter cross cpu error; 'retry_client_request': Diameter retry client request; 'retry_client_request_fail': Diameter retry client request fail; 'reply_unknown_session_id': Reply with unknown session ID error info; 'ccr_out': Number of CCRs out; 'ccr_in': Number of CCRs in; 'cca_out': Number of CCAs out; 'cca_in': Number of CCAs in; 'ccr_i': Number of CCRs initial; 'ccr_u': Number of CCRs update; 'ccr_t': Number of CCRs terminate; 'cca_t': Number of CCAs terminate; 'terminate_on_cca_t': Diameter terminate on cca_t; 'forward_unknown_session_id': Forward server side message with unknown session id; 'update_latest_server': Update to the latest server that used a session id; 'client_select_fail': Fail to select client; 'close_conn_when_vport_down': Close client conn when virtual port is down; 'invalid_avp': AVP value contains illegal chars; 'reselect_fwd_tuple': Original client tuple does not exist so reselect another one; 'reselect_fwd_tuple_other_cpu': Original client tuple does not exist so reselect another one on other CPUs; 'reselect_rev_tuple': Original server tuple does not exist so reselect another one; 'conn_closed_by_client': Client initiates TCP close/reset; 'conn_closed_by_server': Server initiates TCP close/reset; 'reply_invalid_avp_value': Reply with invalid AVP error info; 'reply_unable_to_deliver': Reply with unable to deliver error info; 'reply_error_info_fail': Fail to reply error info to peer; 'dpr_out': Number of DPRs out; 'dpr_in': Number of DPRs in; 'dpa_out': Number of DPAs out; 'dpa_in': Number of DPAs in;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, client_fail, server_fail, no_sess, user_session, acr_out, acr_in, aca_out, aca_in, cea_out, cea_in, cer_out, cer_in, dwr_out, dwr_in, dwa_out, dwa_in, str_out, str_in, sta_out, sta_in, asr_out, asr_in, asa_out, asa_in, other_out, other_in, total_http_req_enter_gen, mismatch_fwd_id, mismatch_rev_id, unkwn_cmd_code, no_session_id, no_fwd_tuple, no_rev_tuple, dcmsg_fwd_in, dcmsg_fwd_out, dcmsg_rev_in, dcmsg_rev_out, dcmsg_error, retry_client_request, retry_client_request_fail, reply_unknown_session_id, ccr_out, ccr_in, cca_out, cca_in, ccr_i, ccr_u, ccr_t, cca_t, terminate_on_cca_t, forward_unknown_session_id, update_latest_server, client_select_fail, close_conn_when_vport_down, invalid_avp, reselect_fwd_tuple, reselect_fwd_tuple_other_cpu, reselect_rev_tuple, conn_closed_by_client, conn_closed_by_server, reply_invalid_avp_value, reply_unable_to_deliver, reply_error_info_fail, dpr_out, dpr_in, dpa_out, dpa_in, diameter_too_busy_in, diameter_too_busy_out

secure-gaming

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secure-gaming_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'secure_gaming_pass': Secure Gaming passed; 'secure_gaming_drop': Secure Gaming dropped;

Type: string

Supported Values: all, secure_gaming_pass, secure_gaming_drop

http-proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'req': HTTP requests; 'req_succ': HTTP requests(succ); 'noproxy': No proxy error; 'client_rst': Client RST; 'server_rst': Server RST; 'notuple': No tuple error; 'parsereq_fail': Parse req fail; 'svrsel_fail': Server selection fail; 'fwdreq_fail': Fwd req fail; 'fwdreq_fail_buff': Fwd req fail - buff; 'fwdreq_fail_rport': Fwd req fail - rport; 'fwdreq_fail_route': Fwd req fail - route; 'fwdreq_fail_persist': Fwd req fail - persist; 'fwdreq_fail_server': Fwd req fail - server; 'fwdreq_fail_tuple': Fwd req fail -

tuple; ‘fwdreqdata_fail’: some help string; ‘req_retran’: Packets retrans; ‘req_ofo’: Packets ofo; ‘server_resel’: Server reselection; ‘svr_prem_close’: Server premature close; ‘new_svrconn’: Server conn made; ‘snat_fail’: Source NAT failure; ‘tcpoutrst’: Out RSTs; ‘full_proxy’: Full proxy tot; ‘full_proxy_post’: Full proxy POST; ‘full_proxy_pipeline’: Full proxy pipeline; ‘full_proxy_fpga_err’: Full proxy fpga err; ‘req_over_limit’: Request over limit; ‘req_rate_over_limit’: Request rate over limit; ‘l4_switching’: L4 switching; ‘cookie_switching’: Cookie switching; ‘aflex_switching’: aFleX switching; ‘http_policy_switching’: HTTP Policy switching; ‘url_switching’: URL switching; ‘host_switching’: Host switching; ‘lb_switching’: Normal LB switching; ‘l4_switching_ok’: L4 switching (succ); ‘cookie_switching_ok’: Cookie switching (succ); ‘aflex_switching_ok’: aFleX switching (succ); ‘http_policy_switching_ok’: HTTP Policy switching (succ); ‘url_switching_ok’: URL switching (succ); ‘host_switching_ok’: Host switching (succ); ‘lb_switching_ok’: Normal LB switch. (succ); ‘l4_switching_enqueue’: L4 switching (enQ); ‘cookie_switching_enqueue’: Cookie switching (enQ); ‘aflex_switching_enqueue’: aFleX switching (enQ); ‘http_policy_switching_enqueue’: HTTP Policy switching (enQ); ‘url_switching_enqueue’: URL switching (enQ); ‘host_switching_enqueue’: Host switching (enQ); ‘lb_switching_enqueue’: Normal LB switch. (enQ); ‘retry_503’: Retry on 503; ‘aflex_retry’: aFleX http retry; ‘aflex_lb_reselect’: aFleX lb reselect; ‘aflex_lb_reselect_ok’: aFleX lb reselect (succ); ‘client_rst_request’: Client RST - request; ‘client_rst_connecting’: Client RST - connecting; ‘client_rst_connected’: Client RST - connected; ‘client_rst_response’: Client RST - response; ‘server_rst_request’: Server RST - request; ‘server_rst_connecting’: Server RST - connecting; ‘server_rst_connected’: Server RST - connected; ‘server_rst_response’: Server RST - response; ‘invalid_header’: Invalid header; ‘too_many_headers’: Too many headers; ‘line_too_long’: Line too long; ‘header_name_too_long’: Header name too long; ‘wrong_resp_header’: Wrong response header; ‘header_insert’: Header insert; ‘header_delete’: Header delete; ‘insert_client_ip’: Insert client IP; ‘negative_req_remain’: Negative request remain; ‘negative_resp_remain’: Negative response remain; ‘large_cookie’: Large cookies; ‘large_cookie_header’: Large cookie headers; ‘huge_cookie’: Huge cookies; ‘huge_cookie_header’: Huge cookie headers; ‘parse_cookie_fail’: Parse cookie fail; ‘parse_setcookie_fail’: Parse set-cookie fail; ‘asm_cookie_fail’: Assemble cookie fail; ‘asm_cookie_header_fail’: Asm cookie header fail; ‘asm_setcookie_fail’: Assemble set-cookie fail; ‘asm_setcookie_header_fail’: Asm set-cookie hdr fail; ‘client_req_unexp_flag’: Client req unexp flags; ‘connecting_fin’: Connecting FIN; ‘connecting_fin_retrans’: Connecting FIN retran; ‘connecting_fin_ofo’: Connecting FIN ofo; ‘connecting_rst’: Connecting RST; ‘connecting_rst_retrans’: Connecting RST retran; ‘connecting_rst_ofo’: Connecting RST ofo; ‘connecting_ack’: Connecting ACK; ‘pkts_ofo’: Packets ofo; ‘pkts_retrans’: Packets retrans; ‘pkts_retrans_ack_finwait’: retrans ACK FWAIT; ‘pkts_retrans_fin’: retrans FIN; ‘pkts_retrans_rst’: retrans RST; ‘pkts_retrans_push’: retrans PSH; ‘stale_sess’: Stale sess; ‘server_resel_failed’: Server re-select failed; ‘compression_before’: Tot data before compress; ‘compression_after’: Tot data after compress; ‘response_1xx’: Status code 1XX; ‘response_100’: Status code 100; ‘response_101’: Status code 101; ‘response_102’: Status code 102; ‘response_2xx’: Status code 2XX; ‘response_200’: Status code 200; ‘response_201’: Status code 201; ‘response_202’: Status code 202; ‘response_203’: Status code 203; ‘response_204’: Status code 204; ‘response_205’: Status code 205; ‘response_206’: Status code 206; ‘response_207’: Status code 207; ‘response_3xx’: Status code 3XX; ‘response_300’: Status code 300; ‘response_301’: Status code 301; ‘response_302’: Status code 302; ‘response_303’: Status code 303; ‘response_304’: Status code 304; ‘response_305’: Status code 305; ‘response_306’: Status code 306; ‘response_307’: Status code 307; ‘response_4xx’: Status code 4XX; ‘response_400’: Status code 400; ‘response_401’: Status code 401; ‘response_402’: Status code 402; ‘response_403’: Status code 403; ‘response_404’: Status code 404; ‘response_405’: Status code 405; ‘response_406’: Status code 406; ‘response_407’: Status code 407; ‘response_408’: Status code 408; ‘response_409’: Status code 409; ‘response_410’: Status code 410; ‘response_411’: Status code 411; ‘response_412’: Status code 412; ‘re-

sponse_413': Status code 413; 'response_414': Status code 414; 'response_415': Status code 415; 'response_416': Status code 416; 'response_417': Status code 417; 'response_418': Status code 418; 'response_422': Status code 422; 'response_423': Status code 423; 'response_424': Status code 424; 'response_425': Status code 425; 'response_426': Status code 426; 'response_449': Status code 449; 'response_450': Status code 450; 'response_5xx': Status code 5XX; 'response_500': Status code 500; 'response_501': Status code 501; 'response_502': Status code 502; 'response_503': Status code 503; 'response_504': Status code 504; 'response_505': Status code 505; 'response_506': Status code 506; 'response_507': Status code 507; 'response_508': Status code 508; 'response_509': Status code 509; 'response_510': Status code 510; 'response_6xx': Status code 6XX; 'response_unknown': Status code unknown; 'req_http10': Request 1.0; 'req_http11': Request 1.1; 'response_http10': Resp 1.0; 'response_http11': Resp 1.1; 'req_get': Method GET; 'req_head': Method HEAD; 'req_put': Method PUT; 'req_post': Method POST; 'req_trace': Method TRACE; 'req_options': Method OPTIONS; 'req_connect': Method CONNECT; 'req_delete': Method DELETE; 'req_unknown': Method UNKNOWN; 'req_content_len': Req content len; 'rsp_content_len': Resp content len; 'rsp_chunk': Resp chunk encoding; 'req_chunk': Req chunk encoding; 'compress_rsp': Compress req; 'compress_del_accept_enc': Compress del accept enc; 'compress_resp_already_compressed': Resp already compressed; 'compress_content_type_excluded': Compress cont type excl; 'compress_no_content_type': Compress no cont type; 'compress_resp_lt_min': Compress resp less than min; 'compress_resp_no_cl_or_ce': Compress resp no CL/CE; 'compress_ratio_too_high': Compress ratio too high; 'cache_rsp': HTTP req (cache succ); 'close_on_ddos': Close on DDoS; 'req_http10_keepalive': 1.0 Keepalive; 'req_sz_1k': Req less than equal to 1K; 'req_sz_2k': Req less than equal to 2K;

Type: string

Supported Values: all, num, curr_proxy, total_proxy, req, req_succ, noproxy, client_rst, server_rst, notuple, parsereq_fail, svrsel_fail, fwdreq_fail, fwdreq_fail_buff, fwdreq_fail_rport, fwdreq_fail_route, fwdreq_fail_persist, fwdreq_fail_server, fwdreq_fail_tuple, fwdreqdata_fail, req_retran, req_ofo, server_resel, svr_prem_close, new_svrconn, snat_fail, tcpoutrst, full_proxy, full_proxy_post, full_proxy_pipeline, full_proxy_fpga_err, req_over_limit, req_rate_over_limit, l4_switching, cookie_switching, aflex_switching, http_policy_switching, url_switching, host_switching, lb_switching, l4_switching_ok, cookie_switching_ok, aflex_switching_ok, http_policy_switching_ok, url_switching_ok, host_switching_ok, lb_switching_ok, l4_switching_enqueue, cookie_switching_enqueue, aflex_switching_enqueue, http_policy_switching_enqueue, url_switching_enqueue, host_switching_enqueue, lb_switching_enqueue, retry_503, aflex_retry, aflex_lb_reselect, aflex_lb_reselect_ok, client_rst_request, client_rst_connecting, client_rst_connected, client_rst_response, server_rst_request, server_rst_connecting, server_rst_connected, server_rst_response, invalid_header, too_many_headers, line_too_long, header_name_too_long, wrong_resp_header, header_insert, header_delete, insert_client_ip, negative_req_remain, negative_resp_remain, large_cookie, large_cookie_header, huge_cookie, huge_cookie_header, parse_cookie_fail, parse_setcookie_fail, asm_cookie_fail, asm_cookie_header_fail, asm_setcookie_fail, asm_setcookie_header_fail, client_req_unexp_flag, connecting_fin, connecting_fin_retrans, connecting_fin_ofo, connecting_rst, connecting_rst_retrans, connecting_rst_ofo, connecting_ack, pkts_ofo, pkts_retrans, pkts_retrans_ack_finwait, pkts_retrans_fin, pkts_retrans_rst, pkts_retrans_push, stale_sess, server_resel_failed, compression_before, compression_after, response_1xx, response_100, response_101, response_102, response_2xx, response_200, response_201, response_202, response_203, response_204, response_205, response_206, response_207, response_3xx, response_300, response_301, response_302, response_303, response_304, response_305, response_306, response_307, response_4xx, response_400, response_401, response_402, response_403, response_404, response_405, response_406, response_407, response_408, response_409, response_410, response_411, response_412, response_413,

response_414, response_415, response_416, response_417, response_418, response_422, response_423, response_424, response_425, response_426, response_449, response_450, response_5xx, response_500, response_501, response_502, response_503, response_504, response_505, response_506, response_507, response_508, response_509, response_510, response_6xx, response_unknown, req_http10, req_http11, response_http10, response_http11, req_get, req_head, req_put, req_post, req_trace, req_options, req_connect, req_delete, req_unknown, req_content_len, rsp_content_len, rsp_chunk, req_chunk, compress_rsp, compress_del_accept_enc, compress_resp_already_compressed, compress_content_type_excluded, compress_no_content_type, compress_resp_lt_min, compress_resp_no_cl_or_ce, compress_ratio_too_high, cache_rsp, close_on_ddos, req_http10_keepalive, req_sz_1k, req_sz_2k, req_sz_4k

counters2

Description 'req_sz_4k': Req less than equal to 4K; 'req_sz_8k': Req less than equal to 8K; 'req_sz_16k': Req less than equal to 16K; 'req_sz_32k': Req less than equal to 32K; 'req_sz_64k': Req less than equal to 64K; 'req_sz_256k': Req less than equal to 256K; 'req_sz_gt_256k': Req greater than 256K; 'rsp_sz_1k': Resp less than equal to 1K; 'rsp_sz_2k': Resp less than equal to 2K; 'rsp_sz_4k': Resp less than equal to 4K; 'rsp_sz_8k': Resp less than equal to 8K; 'rsp_sz_16k': Resp less than equal to 16K; 'rsp_sz_32k': Resp less than equal to 32K; 'rsp_sz_64k': Resp less than equal to 64K; 'rsp_sz_256k': Resp less than equal to 256K; 'rsp_sz_gt_256k': Resp greater than 256K; 'chunk_sz_512': Chunk less than equal to 512; 'chunk_sz_1k': Chunk less than equal to 1K; 'chunk_sz_2k': Chunk less than equal to 2K; 'chunk_sz_4k': Chunk less than equal to 4K; 'chunk_sz_gt_4k': Chunk greater than 4K; 'pconn_connecting': pconn connecting; 'pconn_connected': pconn connected; 'pconn_connecting_failed': pconn conn failed; 'chunk_bad': Bad Chunk; 'req_10u': Rsp time less than 10u; 'req_20u': Rsp time less than 20u; 'req_50u': Rsp time less than 50u; 'req_100u': Rsp time less than 100u; 'req_200u': Rsp time less than 200u; 'req_500u': Rsp time less than 500u; 'req_1m': Rsp time less than 1m; 'req_2m': Rsp time less than 2m; 'req_5m': Rsp time less than 5m; 'req_10m': Rsp time less than 10m; 'req_20m': Rsp time less than 20m; 'req_50m': Rsp time less than 50m; 'req_100m': Rsp time less than 100m; 'req_200m': Rsp time less than 200m; 'req_500m': Rsp time less than 500m; 'req_1s': Rsp time less than 1s; 'req_2s': Rsp time less than 2s; 'req_5s': Rsp time less than 5s; 'req_over_5s': Rsp time greater than equal to 5s; 'insert_client_port': Insert client Port; 'req_track': Method TRACK; 'connect_req': Total HTTP CONNECT requests; 'req_enter_ssli': Total HTTP requests enter SSLi; 'non_http_bypass': Non-HTTP bypass; 'decompression_before': Tot data before decompress; 'decompression_after': Tot data after decompress; 'req_http2': Request 2.0; 'response_http2': Resp 2.0; 'req_timeout_retry': Retry on Req Timeout; 'req_timeout_close': Close on Req Timeout; 'doh_req': DoH Requests; 'doh_req_get': DoH GET Requests; 'doh_req_post': DoH POST Requests; 'doh_non_doh_req': DoH non DoH Requests; 'doh_non_doh_req_get': DoH non DoH GET Requests; 'doh_non_doh_req_post': DoH non DoH POST Requests; 'doh_resp': DoH Responses; 'doh_tc_resp': DoH TC Responses; 'doh_udp_dns_req': DoH UDP DNS Requests; 'doh_udp_dns_resp': DoH UDP DNS Responses; 'doh_tcp_dns_req': DoH TCP DNS Requests; 'doh_tcp_dns_resp': DoH TCP DNS Responses; 'doh_req_send_failed': DoH Request Send Failed; 'doh_resp_send_failed': DoH Response Send Failed; 'doh_malloc_fail': DoH Memory alloc failed; 'doh_req_udp_retry': DoH UDP Retry; 'doh_req_udp_retry_fail': DoH UDP Retry failed; 'doh_req_tcp_retry': DoH TCP Retry; 'doh_req_tcp_retry_fail': DoH TCP Retry failed; 'doh_snat_failed': DoH Source NAT failed; 'doh_path_not_found': DoH URI Path not found; 'doh_get_dns_arg_failed': DoH GET dns arg not found in uri; 'doh_get_base64_decode_failed': DoH GET base64url decode failed; 'doh_post_content_type_mismatch': DoH POST content-type not found; 'doh_post_payload_not_found': DoH POST payload not found; 'doh_post_payload_extract_failed': DoH POST payload extract failed; 'doh_non_doh_method': DoH Non DoH HTTP request method rcvd; 'doh_tcp_send_failed':

DoH serv TCP DNS send failed; 'doh_udp_send_failed': DoH serv UDP DNS send failed; 'doh_query_time_out': DoH serv Query timed out; 'doh_dns_query_type_a': DoH Query type A; 'doh_dns_query_type_aaaa': DoH Query type AAAA; 'doh_dns_query_type_ns': DoH Query type NS; 'doh_dns_query_type_cname': DoH Query type CNAME; 'doh_dns_query_type_any': DoH Query type ANY; 'doh_dns_query_type_srv': DoH Query type SRV; 'doh_dns_query_type_mx': DoH Query type MX; 'doh_dns_query_type_soa': DoH Query type SOA; 'doh_dns_query_type_others': DoH Query type Others; 'doh_resp_setup_failed': DoH Response setup failed; 'doh_resp_header_alloc_failed': DoH Resp hdr alloc failed; 'doh_resp_que_failed': DoH Resp queue failed; 'doh_resp_udp_frags': DoH UDP Frags Rcvd; 'doh_resp_tcp_frags': DoH TCP Frags Rcvd; 'doh_serv_sel_failed': DoH Server Select Failed; 'doh_retry_w_tcp': DoH Retry with TCP SG; 'doh_get_uri_too_long': DoH GET URI too long; 'doh_post_payload_too_large': DoH POST Payload too large; 'doh_dns_malformed_query': DoH DNS Malformed Query; 'doh_dns_resp_rcode_err_format': DoH DNS Response rcode ERR_FORMAT; 'doh_dns_resp_rcode_err_server': DoH DNS Response rcode ERR_SERVER; 'doh_dns_resp_rcode_err_name': DoH DNS Response rcode ERR_NAME; 'doh_dns_resp_rcode_err_type': DoH DNS Response rcode ERR_TYPE; 'doh_dns_resp_rcode_refuse': DoH DNS Response rcode REFUSE; 'doh_dns_resp_rcode_yxdomain': DoH DNS Response rcode YXDOMAIN; 'doh_dns_resp_rcode_yxrrset': DoH DNS Response rcode YXRRSET; 'doh_dns_resp_rcode_nxrrset': DoH DNS Response rcode NXRRSET; 'doh_dns_resp_rcode_notauth': DoH DNS Response rcode NOTAUTH; 'doh_dns_resp_rcode_notzone': DoH DNS Response rcode NOTZONE; 'doh_dns_resp_rcode_other': DoH DNS Response rcode OTHER; 'compression_before_br': Tot data before brotli compress; 'compression_after_br': Tot data after brotli compress; 'compression_before_total': Tot data before compress; 'compression_after_total': Tot data after compress; 'decompression_before_br': Tot data before brotli decompress; 'decompression_after_br': Tot data after brotli decompress; 'decompression_before_total': Tot data before decompress; 'decompression_after_total': Tot data after decompress; 'compress_rsp_br': Compress req with brotli; 'compress_rsp_total': Compress req; 'h2up_content_length_alias': HTTP2 content length alias; 'malformed_h2up_header_value': Malformed HTTP2 header value; 'malformed_h2up_scheme_value': Malformed HTTP2 scheme value; 'h2up_with_transfer_encoding': HTTP2 with transfer-encoding header; 'multiple_content_length': Multiple content-length headers; 'multiple_transfer_encoding': Multiple transfer-encoding headers; 'transfer_encoding_and_content_length': Transfer-encoding header with Content-Length header; 'get_and_payload': GET method with content-length header or transfer-encoding header; 'h2up_with_host_and_auth': HTTP2 with host header and authority header; 'req_http3': Request 3.0; 'response_http3': Resp 3.0; 'header_filter_rule_hit': Hit header filter rule; 'current_stream': Current Stream; 'stream_create': Stream Created; 'stream_free': Stream Free; 'end_stream_rcvd': End Stream Received; 'end_stream_sent': End Stream Sent; 'http1_client_idle_timeout': HTTP1 client idle timeout; 'http2_client_idle_timeout': HTTP2 client idle timeout;

Type: string

Supported Values: req_sz_8k, req_sz_16k, req_sz_32k, req_sz_64k, req_sz_256k, req_sz_gt_256k, rsp_sz_1k, rsp_sz_2k, rsp_sz_4k, rsp_sz_8k, rsp_sz_16k, rsp_sz_32k, rsp_sz_64k, rsp_sz_256k, rsp_sz_gt_256k, chunk_sz_512, chunk_sz_1k, chunk_sz_2k, chunk_sz_4k, chunk_sz_gt_4k, pconn_connecting, pconn_connected, pconn_connecting_failed, chunk_bad, req_10u, req_20u, req_50u, req_100u, req_200u, req_500u, req_1m, req_2m, req_5m, req_10m, req_20m, req_50m, req_100m, req_200m, req_500m, req_1s, req_2s, req_5s, req_over_5s, insert_client_port, req_track, connect_req, req_enter_ssli, non_http_bypass, decompression_before, decompression_after, req_http2, response_http2, req_timeout_retry, req_timeout_close, doh_req, doh_req_get, doh_req_post, doh_non_doh_req,

doh_non_doh_req_get, doh_non_doh_req_post, doh_resp, doh_tc_resp, doh_udp_dns_req, doh_udp_dns_resp, doh_tcp_dns_req, doh_tcp_dns_resp, doh_req_send_failed, doh_resp_send_failed, doh_malloc_fail, doh_req_udp_retry, doh_req_udp_retry_fail, doh_req_tcp_retry, doh_req_tcp_retry_fail, doh_snat_failed, doh_path_not_found, doh_get_dns_arg_failed, doh_get_base64_decode_failed, doh_post_content_type_mismatch, doh_post_payload_not_found, doh_post_payload_extract_failed, doh_non_doh_method, doh_tcp_send_failed, doh_udp_send_failed, doh_query_time_out, doh_dns_query_type_a, doh_dns_query_type_aaaa, doh_dns_query_type_ns, doh_dns_query_type_cname, doh_dns_query_type_any, doh_dns_query_type_srv, doh_dns_query_type_mx, doh_dns_query_type_soa, doh_dns_query_type_others, doh_resp_setup_failed, doh_resp_header_alloc_failed, doh_resp_que_failed, doh_resp_udp_frags, doh_resp_tcp_frags, doh_serv_sel_failed, doh_retry_w_tcp, doh_get_uri_too_long, doh_post_payload_too_large, doh_dns_malformed_query, doh_dns_resp_rcode_err_format, doh_dns_resp_rcode_err_server, doh_dns_resp_rcode_err_name, doh_dns_resp_rcode_err_type, doh_dns_resp_rcode_refuse, doh_dns_resp_rcode_yxdomain, doh_dns_resp_rcode_yxrrset, doh_dns_resp_rcode_nxrrset, doh_dns_resp_rcode_notauth, doh_dns_resp_rcode_notzone, doh_dns_resp_rcode_other, compression_before_br, compression_after_br, compression_before_total, compression_after_total, decompression_before_br, decompression_after_br, decompression_before_total, decompression_after_total, compress_rsp_br, compress_rsp_total, h2up_content_length_alias, malformed_h2up_header_value, malformed_h2up_scheme_value, h2up_with_transfer_encoding, multiple_content_length, multiple_transfer_encoding, transfer_encoding_and_content_length, get_and_payload, h2up_with_host_and_auth, req_http3, response_http3, header_filter_rule_hit, http1_client_idle_timeout, http2_client_idle_timeout, http_disallowed_methods, http_allowed_methods, upgrade_to_new_proxy, del_h2c_header, req_http11_new_proxy, transaction_limited

aflow

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aflow_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pause_conn': Pause connection; 'pause_conn_fail': Pause connection fail; 'resume_conn': Resume connection; 'event_resume_conn': Resume conn by event; 'timer_resume_conn': Resume conn by timer; 'try_to_resume_conn': Resume conn by trying; 'retry_resume_conn': Resume conn by retry; 'error_resume_conn': Resume conn by error; 'open_new_server_conn': Open new server conn; 'reuse_server_idle_conn': Reuse idle server conn; 'inc_aflow_limit': Inc aFlow limit;

Type: string

Supported Values: all, pause_conn, pause_conn_fail, resume_conn, event_resume_conn, timer_resume_conn, try_to_resume_conn, retry_resume_conn, error_resume_conn, open_new_server_conn, reuse_server_idle_conn, inc_aflow_limit

icap

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icap_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'reqmod_request': Reqmod Request Stats; 'respmod_request': Respmod Request Stats; 'reqmod_request_after_100': Reqmod Request Sent After 100 Cont Stats; 'respmod_request_after_100': Respmod Request Sent After 100 Cont Stats; 'reqmod_response': Reqmod Response Stats; 'respmod_response': Respmod Response Stats; 'reqmod_response_after_100': Reqmod Response After 100 Cont Stats; 'respmod_response_after_100': Respmod Response After 100 Cont Stats; 'chunk_no_allow_204':

Chunk so no Allow 204 Stats; 'len_exceed_no_allow_204': Length Exceeded so no Allow 204 Stats; 'result_continue': Result Continue Stats; 'result_icap_response': Result ICAP Response Stats; 'result_100_continue': Result 100 Continue Stats; 'result_other': Result Other Stats; 'status_2xx': Status 2xx Stats; 'status_200': Status 200 Stats; 'status_201': Status 201 Stats; 'status_202': Status 202 Stats; 'status_203': Status 203 Stats; 'status_204': Status 204 Stats; 'status_205': Status 205 Stats; 'status_206': Status 206 Stats; 'status_207': Status 207 Stats; 'status_1xx': Status 1xx Stats; 'status_100': Status 100 Stats; 'status_101': Status 101 Stats; 'status_102': Status 102 Stats; 'status_3xx': Status 3xx Stats; 'status_300': Status 300 Stats; 'status_301': Status 301 Stats; 'status_302': Status 302 Stats; 'status_303': Status 303 Stats; 'status_304': Status 304 Stats; 'status_305': Status 305 Stats; 'status_306': Status 306 Stats; 'status_307': Status 307 Stats; 'status_4xx': Status 4xx Stats; 'status_400': Status 400 Stats; 'status_401': Status 401 Stats; 'status_402': Status 402 Stats; 'status_403': Status 403 Stats; 'status_404': Status 404 Stats; 'status_405': Status 405 Stats; 'status_406': Status 406 Stats; 'status_407': Status 407 Stats; 'status_408': Status 408 Stats; 'status_409': Status 409 Stats; 'status_410': Status 410 Stats; 'status_411': Status 411 Stats; 'status_412': Status 412 Stats; 'status_413': Status 413 Stats; 'status_414': Status 414 Stats; 'status_415': Status 415 Stats; 'status_416': Status 416 Stats; 'status_417': Status 417 Stats; 'status_418': Status 418 Stats; 'status_419': Status 419 Stats; 'status_420': Status 420 Stats; 'status_422': Status 422 Stats; 'status_423': Status 423 Stats; 'status_424': Status 424 Stats; 'status_425': Status 425 Stats; 'status_426': Status 426 Stats; 'status_449': Status 449 Stats; 'status_450': Status 450 Stats; 'status_5xx': Status 5xx Stats; 'status_500': Status 500 Stats; 'status_501': Status 501 Stats; 'status_502': Status 502 Stats; 'status_503': Status 503 Stats; 'status_504': Status 504 Stats; 'status_505': Status 505 Stats; 'status_506': Status 506 Stats; 'status_507': Status 507 Stats; 'status_508': Status 508 Stats; 'status_509': Status 509 Stats; 'status_510': Status 510 Stats; 'status_6xx': Status 6xx Stats; 'status_unknown': Status Unknown Stats; 'send_option_req': Send Option Req Stats; 'app_serv_conn_no_pcb_err': App Server Conn no ES PCB Err Stats; 'app_serv_conn_err': App Server Conn Err Stats; 'chunk1_hdr_err': Chunk Hdr Err1 Stats; 'chunk2_hdr_err': Chunk Hdr Err2 Stats; 'chunk_bad_trail_err': Chunk Bad Trail Err Stats; 'no_payload_next_buff_err': No Payload In Next Buff Err Stats; 'no_payload_buff_err': No Payload Buff Err Stats; 'resp_hdr_incomplete_err': Resp Hdr Incomplete Err Stats; 'serv_sel_fail_err': Server Select Fail Err Stats; 'start_icap_conn_fail_err': Start ICAP conn fail Stats; 'prep_req_fail_err': Prepare ICAP req fail Err Stats; 'icap_ver_err': ICAP Ver Err Stats; 'icap_line_err': ICAP Line Err Stats; 'encap_hdr_incomplete_err': Encap HDR Incomplete Err Stats; 'no_icap_resp_err': No ICAP Resp Err Stats; 'resp_line_read_err': Resp Line Read Err Stats; 'resp_line_parse_err': Resp Line Parse Err Stats; 'resp_hdr_err': Resp Hdr Err Stats; 'req_hdr_incomplete_err': Req Hdr Incomplete Err Stats; 'no_status_code_err': No Status Code Err Stats; 'http_resp_line_read_err': HTTP Response Line Read Err Stats; 'http_resp_line_parse_err': HTTP Response Line Parse Err Stats; 'http_resp_hdr_err': HTTP Resp Hdr Err Stats; 'recv_option_resp': Send Option Req Stats;

Type: string

Supported Values: all, reqmod_request, respmod_request, reqmod_request_after_100, respmod_request_after_100, reqmod_response, respmod_response, reqmod_response_after_100, respmod_response_after_100, chunk_no_allow_204, len_exceed_no_allow_204, result_continue, result_icap_response, result_100_continue, result_other, status_2xx, status_200, status_201, status_202, status_203, status_204, status_205, status_206, status_207, status_1xx, status_100, status_101, status_102, status_3xx, status_300, status_301, status_302, status_303, status_304, status_305, status_306, status_307, status_4xx, status_400, status_401, status_402, status_403, status_404, status_405, status_406, status_407, status_408, status_409, status_410, status_411, status_412, status_413, status_414, status_415, status_416, status_417, status_418, status_419, status_420, status_422, status_423, status_424, status_425, status_426, status_449, status_450, status_5xx, status_500, status_501, status_502, status_503, status_504, status_505, status_506, status_507, status_508, status_509, status_510, status_6xx, status_unknown, send_option_req, app_serv_conn_no_pcb_err, app_serv_conn_err,

chunk1_hdr_err, chunk2_hdr_err, chunk_bad_trail_err, no_payload_next_buff_err, no_payload_buff_err, resp_hdr_incomplete_err, serv_sel_fail_err, start_icap_conn_fail_err, prep_req_fail_err, icap_ver_err, icap_line_err, encap_hdr_incomplete_err, no_icap_resp_err, resp_line_read_err, resp_line_parse_err, resp_hdr_err, req_hdr_incomplete_err, no_status_code_err, http_resp_line_read_err, http_resp_line_parse_err, http_resp_hdr_err, recv_option_resp, http_connect_reqmod_request

ssl

Specification	Value
Type	*object*

sni-automap-attributes

Description: sni-automap-attributes is a **JSON Block**. Please see below for *ssl_sni-automap-attributes*

Type: Object

Reference Object: */axapi/v3/slb/ssl/sni-automap-attributes*

ssl_sni-automap-attributes

Specification	Value
Type	*object*

sni-delete-factor

Description Contexts are deleted in groups of this value. Default is 50

Type: number

Range: 1-10000

Default: 50

sni-lower-limit

Description Lower limit for free SNI contexts count. Default is 500

Type: number

Range: 1-65536

Default: 500

sni-upper-limit

Description Upper limit for free SNI contexts count. Default is 2000

Type: number

Range: 1-65536

Default: 2000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-data

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-data_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_num': Total Data Sessions; 'port_out_of_range': Drop Data Port out of range;

Type: string

Supported Values: all, sessions_num, port_out_of_range

sport-rate-limit

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sport-rate-limit_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'alloc_sport': Alloc'd src port entry; 'alloc_sportip': Alloc'd src port-ip entry; 'freed_sport': Freed src port entry; 'freed_sportip': Freed src port-ip entry; 'total_drop': Total rate exceed drop; 'total_reset': Total rate exceed reset; 'total_log': Total log sent;

Type: string

Supported Values: all, alloc_sport, alloc_sportip, freed_sport, freed_sportip, total_drop, total_reset, total_log

ssl-counters

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-forward-proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-forward-proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cert_create': Certificates created; 'cert_expr': Certificates expired; 'cert_hit': Certificate cache hits; 'cert_miss': Certificate cache miss; 'conn_bypass': Connections bypassed; 'conn_inspect': Connections inspected; 'bypass-failsafe-ssl-sessions': Bypass Failsafe SSL sessions; 'bypass-sni-sessions': Bypass SNI sessions; 'bypass-client-auth-sessions': Bypass Client Auth sessions; 'failed-in-ssl-handshakes': Failed in SSL handshakes; 'failed-in-crypto-operations': Failed in crypto operations; 'failed-in-tcp': Failed in TCP; 'failed-in-certificate-verification': Failed in Certificate verification; 'failed-in-certificate-signing': Failed in Certificate signing; 'invalid-ocsp-stapling-response': Invalid OCSP Stapling Response; 'revoked-ocsp-response': Revoked OCSP Response; 'unsupported-ssl-version': Unsupported SSL version; 'certificates-in-cache': Certificates in cache; 'connections-failed': Connections failed; 'aflex-bypass': Bypass triggered by aFleX; 'bypass-cert-subject-sessions': Bypass Cert Subject sessions; 'bypass-cert-issuer-sessions': Bypass Cert issuer sessions; 'bypass-cert-san-sessions': Bypass Cert SAN sessions; 'bypass-no-sni-sessions': Bypass NO SNI sessions; 'reset-no-sni-sessions': Reset No SNI sessions; 'bypass-esni-sessions': Bypass ESNI sessions; 'drop-esni-sessions': Drop ESNI sessions; 'bypass-username-sessions': Bypass Username sessions; 'bypass-ad-group-sessions': Bypass AD-group sessions; 'tot_conn_in_buff': Total buffered async connections; 'curr_conn_in_buff': Current buffered async connections; 'async_conn_timeout': SSLi Async connections failures due to timeout; 'async_conn_limit_drop': SSLi Async connections failures due to limit; 'cert_in_cache': Certificates in cache used by HC SSLi App; 'bypass-client-ip-sessions': Bypass Client IP sessions; 'bypass-server-ip-sessions': Bypass Server IP sessions;

Type: string

Supported Values: all, cert_create, cert_expr, cert_hit, cert_miss, conn_bypass, conn_inspect, bypass-failsafe-ssl-sessions, bypass-sni-sessions, bypass-client-auth-sessions, failed-in-ssl-handshakes, failed-in-crypto-operations, failed-in-tcp, failed-in-certificate-verification, failed-in-certificate-signing, invalid-ocsp-stapling-response, revoked-ocsp-response, unsupported-ssl-version, certificates-in-cache, connections-failed, aflex-bypass, bypass-cert-subject-sessions, bypass-cert-issuer-sessions, bypass-cert-san-sessions, bypass-no-sni-sessions, reset-no-sni-sessions, bypass-esni-sessions, drop-esni-sessions, bypass-username-sessions, bypass-ad-group-sessions, tot_conn_in_buff, curr_conn_in_buff, async_conn_timeout, async_conn_limit_drop, cert_in_cache, bypass-client-ip-sessions, bypass-server-ip-sessions

server-group-list

Specification	Value
Type	*list*
Block object keys	

member-list

Type: List

Reference Object: */axapi/v3/slb/server-group/{name}/member/{name}*

name

Description server-group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-group-list_member-list

Specification	Value
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-group-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all;

Type: string

Supported Values: all

health-down-reason

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'intcp': TCP received; 'synreceived': TCP SYN received; 'tcp_fwd_last_ack': L4 rcv fwd last ACK; 'tcp_rev_last_ack': L4 rcv rev last ACK; 'tcp_rev_fin': L4 rcv rev FIN; 'tcp_fwd_fin': L4 rcv fwd FIN; 'tcp_fwd_ackfin': L4 rcv fwd FIN|ACK; 'inudp': UDP received; 'syncookiessent': TCP SYN cookie snt; 'syncookiessent_ts': TCP SYN cookie snt ts; 'syncookiessentfailed': TCP SYN cookie snt fail; 'outrst': TCP out RST; 'outrst_nosyn': TCP out RST no SYN; 'outrst_broker': TCP out RST L4 proxy; 'outrst_ack_attack': TCP out RST ACK attack; 'outrst_aflex': TCP out RST aFleX; 'outrst_stale_sess': TCP out RST stale sess; 'syn_stale_sess': SYN stale sess drop; 'outrst_tcpproxy': TCP out RST TCP proxy; 'svrselfail': Server sel failure; 'noroute': IP out noroute; 'snat_fail': Source NAT failure; 'snat_no_fwd_route': Source NAT no fwd route; 'snat_no_rev_route': Source NAT no rev route; 'snat_icmp_error_process': Source NAT ICMP Process; 'snat_icmp_no_match': Source NAT ICMP No Match; 'smart_nat_id_mismatch': Auto NAT id mismatch; 'syncookiescheckfailed': TCP SYN cookie failed; 'novport_drop': NAT no session drops; 'no_vport_drop': vport not matching drops; 'nosyn_drop': No SYN pkt drops; 'nosyn_drop_fin': No SYN pkt drops - FIN; 'nosyn_drop_rst': No SYN pkt drops - RST; 'nosyn_drop_ack': No SYN pkt drops - ACK; 'connlimit_drop': Conn Limit drops; 'connlimit_reset': Conn Limit resets; 'conn_rate_limit_drop': Conn rate limit drops; 'conn_rate_limit_reset': Conn rate limit resets; 'proxy_nosock_drop': Proxy no sock drops; 'drop_aflex': aFleX drops; 'sess_aged_out': Session aged out; 'tcp_sess_aged_out': TCP Session aged out; 'udp_sess_aged_out': UDP Session aged out; 'other_sess_aged_out': Other Session aged out; 'tcp_no_slb': TCP no SLB; 'udp_no_slb': UDP no SLB; 'throttle_syn': SYN Throttle; 'drop_gslb': Drop GSLB; 'inband_hm_retry': Inband HM retry; 'inband_hm_reassign': Inband HM reassign; 'auto_reassign': Auto-reselect server; 'fast_aging_set': Fast aging set; 'fast_aging_reset': Fast aging reset; 'dns_policy_drop': DNS Policy Drop; 'tcp_invalid_drop': TCP invalid drop; 'anomaly_out_seq': Anomaly out of sequence; 'anomaly_zero_win': Anomaly zero window; 'anomaly_bad_content': Anomaly bad content; 'anomaly_pbslb_drop': Anomaly pbslb drop; 'no_resourse_drop': No resource drop; 'reset_unknown_conn': Reset unknown conn; 'reset_l7_on_failover': RST L7 on failover; 'ignore_msl': ignore msl; 'l2_dsr': L2 DSR received; 'l3_dsr': L3 DSR received; 'port_preserve_attempt': NAT Port Preserve Try; 'port_preserve_succ': NAT Port Preserve Succ; 'tcpsyndata_drop': TCP SYN With Data Drop; 'tcpotherflags_drop': TCP SYN Other Flags Drop; 'bw_rate_limit_exceed': BW-Limit Exceed drop; 'bw_watermark_drop': BW-Watermark drop; 'l4_cps_exceed': L4 CPS exceed drop; 'nat_cps_exceed': NAT CPS exceed drop; 'l7_cps_exceed': L7 CPS exceed drop; 'ssl_cps_exceed': SSL CPS exceed drop; 'ssl_tpt_exceed': SSL TPT exceed drop; 'ssl_watermark_drop': SSL TPT-Watermark drop; 'concurrent_conn_exceed':

L3V Conn Limit Drop; 'svr_syn_handshake_fail': L4 server handshake fail; 'stateless_conn_timeout': L4 stateless Conn TO; 'tcp_ax_rexmit_syn': L4 AX re-xmit SYN; 'tcp_syn_rcv_ack': L4 rcv ACK on SYN; 'tcp_syn_rcv_rst': L4 rcv RST on SYN; 'tcp_sess_noest_aged_out': TCP no-Est Sess aged out; 'tcp_sess_noest_csyn_rcv_aged_out': no-Est CSYN rcv aged out; 'tcp_sess_noest_ssyn_xmit_aged_out': no-Est SSYN snt aged out; 'tcp_rexmit_syn': L4 rcv rexmit SYN; 'tcp_rexmit_syn_delq': L4 rcv rexmit SYN (delq); 'tcp_rexmit_synack': L4 rcv rexmit SYN|ACK; 'tcp_rexmit_synack_delq': L4 rcv rexmit SYN|ACK DQ; 'tcp_fwd_fin_dup': L4 rcv fwd FIN dup; 'tcp_rev_fin_dup': L4 rcv rev FIN dup; 'tcp_rev_ackfin': L4 rcv rev FIN|ACK; 'tcp_fwd_rst': L4 rcv fwd RST; 'tcp_rev_rst': L4 rcv rev RST; 'udp_req_oneplus_no_resp': L4 UDP reqs no rsp; 'udp_req_one_oneplus_resp': L4 UDP req rsps; 'udp_req_resp_notmatch': L4 UDP req/rsp not match; 'udp_req_more_resp': L4 UDP req greater than rsps; 'udp_resp_more_req': L4 UDP rsps greater than reqs; 'udp_req_oneplus': L4 UDP reqs; 'udp_resp_oneplus': L4 UDP rsps; 'out_seq_ack_drop': Out of sequence ACK drop; 'tcp_est': L4 TCP Established; 'synattack': L4 SYN attack; 'syn_rate': TCP SYN rate per sec; 'syncookie_buff_drop': TCP SYN cookie buff drop; 'syncookie_buff_queue': TCP SYN cookie buff queue; 'skip_insert_client_ip': Skip Insert-client-ip; 'synreceived_hw': TCP SYN (HW SYN cookie); 'dns_id_switch': DNS query id switch; 'server_down_del': Server Down Del switch; 'dnssec_switch': DNSSEC SG switch; 'rate_drop_reset_unkn': Rate Drop reset; 'tcp_connections_closed': TCP Connections Closed; 'gtp_c_invalid_port': Invalid Packet Received on GTP VIP; 'gtp_c_invalid_header': Invalid Header Received on GTP VIP; 'gtp_c_invalid_message': Non Create Session/PDP Context Request/Response Received on GTP VIP; 'reselect_svrselfail': Server reselect failure; 'snat_port_overload_fail': Snat port overload fail; 'snat_force_preserve_alloc': Snat port preserve allocated; 'snat_force_preserve_free': Snat port preserve freed; 'proxy_header_insert': PROXY protocol header inserted; 'proxy_header_rexmit': PROXY protocol header retransmitted; 'proxy_prot_error': PROXY protocol error; 'proxy_prot_drop': PROXY protocol drop; 'slb_gtp_proxy_pkt_rcv_rr': SLB GTP proxy packet received on RR; 'slb_gtp_proxy_smp_match': SLB GTP proxy helper session found; 'slb_gtp_proxy_smp_no_match': SLB GTP proxy helper session not found; 'slb_gtp_proxy_c_process_local_rr': SLB GTP proxy messageprocessed locally on RR; 'slb_gtp_proxy_smp_creation_failed': SLB GTP proxy helper session creation failed; 'slb_gtp_proxy_smp_created': SLB GTP proxy helper session created; 'slb_gtp_proxy_smp_free_not_found': SLB GTP proxy session helper not found during cleanup; 'slb_gtp_proxy_smp_freed': SLB GTP proxy session helper freed; 'slb_gtp_proxy_retx_requests': SLB GTP proxy retx requests; 'pbslb_entry_limit_exceed': pbslb entry limit Exceed;

Type: string

Supported Values: all, intcp, synreceived, tcp_fwd_last_ack, tcp_rev_last_ack, tcp_rev_fin, tcp_fwd_fin, tcp_fwd_ackfin, inudp, syncookiessent, syncookiessent_ts, syncookiessentfailed, outrst, outrst_nosyn, outrst_broker, outrst_ack_attack, outrst_aflex, outrst_stale_sess, syn_stale_sess, outrst_tcpproxy, svrselfail, noroute, snat_fail, snat_no_fwd_route, snat_no_rev_route, snat_icmp_error_process, snat_icmp_no_match, smart_nat_id_mismatch, syncookiescheckfailed, novport_drop, no_vport_drop, nosyn_drop, nosyn_drop_fin, nosyn_drop_rst, nosyn_drop_ack, connlimit_drop, connlimit_reset, conn_rate_limit_drop, conn_rate_limit_reset, proxy_nosock_drop, drop_aflex, sess_aged_out, tcp_sess_aged_out, udp_sess_aged_out, other_sess_aged_out, tcp_no_slb, udp_no_slb, throttle_syn, drop_gslb, inband_hm_retry, inband_hm_reassign, auto_reassign, fast_aging_set, fast_aging_reset, dns_policy_drop, tcp_invalid_drop, anomaly_out_seq, anomaly_zero_win, anomaly_bad_content, anomaly_pbslb_drop, no_resourse_drop, reset_unknown_conn, reset_l7_on_failover, ignore_msl, l2_dsr, l3_dsr, port_preserve_attempt, port_preserve_succ, tcpsyndata_drop, tcpotherflags_drop, bw_rate_limit_exceed, bw_watermark_drop, l4_cps_exceed, nat_cps_exceed, l7_cps_exceed, ssl_cps_exceed, ssl_tpt_exceed, ssl_watermark_drop,

concurrent_conn_exceed, svr_syn_handshake_fail, stateless_conn_timeout, tcp_ax_rexmit_syn, tcp_syn_rcv_ack, tcp_syn_rcv_rst, tcp_sess_noest_aged_out, tcp_sess_noest_csyn_rcv_aged_out, tcp_sess_noest_ssyn_xmit_aged_out, tcp_rexmit_syn, tcp_rexmit_syn_delq, tcp_rexmit_synack, tcp_rexmit_synack_delq, tcp_fwd_fin_dup, tcp_rev_fin_dup, tcp_rev_ackfin, tcp_fwd_rst, tcp_rev_rst, udp_req_oneplus_no_resp, udp_req_one_oneplus_resp, udp_req_resp_notmatch, udp_req_more_resp, udp_resp_more_req, udp_req_oneplus, udp_resp_oneplus, out_seq_ack_drop, tcp_est, synattack, syn_rate, syncookie_buff_drop, syncookie_buff_queue, skip_insert_client_ip, synreceived_hw, dns_id_switch, server_down_del, dnssec_switch, rate_drop_reset_unkn, tcp_connections_closed, gtp_c_invalid_port, gtp_c_invalid_header, gtp_c_invalid_message, reselect_svrselfail, snat_port_overload_fail, snat_force_preserve_alloc, snat_force_preserve_free, proxy_header_insert, proxy_header_rexmit, proxy_prot_error, proxy_prot_drop, slb_gtp_proxy_pkt_rcv_rr, slb_gtp_proxy_smp_match, slb_gtp_proxy_smp_no_match, slb_gtp_proxy_c_process_local_rr, slb_gtp_proxy_smp_creation_failed, slb_gtp_proxy_smp_created, slb_gtp_proxy_smp_free_not_found, slb_gtp_proxy_smp_freed, slb_gtp_proxy_retx_requests, pbslb_entry_limit_exceed, fast_path_reroute, fast_path_l2_reroute

common

Specification	Value
Type	*object*

N5-new

Description HW assisted N5 SSL module with TLS 1.3 and TLS 1.2 support using OpenSSL 1.1.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: N5-new,software, software-tls13, QAT, QAT4, N5-old, and software-tls13-offload are mutually exclusive

N5-old

Description HW assisted N5 SSL module with TLS 1.2 support using OpenSSL 0.9.7

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: N5-old,software, software-tls13, QAT, QAT4, N5-new, and software-tls13-offload are mutually exclusive

QAT

Description HW assisted QAT SSL module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: QAT,software, software-tls13, QAT4, N5-new, N5-old, and software-tls13-offload are mutually exclusive

QAT4

Description HW assisted QAT Gen4 SSL module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: QAT4,software, software-tls13, QAT, QAT4, N5-new, N5-old, and software-tls13-offload are mutually exclusive

aflex-persist-uie-chassis-sync-enable

Description Enable aflex persist uie cross PU sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aflex-table-entry-aging-interval

Description aFleX table entry aging interval in second

Type: number

Range: 1-3600

Default: 1

aflex-table-entry-sync

Description: aflex-table-entry-sync is a **JSON Block**. Please see below for *common_aflex-table-entry-sync*

Type: Object

Reference Object: */axapi/v3/slb/common/aflex-table-entry-sync*

after-disable

Description Graceful shutdown after disable server/port and/or virtual server/port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-in-gateway-mode

Description Use source NAT gateway for L3 traffic for gateway mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

attack-resp-code

Description Custom response code

Type: number

Range: 400-599

Default: 410

auto-nat-no-ip-refresh

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

auto-translate-port

Description Auto Translate Port range

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff-thresh

Description Set buffer threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff-thresh-hw-buff

Description Set hardware buffer threshold

Type: number

Range: 1-2147483647

buff-thresh-relieve-thresh

Description Relieve threshold

Type: number

Range: 0-2147483647

buff-thresh-sys-buff-high

Description Set high water mark of system buffer

Type: number

Range: 0-2147483647

buff-thresh-sys-buff-low

Description Set low water mark of system buffer

Type: number

Range: 0-2147483647

cache-expire-time

Description Cache expiration time, default is 1 minute

Type: number

Range: 1-480

Default: 1

cancel-stream-loop-limit

Description Set global cancel stream loop limit (cancel stream loop limit, default is 5)

Type: number

Range: 0-50

Default: 5

cert-pinning

Description: cert-pinning is a **JSON Block**. Please see below for *common_cert-pinning*

Type: Object

Reference Object: */axapi/v3/slb/common/cert-pinning*

clientside-ip

Description Clientside IP address

Type: string

Format: ipv4-address

clientside-ipv6

Description Clientside IPv6 address

Type: string

Format: ipv6-address

compress-block-size

Description Set compression block size (Compression block size in bytes)

Type: number

Range: 6000-131008

conn-rate-limit

Description: conn-rate-limit is a **JSON Block**. Please see below for *common_conn-rate-limit*

Type: Object

Reference Object: */axapi/v3/slb/common/conn-rate-limit*

custom-message

Description Block message

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-message and custom-page are mutually exclusive

custom-page

Description Specify the custom webpage name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-page and custom-message are mutually exclusive

custom-signal-clist

Description Provide custom signal names

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ddos-pkt-count-thresh

Description Set packet count threshold for DDOS, default is 100

Type: number

Range: 1-256

Default: 100

ddos-pkt-size-thresh

Description Set data packet size threshold for DDOS, default is 64 bytes

Type: number

Range: 1-256

Default: 64

ddos-protection

Description: ddos-protection is a **JSON Block**. Please see below for *common_ddos-protection*

Type: Object

disable-adaptive-resource-check

Description Disable adaptive resource check based on buffer usage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-persist-scoring

Description Disable Persist Scoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-port-masking

Description Disable masking of ports for CPU hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-server-auto-reselect

Description Disable auto reselection of server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-age

Description Set DNS cache entry age, default is 300 seconds (1-1000000 seconds, default is 300 seconds)

Type: number

Range: 1-1000000

Default: 300

dns-cache-age-min-threshold

Description Set DNS cache entry age minimum threshold, default is 0 seconds (1-1000000 seconds, default is 0 seconds)

Type: number

Range: 0-1000000

Default: 0

dns-cache-aging-weight

Description Set DNS cache entry weight, default is 1

Type: number

Range: 1-7

Default: 1

dns-cache-enable

Description Enable DNS cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-entry-size

Description Set DNS cache entry size, default is 256 bytes (1-4096 bytes, default is 256 bytes)

Type: number

Range: 1-4096

Default: 256

dns-cache-hitcount-enable

Description Enable DNS cache entry hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-sync

Description Enable DNS cache HA sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-sync-entry-size

Description Only sync DNS cache with smaller size (1-4096 bytes, default is 256 bytes)

Type: number

Range: 1-4096

Default: 256

dns-cache-sync-ttl-threshold

Description Only sync DNS cache with longer TTL (0-10000000 seconds, default is 0 second)

Type: number

Range: 0-10000000

Default: 0

dns-cache-ttl-adjustment-enable

Description Enable DNS cache response ttl adjustment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cookie-cache-policy

Description 'served-by-cache': Answer from cache for requests with cookie; 'served-by-backend': Answer from server for requests with cookie;

Type: string

Supported Values: served-by-cache, served-by-backend

dns-negative-cache-bypass-threshold

Description Query bypass threshold of negative cache entry, default is 100

Type: number

Range: 1-65535

Default: 100

dns-negative-cache-caching-non-valid

Description Enable caching non-valid negative response, otherwise will only cache valid negative response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-negative-cache-enable

Description Enable DNS negative cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-persistent-cache-enable

Description Enable persistent DNS cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-persistent-cache-hit-threshold

Description Only save DNS cache with larger hit count (0-10000000, default is 0)

Type: number

Range: 0-10000000

Default: 0

dns-persistent-cache-ttl-threshold

Description Only save DNS cache with longer TTL (0-10000000 seconds, default is 0 second)

Type: number

Range: 0-10000000

Default: 0

dns-response-rate-limiting

Description: dns-response-rate-limiting is a **JSON Block**. Please see below for *common_dns-response-rate-limiting*

Type: Object

Reference Object: */axapi/v3/slb/common/dns-response-rate-limiting*

dns-vip-stateless

Description Enable DNS VIP stateless mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-icmp-to-vip-when-vip-down

Description Drop ICMP to VIP when VIP down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dsr-health-check-enable

Description Enable dsr-health-check (direct server return health check)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ecmp-hash

Description 'system-default': Use system default ecmp hashing algorithm; 'connection-based': Use connection information for hashing;

Type: string

Supported Values: system-default, connection-based

Default: system-default

enable-ddos

Description Enable DDoS protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-fast-path-rerouting

Description Enable Fast-Path Rerouting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-l7-req-acct

Description Enable L7 request accounting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entity

Description 'server': Graceful shutdown server/port only; 'virtual-server': Graceful shutdown virtual server/port only;

Type: string

Supported Values: server, virtual-server

exclude-destination

Description 'local': Maximum local rate; 'remote': Maximum remote rate; (Maximum rates)

Type: string

Supported Values: local, remote

extended-stats

Description Enable global slb extended statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-path-disable

Description Disable fast path in SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-health-check

Description Enable gateway health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-dns-cache

Description: global-dns-cache is a **JSON Block**. Please see below for *common_global-dns-cache*

Type: Object

Reference Object: */axapi/v3/slb/common/global-dns-cache*

graceful-shutdown

Description 1-65535, in unit of seconds

Type: number

Range: 1-65535

graceful-shutdown-enable

Description Enable graceful shutdown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check-to-all-vip

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-fast-enable

Description Enable Http Fast in SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-compression

Description Use hardware compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-syn-rr

Description Configure hardware SYN round robin (range 1-500000)

Type: number

Range: 1-500000

interval

Description Specify the healthcheck interval, default is 5 seconds (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

Default: 5

ipv4-offset

Description IPv4 Octet Offset for Hash

Type: number

Range: 0-3

Default: 0

ipv6-subnet

Description IPv6 Octet Valid Subnet Length for Hash

Type: number

Range: 0-15

Default: 0

l2l3-trunk-lb-disable

Description Disable L2/L3 trunk LB

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-latency

Description Enable low latency mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-buff-queued-per-conn

Description Set per connection buffer threshold (Buffer value range 128-4096)

Type: number

Range: 128-4096

Default: 1000

max-http-header-count

Description Set maximum number of HTTP headers allowed

Type: number

Range: 90-255

Default: 90

max-local-rate

Description Set maximum local rate

Type: number

Range: 1-500

Default: 64

max-persistent-cache

Description Define maximum persistent cache (Maximum persistent cache entry)

Type: number

max-remote-rate

Description Set maximum remote rate

Type: number

Range: 1-1000000

Default: 15000

monitor-mode-enable

Description Enable NG-WAF monitor mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msl-time

Description Configure maximum session life, default is 2 seconds (1-39 seconds, default is 2 seconds)

Type: number

Range: 1-39

Default: 2

mss-table

Description Set MSS table (128-750, default is 536)

Type: number

Range: 128-750

Default: 536

ngwaf-proxy-ipv4

Description IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: ngwaf-proxy-ipv4 and ngwaf-proxy-ipv6 are mutually exclusive

ngwaf-proxy-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ngwaf-proxy-ipv6 and ngwaf-proxy-ipv4 are mutually exclusive

ngwaf-proxy-port

Description Port

Type: number

Range: 1-65534

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

odd-even-nat-enable

Description Enable odd even nat pool allocation in dual blade systems

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

odd-even-nat-one-arm

Description Enable odd even nat pool allocation in one-arm deployment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn-hm-rate

Description One Server Conn Health Check Rate

Type: number

Range: 1-60

override-port

Description Enable override port in DSR health check mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pbslb-entry-age

Description Set global pbslb entry age (minute)

Type: number

Range: 1-127

Default: 6

pbslb-overflow-glid

Description Apply global limit id to overflow pbslb entry

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/glid*

per-thr-percent

Description Percentage of default session count to use for per thread session table size

Type: number

Range: 1-100

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

player-id-check-enable

Description Enable the Player id check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Serverside port number for SNI transmission

Type: number

Range: 1-65535

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

pre-process-enable

Description Enable NG-WAF pre-processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic

Description: quic is a **JSON Block**. Please see below for *common_quic*

Type: Object

Reference Object: */axapi/v3/slb/common/quic*

range

Description auto translate port range

Type: number

Range: 1-3

range-end

Description port range end

Type: number

Range: 0-65535

range-start

Description port range start

Type: number

Range: 0-65535

rate-limit-logging

Description Configure rate limit logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recursive-ns-cache

Description 'honor-packet-ttl': Honor the lowest TTL among NS records in the server response; 'honor-age-config': Honor the ttl/age settings based on acos dns cache configuration;

Type: string

Supported Values: honor-packet-ttl, honor-age-config

Default: honor-packet-ttl

redirect-dummy-ethernet

Description Ethernet interface (Ethernet interface number)

Type: number

Format: interface

redirect-dummy-vlan

Description VLAN Id

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

reset-stale-session

Description Send reset if session in delete queue receives a SYN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resolve-port-conflict

Description Enable client port service port conflicts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type

Description 'single-answer': Only cache DNS response with single answer; 'round-robin': Round robin;

Type: string

Supported Values: single-answer, round-robin

scale-out

Description Enable SLB scale out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scale-out-traffic-map

Description Set SLB scaleout traffic-map

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

serverside-ip

Description Serverside IP address

Type: string

Format: ipv4-address

serverside-ipv6

Description Serverside IPv6 address

Type: string

Format: ipv6-address

service-group-on-no-dest-nat-vports

Description 'allow-same': Allow the binding service-group on no-dest-nat virtual ports; 'enforce-different': Enforce that the same service-group can not be bound on different no-dest-nat virtual ports;

Type: string

Supported Values: allow-same, enforce-different

Default: enforce-different

show-slb-server-legacy-cmd

Description Enable show slb server legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show-slb-service-group-legacy-cmd

Description Enable show slb service-group legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show-slb-virtual-server-legacy-cmd

Description Enable show slb virtual-server legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-gwy-for-l3

Description Use source NAT gateway for L3 traffic for transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-preserve

Description: snat-preserve is a **JSON Block**. Please see below for *common_snat-preserve*

Type: Object

software

Description Software

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: software,software-tls13, QAT, QAT4, N5-new, N5-old, and software-tls13-offload are mutually exclusive

software-tls13

Description Software TLS1.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: software-tls13,software, QAT, QAT4, N5-new, N5-old, and software-tls13-offload are mutually exclusive

software-tls13-offload

Description Software TLS1.3 with CPU Offload Support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: software-tls13-offload,software, software-tls13, QAT, QAT4, N5-new, and N5-old are mutually exclusive

sort-res

Description Enable SLB sorting of resource names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-module-usage-enable

Description Enable SSL module usage calculations for QAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-n5-delay-tx-enable

Description Enable delay transmission for N5-new

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-ratelimit-cfg

Description: ssl-ratelimit-cfg is a **JSON Block**. Please see below for *common_ssl-ratelimit-cfg*

Type: Object

ssli-cert-not-ready-inspect-limit

Description SSLI asynchronized connection max number, default is 2000 (set to 0 for unlimited size)

Type: number

Range: 0-2147483647

Default: 2000

ssli-cert-not-ready-inspect-timeout

Description SSLI asynchronized connection timeout, default is 10 seconds (seconds, set to 0 for never timeout)

Type: number

Range: 0-2147483647

Default: 10

ssli-silent-termination-enable

Description Terminate the SSLi sessions silently without sending RST/FIN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-sni-hash-enable

Description Enable SSLi SNI hash table

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateless-sg-multi-binding

Description Enable stateless service groups to be assigned to multiple L2/L3 DSR VIPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-disable

Description Disable global slb data statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the healthcheck timeout value, default is 15 seconds (Timeout Value, in seconds (default 15))

Type: number

Range: 1-360

Default: 15

traffic-map-type

Description 'vport': traffic-map per vport; 'global': global traffic-map;

Type: string

Supported Values: vport, global

Default: vport

ttl-threshold

Description Only cache DNS response with longer TTL

Type: number

Range: 1-10000000

use-default-sess-count

Description Use default session count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-https-proxy

Description NG-WAF connects to Cloud through proxy server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port to connect

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mss-tab

Description Use MSS based on internal table for SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vport-global

Description Configure periodic showtech vport paging global limit

Type: number

Range: 0-512

vport-l3v

Description Configure periodic showtech vport paging l3v limit

Type: number

Range: 0-128

common_aflex-table-entry-sync

Specification	Value
Type	*object*

aflex-table-entry-sync-enable

Description Enable aflex table sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aflex-table-entry-sync-max-key-len

Description aflex table entry max key length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-max-value-len

Description aflex table entry max value length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-min-lifetime

Description aflex table entry minimum lifetime to sync

Type: number

Range: 0-65535

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_cert-pinning

Specification	Value
Type	*object*

candidate-list-feedback-opt-in

Description: candidate-list-feedback-opt-in is a **JSON Block**. Please see below for *common_cert-pinning_candidate-list-feedback-opt-in*

Type: Object

Reference Object: */axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in*

ttl

Description The ttl of local cert pinning candidate list, multiple of 10 minutes, default is 144 (1440 minutes)

Type: number

Range: 1-1008

Default: 144

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_cert-pinning_candidate-list-feedback-opt-in

Specification	Value
Type	*object*

daily

Description Every day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: daily and weekly are mutually exclusive

day-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

enable

Description Enable the feedback function

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schedule

Description schedule the uploading time, default is daily 00:00

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port to connect

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

week-day

Description 'Monday': Monday; 'Tuesday': Tuesday; 'Wednesday': Wednesday; 'Thursday': Thursday; 'Friday': Friday; 'Saturday': Saturday; 'Sunday': Sunday;

Type: string

Supported Values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

week-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

weekly

Description Every week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: weekly and daily are mutually exclusive

common_dns-response-rate-limiting

Specification	Value
Type	*object*

max-table-entries

Description Maximum number of entries allowed

Type: number

Range: 1000-4194304

source-entry-age

Description Source entry age in minutes (default 2)

Type: number

Range: 1-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_ssl-ratelimit-cfg

Specification	Value
Type	*object*

disable-rate

Description Disable HW SSL Rate limit for N5-new

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-rate, tls12-rate, and tls13-rate are mutually exclusive

tls12-rate

Description Enabling Rateliming for TLS1.2 HW requests per chip in 1K - default 120

Type: number

Range: 1-1000

Default: 120

Mutual Exclusion: tls12-rate and disable-rate are mutually exclusive

tls13-rate

Description Enabling Rateliming for TLS1.3 HW requests per chip in 1K - default 72

Type: number

Range: 1-200

Default: 72

Mutual Exclusion: tls13-rate and disable-rate are mutually exclusive

common_quic

Specification	Value
Type	*object*

cid-len

Description Length of CID

Type: number

Range: 4-20

Default: 4

cpu-offset

Description Offset for Encoded CPU

Type: number

Range: 0-15

Default: 12

enable-hash

Description Enable CID Hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-signature

Description Enable CID Signature Validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic-lb-offset

Description Offset for QUIC-LB

Type: number

Range: 0-15

Default: 8

signature

Description Set CID Signature

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

signature-len

Description Offset for CID Signature

Type: number

Range: 1-4

Default: 3

signature-offset

Description Offset for CID Signature

Type: number

Range: 0-15

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_global-dns-cache

Specification	Value
Type	*object*

class-list

Description: class-list is a **JSON Block**. Please see below for *common_global-dns-cache_class-list*

Type: Object

Reference Object: */axapi/v3/slb/common/global-dns-cache/class-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_global-dns-cache_class-list

Specification	Value
Type	*object*

lid-list

Type: List

Reference Object: */axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_global-dns-cache_class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *common_global-dns-cache_class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description 'ignore': Ignore the limit and proceed; 'drop': Drop the query when it exceeds limit;

Type: string

Supported Values: ignore, drop

Default: drop

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_global-dns-cache_class-list_lid-list_dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-enable

honor-server-response-ttl

Description Honor the server response TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

Default: 300

weight

Description Weight for cache entry

Type: number

Range: 1-7

Default: 1

common_conn-rate-limit

Specification	Value
Type	*object*

src-ip-list

Type: List

Reference Object: */axapi/v3/slb/common/conn-rate-limit/src-ip/{disable-ipv6-support}+{protocol}*

common_conn-rate-limit_src-ip-list

Specification	Value
Type	*list*
Block object keys	

disable-ipv6-support

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exceed-action

Description Set action if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Set max connections per period

Type: number

Range: 1-1000000

limit-period

Description '100': 100 ms; '1000': 1000 ms;

Type: string

Supported Values: 100, 1000

lock-out

Description Set lockout period in seconds if threshold exceeded

Type: number

Range: 1-3600

log

Description Send log if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': Set TCP connection rate limit; 'udp': Set UDP packet rate limit;

Type: string

Supported Values: tcp, udp

shared

Description Set threshold shared amongst all virtual ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

common_ddos-protection

Specification	Value
Type	*object*

ipd-enable-toggle

Description 'enable': Enable SLB DDoS protection; 'disable': Disable SLB DDoS protection (default);

Type: string

Supported Values: enable, disable

Default: disable

logging

Description: logging is a **JSON Block**. Please see below for *common_ddos-protection_logging*

Type: Object

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *common_ddos-protection_packets-per-second*

Type: Object

common_ddos-protection_packets-per-second

Specification	Value
Type	*object*

ipd-tcp

Description Configure packets-per-second threshold per TCP port (default: 200)

Type: number

Range: 0-65535

Default: 200

ipd-udp

Description Configure packets-per-second threshold per UDP port (default: 200)

Type: number

Range: 0-65535

Default: 200

common_ddos-protection_logging

Specification	Value
Type	*object*

ipd-logging-toggle

Description 'enable': Enable SLB DDoS protection logging (default); 'disable': Disable SLB DDoS protection logging;

Type: string

Supported Values: enable, disable

Default: enable

common_snat-preserve

Specification	Value
Type	*object*

range

Type: List

common_snat-preserve_range

Specification	Value
Type	*list*
Block object keys	

port1

Description start port

Type: number

Range: 1025-65535

Default: 1025

port2

Description end port which is greater than start

Type: number

Range: 1025-65535

Default: 1025

ssl-scep-cert-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-pinning-candidate-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ac-class-list-list

Specification	Value
Type	*list*
Block object keys	

ac-list

Type: List

name

Description Specify name of the class list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: test

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ac-class-list-list_ac-list

Specification	Value
Type	*list*
Block object keys	

ac-key-string

Description Specify key string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

ac-key-value

Description Specify value string

Type: string

Format: string-rlx

Maximum Length: 639 characters

Maximum Length: 1 characters

ac-match-type

Description 'contains': String contains another string; 'ends-with': String ends with another string; 'equals': String equals another string; 'starts-with': String starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

action

Description 'add': Add the entry; 'delete': Delete the entry;

Type: string

Supported Values: add, delete

health-check-details

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-stat

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-stat_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_burst': Number of burst; 'max_jiffie': Maximum number of jiffies; 'min_jiffie': Minimum number of jiffies; 'avg_jiffie': Average number of jiffies; 'open_socket': Number of open sockets; 'open_socket_failed': Number of failed open sockets; 'close_socket': Number of closed sockets; 'connect_failed': Number of failed connections; 'send_packet': Number of packets sent; 'send_packet_failed': Number of packet

send failures; 'recv_packet': Number of received packets; 'recv_packet_failed': Number of failed packet receives; 'retry_times': Retry times; 'timeout': Timouet value; 'unexpected_error': Number of unexpected errors; 'conn_imdt_succ': Number of connection immediete success; 'sock_close_before_17': Number of sockets closed before l7; 'sock_close_without_notify': Number of sockets closed without notify; 'curr_health_rate': Current health rate; 'ext_health_rate': External health rate; 'ext_health_rate_val': External health rate value; 'total_number': Total number; 'status_up': Number of status ups; 'status_down': Number of status downs; 'status_unkn': Number of status unknowns; 'status_other': Number of other status; 'running_time': Running time; 'config_health_rate': Config health rate; 'ssl_post_handshake_packet': Number of ssl post handshake packets before client sends request; 'timeout_with_packet': Number of pin timeouts while socket has packets;

Type: string

Supported Values: all, num_burst, max_jiffie, min_jiffie, avg_jiffie, open_socket, open_socket_failed, close_socket, connect_failed, send_packet, send_packet_failed, recv_packet, recv_packet_failed, retry_times, timeout, unexpected_error, conn_imdt_succ, sock_close_before_17, sock_close_without_notify, curr_health_rate, ext_health_rate, ext_health_rate_val, total_number, status_up, status_down, status_unkn, status_other, running_time, config_health_rate, ssl_post_handshake_packet, timeout_with_packet

fwd-policy-snat-pt-only

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-stats

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-response-rate-limiting

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-response-rate-limiting_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_withdrew': Total Entry Withdrew; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'total_logs': Total Logs; 'total_overflow_entry_hits': Total Overflow Entry Hits; 'total_refill': Total Refills; 'total_credit_exceeded': Total Credit Exceeded; 'other_thread_refill': Other Thread Refilling; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_ext_create_oom': Entry Extension Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_vport_fail_match': Failed to Match Vport;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_withdrew, total_ready_to_free, total_freed, total_logs, total_overflow_entry_hits, total_refill, total_credit_exceeded, other_thread_refill, err_entry_create_failed, err_entry_create_oom, err_entry_ext_create_oom, err_entry_insert_failed, err_vport_fail_match

ssl-cmp-cert-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

player-id-list

Specification	Value
Type	*object*

player-record

Type: List

player-id-list_player-record

Specification	Value
Type	*list*
Block object keys	

game-server-ipv4

Description Specify IP address

Type: string

Format: ipv4-address

game-server-ipv6

Description Specify IPv6 address

Type: string

Format: ipv6-address

game-server-port-v4

Description Port

Type: number

Range: 0-65534

game-server-port-v6

Description Port

Type: number

Range: 0-65534

player-id

Description 64/32 bit player id based on config

Type: number

Range: 0-2147483647

template

Specification	Value
Type	*object*

cache-list

Type: List

Reference Object: */axapi/v3/slb/template/cache/{name}*

cipher-list

Type: List

Reference Object: */axapi/v3/slb/template/cipher/{name}*

client-ssh-list

Type: List

Reference Object: */axapi/v3/slb/template/client-ssh/{name}*

client-ssl-list

Type: List

Reference Object: */axapi/v3/slb/template/client-ssl/{name}*

connection-reuse-list

Type: List

Reference Object: */axapi/v3/slb/template/connection-reuse/{name}*

dblb-list

Type: List

Reference Object: */axapi/v3/slb/template/dblb/{name}*

diameter-list

Type: List

Reference Object: */axapi/v3/slb/template/diameter/{name}*

dns-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}*

dns-logging-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}*

doh-list

Type: List

Reference Object: */axapi/v3/slb/template/doh/{name}*

dynamic-service-list

Type: List

Reference Object: */axapi/v3/slb/template/dynamic-service/{name}*

external-service-list

Type: List

Reference Object: */axapi/v3/slb/template/external-service/{name}*

fix-list

Type: List

Reference Object: */axapi/v3/slb/template/fix/{name}*

ftp-list

Type: List

Reference Object: */axapi/v3/slb/template/ftp/{name}*

http-list

Type: List

Reference Object: */axapi/v3/slb/template/http/{name}*

http-policy-list

Type: List

Reference Object: */axapi/v3/slb/template/http-policy/{name}*

imap-pop3-list

Type: List

Reference Object: */axapi/v3/slb/template/imap-pop3/{name}*

link-block-as-down

Description: link-block-as-down is a **JSON Block**. Please see below for *template_link-block-as-down*

Type: Object

Reference Object: */axapi/v3/slb/template/link-block-as-down*

link-cost-list

Type: List

Reference Object: */axapi/v3/slb/template/link-cost/{name}*

link-down-on-restart

Description: link-down-on-restart is a **JSON Block**. Please see below for *template_link-down-on-restart*

Type: Object

Reference Object: */axapi/v3/slb/template/link-down-on-restart*

link-probe-list

Type: List

Reference Object: */axapi/v3/slb/template/link-probe/{name}*

logging-list

Type: List

Reference Object: */axapi/v3/slb/template/logging/{name}*

monitor-list

Type: List

Reference Object: */axapi/v3/slb/template/monitor/{id}*

mqtt-list

Type: List

Reference Object: */axapi/v3/slb/template/mqtt/{name}*

persist

Description: persist is a **JSON Block**. Please see below for *template_persist*

Type: Object

Reference Object: */axapi/v3/slb/template/persist*

policy-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}*

port-list

Type: List

Reference Object: */axapi/v3/slb/template/port/{name}*

quic-list

Type: List

Reference Object: */axapi/v3/slb/template/quic/{name}*

reqmod-icap-list

Type: List

Reference Object: */axapi/v3/slb/template/reqmod-icap/{name}*

respmod-icap-list

Type: List

Reference Object: */axapi/v3/slb/template/respmod-icap/{name}*

server-list

Type: List

Reference Object: */axapi/v3/slb/template/server/{name}*

server-ssh-list

Type: List

Reference Object: */axapi/v3/slb/template/server-ssh/{name}*

server-ssl-list

Type: List

Reference Object: */axapi/v3/slb/template/server-ssl/{name}*

sip-list

Type: List

Reference Object: */axapi/v3/slb/template/sip/{name}*

smpp-list

Type: List

Reference Object: */axapi/v3/slb/template/smpp/{name}*

smtp-list

Type: List

Reference Object: */axapi/v3/slb/template/smtp/{name}*

ssli-list

Type: List

Reference Object: */axapi/v3/slb/template/ssli/{name}*

tcp-list

Type: List

Reference Object: */axapi/v3/slb/template/tcp/{name}*

tcp-proxy-list

Type: List

Reference Object: */axapi/v3/slb/template/tcp-proxy/{name}*

udp-list

Type: List

Reference Object: */axapi/v3/slb/template/udp/{name}*

virtual-port-list

Type: List

Reference Object: */axapi/v3/slb/template/virtual-port/{name}*

virtual-server-list

Type: List

Reference Object: */axapi/v3/slb/template/virtual-server/{name}*

template_logging-list

Specification	Value
Type	*list*
Block object keys	

auto

Description 'auto': Configure auto NAT for logging, default is auto enabled;

Type: string

Supported Values: auto

Default: auto

Mutual Exclusion: auto and pool are mutually exclusive

format

Description Specify a format string for web logging (format string(less than 250 characters) for web logging)

Type: string

Format: string-rlx

Maximum Length: 250 characters

Maximum Length: 1 characters

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

Default: 0

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

Default: 0

local-logging

Description 1 to enable local logging (1 to enable local logging, default 0)

Type: number

Range: 0-1

Default: 0

mask

Description Character to mask the matched pattern (default: X)

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: X

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in the log

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: pool, shared-partition-pool, and auto are mutually exclusive

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_cache-list

Specification	Value
Type	*list*
Block object keys	

accept-reload-req

Description Accept reload requests via cache-control directives in HTTP headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

age

Description Specify duration in seconds cached content valid, default is 3600 seconds (seconds that the cached content is valid (default 3600 seconds))

Type: number

Range: 1-999999

Default: 3600

default-policy-nocache

Description Specify default policy to be to not cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-age

Description Disable insertion of age header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-via

Description Disable insertion of via header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-uri-policy

Type: List

logging

Description Specify logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

max-cache-size

Description Specify maximum cache size in megabytes, default is 80MB (RAM cache size in megabytes (default 80MB))

Type: number

Range: 1-4096

Default: 80

max-content-size

Description Maximum size (bytes) of response that can be cached - default 81920 (80KB)

Type: number

Range: 0-268435455

Default: 81920

min-content-size

Description Minimum size (bytes) of response that can be cached - default 512

Type: number

Range: 0-268435455

Default: 512

name

Description Specify cache template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-templ-cache-tmpl*

remove-cookies

Description Remove cookies in response and cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replacement-policy

Description 'LFU': LFU;

Type: string

Supported Values: LFU

Default: LFU

sampling-enable

Type: List

uri-policy

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-host

Description Verify request using host before sending response from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_cache-list_local-uri-policy

Specification	Value
Type	*list*
Block object keys	

local-uri

Description Specify Local URI for caching (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_cache-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Cache hits; 'miss': Cache misses; 'bytes_served': Bytes served from cache; 'total_req': Total requests received; 'caching_req': Total requests to cache; 'nc_req_header': slbTemplateCacheNcReqHeader, help nc_req_header; 'nc_res_header': slbTemplateCacheNcResHeader, help nc_res_header; 'rv_success': some help string; 'rv_failure': slbTemplateCacheRvFailure, help rv_failure; 'ims_request': some help string; 'nm_response': some help string; 'rsp_type_CL': some help string; 'rsp_type_CE': some help string; 'rsp_type_304': some help string; 'rsp_type_other': some help string; 'rsp_no_compress': some help string; 'rsp_gzip': some help string; 'rsp_deflate': some help string; 'rsp_other': some help string; 'nocache_match': some help string; 'match': some help string; 'invalidate_match': some help string; 'content_toobig': slbTemplateCacheContentToobig, help content_toobig; 'content_toosmall': slbTemplateCacheContentToosmall, help content_toosmall; 'entry_create_failures': slbTemplateCacheEntryCreateFailures, help entry_create_failures; 'mem_size': some help string; 'entry_num': some help string; 'replaced_entry': some help string; 'aging_entry': some help string; 'cleaned_entry': some help string; 'rsp_type_stream': some help string; 'header_save_error': some help string; 'rsp_br': rsp_br;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream, header_save_error, rsp_br

template_cache-list_uri-policy

Specification	Value
Type	*list*
Block object keys	

cache-action

Description 'cache': Specify if certain URIs should be cached; 'nocache': Specify if certain URIs should not be cached;

Type: string

Supported Values: cache, nocache

cache-value

Description Specify seconds that content should be cached, default is age specified in cache template

Type: number

Range: 1-999999

invalidate

Description Specify if URI should invalidate cache entries matching pattern (pattern that would match entries to be invalidated (64 chars max))

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uri

Description Specify URI for cache policy (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_port-list

Specification	Value
Type	*list*
Block object keys	

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server port (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-flaps

Description service dampening flaps count (max-flaps allowed in flap period)

Type: number

Range: 1-255

decrement

Description Decrease after every round of DNS query (default is 0)

Type: number

Range: 0-7

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-nat

Description Destination NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down-grace-period

Description Port down grace period (Down grace period in seconds)

Type: number

Range: 1-86400

down-timer

Description The timer to bring the marked down server/port to up (default is 0, never bring up) (The timer to bring up server (in second, default is 0))

Type: number

Range: 0-255

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

dynamic-member-priority

Description Set dynamic member's priority (Initial priority (default is 16))

Type: number

Range: 1-16

Default: 16

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

flap-period

Description take service out of rotation if max-flaps exceeded within time in seconds

Type: number

Range: 1-255

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

inband-health-check

Description Use inband traffic to detect port's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

name

Description Port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reassign

Description Maximum reassign times before declear the server/port down (default is 25) (The maximum reassign number)

Type: number

Range: 0-255

Default: 25

request-rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

request-rate-limit

Description Request rate limit

Type: number

Range: 1-1048575

request-rate-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resel-on-reset

Description When receiving reset from server, do the server/port reselection (default is 0, don't do reselection)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restore-svc-time

Description put the service back to the rotation after time in seconds

Type: number

Range: 1-4095

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

retry

Description Maximum retry times before reassign this connection to another server/port (default is 2) (The maximum retry number)

Type: number

Range: 0-7

Default: 2

shared-partition-pool

Description Reference a NAT pool or pool-group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and source-nat are mutually exclusive

slow-start

Description Slowly ramp up the connection number after port is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-nat

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: source-nat and shared-partition-pool are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

sub-group

Description Divide service group members into different sub groups (Sub group ID (default is 0))

Type: number

Range: 0-15

Default: 0

template-port-pool-shared

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight (port weight)

Type: number

Range: 1-1000

Default: 1

template_connection-reuse-list

Specification	Value
Type	*list*
Block object keys	

add-header

Description Insert HTTP Connection: keep-alive header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive-conn

Description Keep a number of server connections open

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit-per-server

Description Max Server Connections allowed (Connections per Server Port (default 1000))

Type: number

Range: 0-65535

Default: 1000

name

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

num-conn-per-port

Description Connections per Server Port (default 100)

Type: number

Range: 1-1024

Default: 100

preopen

Description Preopen server connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout in seconds. Multiple of 60 (default 2400)

Type: number

Range: 60-3600

Default: 2400

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_link-cost-list

Specification	Value
Type	*list*
Block object keys	

bandwidth-interval

Description Interval duration in seconds

Type: number

Range: 1-60

Default: 5

name

Description Server Link-Cost Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

overage-bandwidth-cost

Description Configure overage bandwidth cost on real server (Overage bandwidth cost per Mbpi)

Type: number

Range: 0-4294967295

Default: 0

prepaid-bandwidth

Description Configure prepaid bandwidth on real server (Prepaid Bandwidth in Mbpi)

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_link-cost-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'link_total_fwd_bytes': Total bytes fwd for link; 'interval_fwd_bytes': Link Cost bytes processed in forward direction per interval; 'link_total_conn': Link Cost total connection; 'interval_avg_throughput': Link Cost average throughput per interval; 'interval_max_throughput': Link Cost max throughput per interval;

Type: string

Supported Values: all, link_total_fwd_bytes, interval_fwd_bytes, link_total_conn, interval_avg_throughput, interval_max_throughput

template_reqmod-icap-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

allowed-http-methods

Description List of allowed HTTP methods. Default is "Allow All". (List of HTTP methods allowed (default "Allow All"))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 0 - 65535, default is 0

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_reqmod-icap-list_bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass reqmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

template_smpp-list

Specification	Value
Type	*list*
Block object keys	

client-enquire-link

Description Respond client ENQUIRE_LINK packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password

Description Configure the password used to bind

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-enquire-link

Description Send server ENQUIRE_LINK packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-enquire-link-val

Description Set interval of keep-alive packet for each persistent connection (second, default is 30)

Type: number

Range: 5-300

Default: 30

server-selection-per-request

Description Force server selection on every SMPP request when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user

Description Configure the user to bind (The name used to bind)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_smtp-list

Specification	Value
Type	*list*
Block object keys	

LF-to-CRLF

Description Change the LF to CRLF for smtp end of line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-domain-switching

Type: List

client-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue START-TLS command before mail transaction;

Type: string

Supported Values: optional, enforced

command-disable

Type: List

error-code-to-client

Description Would transfer error code(554) to client, when getting it from connection establishing with real-server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-domain

Description Config the domain of the email servers (Server's domain, default is "mail-server-domain")

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

Default: mail-server-domain

server-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue START-TLS command before mail transaction;

Type: string

Supported Values: optional, enforced

service-ready-msg

Description Set SMTP service ready message (SMTP service ready message, default is "ESMTP mail service ready")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: ESMTP mail service ready

template

Description: template is a **JSON Block**. Please see below for *template_smtp-list_template*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_smtp-list_client-domain-switching

Specification	Value
Type	*list*
Block object keys	

match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group

Description Select service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

switching-type

Description 'contains': Specify domain name string if domain contains another string; 'ends-with': Specify domain name string if domain ends with another string; 'starts-with': Specify domain string if domain starts with another string;

Type: string

Supported Values: contains, ends-with, starts-with

template_smtp-list_template

Specification	Value
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

template_smtp-list_command-disable

Specification	Value
Type	*list*
Block object keys	

disable-type

Description 'expn': Disable SMTP EXPN commands; 'turn': Disable SMTP TURN commands; 'vrfy': Disable SMTP VRFY commands;

Type: string

Supported Values: expn, turn, vrfy

template_external-service-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

name

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-forward-list

Type: List

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

type

Description 'skyfire-icap': Skyfire ICAP service; 'url-filter': URL filtering service;

Type: string

Supported Values: skyfire-icap, url-filter

Default: url-filter

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_external-service-list_bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass external service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

template_external-service-list_request-header-forward-list

Specification	Value
Type	*list*
Block object keys	

request-header-forward

Description Request header to be forwarded to external service (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_tcp-list

Specification	Value
Type	*list*
Block object keys	

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

force-delete-timeout

Description The maximum time that a session can stay in the system before being delete (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being delete (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default off (half close idle timeout in second, default off)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default off (half open idle timeout in second, default off)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout value (Interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

initial-window-size

Description Set the initial window size (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lan-fast-ack

Description Enable fast TCP ack on LAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description Fast TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *template_tcp-list_proxy-header*

Type: Object

qos

Description QOS level (number)

Type: number

Range: 1-63

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-follow-fin

Description send reset to client or server upon receiving first fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_tcp-list_proxy-header

Specification	Value
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

proxy-header-version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

template_diameter-list

Specification	Value
Type	*list*
Block object keys	

avp-code

Description avp code

Type: number

Range: 1-2147483647

avp-list

Type: List

avp-string

Description pattern to be matched in the avp string name, max length 127 bytes

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

customize-cea

Description customizing cea response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dwr-time

Description dwr health-check timer interval (in 100 milli second unit, default is 100, 0 means unset this option)

Type: number

Range: 0-2147483647

Default: 100

dwr-up-retry

Description number of successful dwr health-check before declaring target up

Type: number

Range: 1-7

Default: 3

forward-to-latest-server

Description Forward client message to the latest server that sends message with the same session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-unknown-session-id

Description Forward server message even it has unknown session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description user sesison idle timeout (in minutes, default is 5)

Type: number

Range: 1-65535

Default: 5

load-balance-on-session-id

Description Load balance based on the session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-code-list

Type: List

multiple-origin-host

Description allowing multiple origin-host to a single server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description diameter template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

origin-host

Description: origin-host is a **JSON Block**. Please see below for *template_diameter-list_origin-host*

Type: Object

Reference Object: */axapi/v3/slb/template/diameter/{name}/origin-host*

origin-realm

Description origin-realm name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

product-name

Description product name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

relaxed-origin-host

Description Relaxed Origin-Host Format

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-name

Description service group name, this is the service group that the message needs to be copied to

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

session-age

Description user session age allowed (default 10), this is not idle-time (in minutes)

Type: number

Range: 1-65535

Default: 10

terminate-on-cca-t

Description remove diameter session when receiving CCA-T message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vendor-id

Description vendor-id avp (Vendor Id)

Type: number

Range: 0-2147483647

Default: 0

template_diameter-list_message-code-list

Specification	Value
Type	*list*
Block object keys	

message-code

Description

Type: number

Range: 1-2147483647

template_diameter-list_avp-list

Specification	Value
Type	*list*
Block object keys	

avp

Description customize avps for cer to the server (avp number)

Type: number

Range: 0-2147483647

int32

Description 32 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int32, int64, and string are mutually exclusive

int64

Description 64 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int64, int32, and string are mutually exclusive

mandatory

Description mandatory avp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

string

Description String (string name, max length 127 bytes)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: string, int32, and int64 are mutually exclusive

template_diameter-list_origin-host

Specification	Value
Type	*object*

origin-host-name

Description origin-host name avp

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_udp-list

Specification	Value
Type	*list*
Block object keys	

age

Description short age (in sec), default is 31

Type: number

Range: 1-31

avp

Description '4': NAS-IP-address; '8': Framed-IP-Address;

Type: string

Supported Values: 4, 8

disable-clear-session

Description Disable immediate clearing of session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description Idle Timeout value (Interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

immediate

Description Immediate Removal after Transaction

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: immediate and short are mutually exclusive

name

Description Fast UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

radius-lb-method-hash-type

Description 'ip': IP-Hash;

Type: string

Supported Values: ip, ipv6

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

short

Description Short lived session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: short and immediate are mutually exclusive

stateless-conn-timeout

Description Stateless Current Connection Timeout value (5 - 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 5-120

Default: 120

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6avp

Description '168': Framed-IPv6-Address; '97': Framed-IPv6-PrefixFramed-IPv6-Prefix;

Type: string

Supported Values: 168, 97

template_link-down-on-restart

Specification	Value
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-policy-list

Specification	Value
Type	*list*
Block object keys	

cookie-name

Description name of cookie to match (Cookie Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

geo-location-match

Type: List

http-policy-match

Type: List

multi-match-rule-list

Type: List

Reference Object: */axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}*

name

Description http-policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-policy-list_http-policy-match

Specification	Value
Type	*list*
Block object keys	

match-string

Description URL String, use "[no-name]" for empty query-param-name match, use "[no-value]" for empty query-param-value match

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

match-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

type

Description 'cookie': cookie value match; 'host': hostname match; 'url': URL match; 'header-name': header name match; 'header-value': header value match; 'query-param-name': query parameter name; 'query-param-value': query parameter value;

Type: string

Supported Values: cookie, host, url, header-name, header-value, query-param-name, query-param-value

template_http-policy-list_multi-match-rule-list

Specification	Value
Type	*list*
Block object keys	

cookie-name-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-contains-type

Description 'contains': Cookie name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-name-contains-type,cookie-name-equals-type, cookie-name-starts-with-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-ends-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-ends-with-type

Description 'ends-with': Cookie name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-name-ends-with-type,cookie-name-equals-type, cookie-name-contains-type, and cookie-name-starts-with-type are mutually exclusive

cookie-name-equals-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-equals-type

Description 'equals': Cookie name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-name-equals-type,cookie-name-contains-type, cookie-name-starts-with-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-starts-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-starts-with-type

Description 'starts-with': Cookie name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-name-starts-with-type,cookie-name-equals-type, cookie-name-contains-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-value-match

Description When enabled, the rule will match only when both cookie-name and cookie-value matches with same cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-value-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-contains-type

Description 'contains': Cookie value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-value-contains-type,cookie-value-equals-type, cookie-value-starts-with-type, and cookie-value-ends-with-type are mutually exclusive

cookie-value-ends-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-ends-with-type

Description 'ends-with': Cookie value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-value-ends-with-type,cookie-value-equals-type, cookie-value-contains-type, and cookie-value-starts-with-type are mutually exclusive

cookie-value-equals-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-equals-type

Description 'equals': Cookie value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-value-equals-type,cookie-value-contains-type, cookie-value-starts-with-type, and cookie-value-ends-with-type are mutually exclusive

cookie-value-starts-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-starts-with-type

Description 'starts-with': Cookie value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-value-starts-with-type,cookie-value-equals-type, cookie-value-contains-type, and cookie-value-ends-with-type are mutually exclusive

header-name-contains-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-contains-type

Description 'contains': Header name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-name-contains-type,header-name-equals-type, header-name-starts-with-type, and header-name-ends-with-type are mutually exclusive

header-name-ends-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-ends-with-type

Description 'ends-with': Header name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-name-ends-with-type,header-name-equals-type, header-name-contains-type, and header-name-starts-with-type are mutually exclusive

header-name-equals-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-equals-type

Description 'equals': Header name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-name-equals-type,header-name-contains-type, header-name-starts-with-type, and header-name-ends-with-type are mutually exclusive

header-name-starts-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-starts-with-type

Description 'starts-with': Header name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-name-starts-with-type,header-name-equals-type, header-name-contains-type, and header-name-ends-with-type are mutually exclusive

header-name-value-match

Description When enabled, the rule will match only when both header-name and header-value matches with same header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-value-contains-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-contains-type

Description 'contains': Header value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-value-contains-type,header-value-equals-type, header-value-starts-with-type, and header-value-ends-with-type are mutually exclusive

header-value-ends-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-ends-with-type

Description 'ends-with': Header value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-value-ends-with-type,header-value-equals-type, header-value-contains-type, and header-value-starts-with-type are mutually exclusive

header-value-equals-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-equals-type

Description 'equals': Header value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-value-equals-type,header-value-contains-type, header-value-starts-with-type, and header-value-ends-with-type are mutually exclusive

header-value-starts-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-starts-with-type

Description 'starts-with': Header value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-value-starts-with-type,header-value-equals-type, header-value-contains-type, and header-value-ends-with-type are mutually exclusive

host-contains-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-contains-type

Description 'contains': Host contains string;

Type: string

Supported Values: contains

Mutual Exclusion: host-contains-type,host-equals-type, host-starts-with-type, and host-ends-with-type are mutually exclusive

host-ends-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-ends-with-type

Description 'ends-with': Host ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: host-ends-with-type,host-equals-type, host-contains-type, and host-starts-with-type are mutually exclusive

host-equals-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-equals-type

Description 'equals': Host equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: host-equals-type,host-contains-type, host-starts-with-type, and host-ends-with-type are mutually exclusive

host-starts-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-starts-with-type

Description 'starts-with': Host starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: host-starts-with-type,host-equals-type, host-contains-type, and host-ends-with-type are mutually exclusive

multi-match

Description Specify a multi-match-rule name

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

query-param-name-contains-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-contains-type

Description 'contains': query parameter name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-name-contains-type,query-param-name-equals-type, query-param-name-starts-with-type, and query-param-name-ends-with-type are mutually exclusive

query-param-name-ends-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-ends-with-type

Description 'ends-with': query parameter name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-name-ends-with-type,query-param-name-equals-type, query-param-name-contains-type, and query-param-name-starts-with-type are mutually exclusive

query-param-name-equals-string

Description query parameter name string, use "[no-name]" for empty query-param-name match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-equals-type

Description 'equals': query parameter name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-name-equals-type,query-param-name-contains-type, query-param-name-starts-with-type, and query-param-name-ends-with-type are mutually exclusive

query-param-name-starts-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-starts-with-type

Description 'starts-with': query parameter name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-name-starts-with-type,query-param-name-equals-type, query-param-name-contains-type, and query-param-name-ends-with-type are mutually exclusive

query-param-value-contains-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-contains-type

Description 'contains': query parameter value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-value-contains-type,query-param-value-equals-type, query-param-value-starts-with-type, and query-param-value-ends-with-type are mutually exclusive

query-param-value-ends-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-ends-with-type

Description 'ends-with': query parameter value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-value-ends-with-type,query-param-value-equals-type, query-param-value-contains-type, and query-param-value-starts-with-type are mutually exclusive

query-param-value-equals-string

Description query parameter value string, use "[no-value]" for empty query-param-value match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-equals-type

Description 'equals': query parameter value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-value-equals-type,query-param-value-contains-type, query-param-value-starts-with-type, and query-param-value-ends-with-type are mutually exclusive

query-param-value-starts-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-starts-with-type

Description 'starts-with': query parameter value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-value-starts-with-type,query-param-value-equals-type, query-param-value-contains-type, and query-param-value-ends-with-type are mutually exclusive

seq-num

Description Specify a sequence number

Type: number

Range: 1-8192

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

url-contains-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-contains-type

Description 'contains': URL contains string;

Type: string

Supported Values: contains

Mutual Exclusion: url-contains-type,url-equals-type, url-starts-with-type, and url-ends-with-type are mutually exclusive

url-ends-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-ends-with-type

Description 'ends-with': URL ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: url-ends-with-type,url-equals-type, url-contains-type, and url-starts-with-type are mutually exclusive

url-equals-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-equals-type

Description 'equals': URL equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: url-equals-type,url-contains-type, url-starts-with-type, and url-ends-with-type are mutually exclusive

url-starts-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-starts-with-type

Description 'starts-with': URL starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: url-starts-with-type,url-equals-type, url-contains-type, and url-ends-with-type are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-policy-list_geo-location-match

Specification	Value
Type	*list*
Block object keys	

geo-location

Description Geolocation name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

geo-location-service-group

Description Service Group to be used (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

template_link-probe-list

Specification	Value
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *template_link-probe-list_destination*

Type: Object

Reference Object: */axapi/v3/slb/template/link-probe/{name}/destination*

disable

Description Disable Probe template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expected-status-code

Description Specify response code range (e.g. 200,400-430), default is 200 (Format is xx,xx-xx (xx between [100, 899]), default is 200)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: 200

name

Description probe template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

probe-interval

Description Time between each probe that needs to be sent out (in seconds, default is 5)

Type: number

Range: 1-7200

Default: 5

probes-per-test

Description Total number of probes to be sent out for each test

Type: number

Range: 1-10

Default: 5

rtt-method

Description 'http-rtt': Calculate Round Trip Time between HTTP request and response; 'tcp-srtt': Use TCP Smoothed round trip time in the HTTP connection;

Type: string

Supported Values: http-rtt, tcp-srtt

Default: http-rtt

selection-rule

Description 'threshold': Use all links below a threshold before selecting the fastest link; 'fastest-link-always': Always use the link with the lowest average latency;

Type: string

Supported Values: threshold, fastest-link-always

Default: fastest-link-always

test-interval

Description time interval between subsequent tests (in seconds, default is 60)

Type: number

Range: 1-7200

Default: 60

threshold-value

Description Use all links below a threshold before selecting the fastest link (RTT in milliseconds)

Type: number

Range: 0-65534

Default: 0

url

Description Specify URL to which probes should be sent out. Default is /

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: /

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_link-probe-list_destination

Specification	Value
Type	*object*

hostname

Description Target Hostname

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve the configured hostname; 'resolve-to-ipv6': Use AAAA Query only to resolve the configured hostname;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6

Mutual Exclusion: resolve-as, static-ipv4-addr, and static-ipv6-addr are mutually exclusive

static-ipv4-addr

Description Target IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: static-ipv4-addr, resolve-as, and static-ipv6-addr are mutually exclusive

static-ipv6-addr

Description Target IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: static-ipv6-addr, resolve-as, and static-ipv4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_client-ssl-list

Specification	Value
Type	*list*
Block object keys	

ad-group-list

Description Forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

auth-sg

Description Specify authorization LDAP service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: auth-sg and authen-name are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/service-group*

auth-sg-dn

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-sg-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

auth-username

Description Specify the Username Field in the Client Certificate(If multi-fields are specificed, prior one has higher priority)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username-attribute

Description Specify attribute name of username for client SSL authorization

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

authen-name

Description Specify authorization LDAP server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: authen-name and auth-sg are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/server/ldap*

authorization

Description Specify LDAP server for client SSL authorizaiton

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-cert-issuer-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-class-list-name and bypass-cert-issuer-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-issuer-multi-class-list

Type: List

bypass-cert-san-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-class-list-name and bypass-cert-san-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-san-multi-class-list

Type: List

bypass-cert-subject-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-class-list-name and bypass-cert-subject-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-subject-multi-class-list

Type: List

ca-certs

Type: List

cache-persistence-list-name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

case-insensitive

Description Case insensitive forward proxy bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

central-cert-pin-list

Description Forward proxy bypass if SNI string is contained in central updated cert-pinning-candidate list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-revoke-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

cert-unknown-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

certificate-issuer-contains-list

Type: List

certificate-issuer-ends-with-list

Type: List

certificate-issuer-equals-list

Type: List

certificate-issuer-starts-with-list

Type: List

certificate-list

Type: List

Reference Object: */axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}*

certificate-san-contains-list

Type: List

certificate-san-ends-with-list

Type: List

certificate-san-equals-list

Type: List

certificate-san-starts-with-list

Type: List

certificate-subject-contains-list

Type: List

certificate-subject-ends-with-list

Type: List

certificate-subject-equals-list

Type: List

certificate-subject-starts-with-list

Type: List

chain-cert

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert and chain-cert-shared-str are mutually exclusive

chain-cert-shared-str

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert-shared-str and chain-cert are mutually exclusive

cipher-without-prio-list

Type: List

class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: class-list-name and multi-clist-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

client-auth-case-insensitive

Description Case insensitive forward proxy client auth bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-auth-class-list

Description Forward proxy client auth bypass if SNI string matches class-list (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-contains-list

Type: List

client-auth-ends-with-list

Type: List

client-auth-equals-list

Type: List

client-auth-starts-with-list

Type: List

client-certificate

Description 'Ignore': Don't request client certificate; 'Require': Require client certificate; 'Request': Request client certificate;

Type: string

Supported Values: Ignore, Require, Request

Default: Ignore

client-ipv4-list

Type: List

client-ipv6-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

contains-list

Type: List

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

direct-client-server-auth

Description Let backend server does SSL client authentication directly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv3

Description Reject Client requests for SSL version 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ends-with-list

Type: List

equals-list

Type: List

exception-ad-group-list

Description Exceptions to forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-issuer-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-san-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-subject-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-client-ipv4-list

Type: List

exception-client-ipv6-list

Type: List

exception-server-ipv4-list

Type: List

exception-server-ipv6-list

Type: List

exception-sni-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-user-name-list

Description Exceptions to forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-web-category

Description: exception-web-category is a **JSON Block**. Please see below for *template_client-ssl-list_exception-web-category*

Type: Object

exception-web-reputation

Description: exception-web-reputation is a **JSON Block**. Please see below for *template_client-ssl-list_exception-web-reputation*

Type: Object

expire-hours

Description Certificate lifetime in hours

Type: number

Range: 1-168

forward-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: forward-encrypted and fp-ca-certificate are mutually exclusive

forward-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-passphrase and fp-ca-certificate are mutually exclusive

forward-proxy-alt-sign

Description Forward proxy alternate signing cert and key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-block-message

Description Message to be included on the block page (Message, enclose in quotes if spaces are present)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

forward-proxy-ca-cert

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-cert,fp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert, and fp-ca-certificate-shared are mutually exclusive

forward-proxy-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-key,fp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert, and fp-ca-certificate-shared are mutually exclusive

forward-proxy-cert-cache-limit

Description Certificate cache size limit, default is 524288 (set to 0 for unlimited size)

Type: number

Range: 0-2147483647

Default: 524288

forward-proxy-cert-cache-timeout

Description Certificate cache timeout, default is 1 hour (seconds, set to 0 for never timeout)

Type: number

Range: 0-2147483647

Default: 3600

forward-proxy-cert-expiry

Description Adjust certificate expiry relative to the time when it is created on the device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-cert-not-ready-action

Description 'bypass': bypass the connection; 'reset': reset the connection; 'intercept': wait for cert and then inspect the connection;

Type: string

Supported Values: bypass, reset, intercept

Default: bypass

forward-proxy-cert-revoke-action

Description Action taken if a certificate is irreversibly revoked, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-cert-unknown-action

Description Action taken if a certificate revocation status is unknown, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-crl-disable

Description Disable Certificate Revocation List checking for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-decrypted-dscp

Description Apply a DSCP to decrypted and bypassed traffic (DSCP to apply to decrypted traffic)

Type: number

Range: 1-63

forward-proxy-decrypted-dscp-bypass

Description DSCP to apply to bypassed traffic

Type: number

Range: 1-63

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward-proxy-enable and ssli-inbound-enable are mutually exclusive

forward-proxy-esni-action

Description Action taken if receiving encrypted server name indication extension in client hello MSG, bypass the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-failsafe-disable

Description Disable Failsafe for SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hash-persistence-interval

Description Set the time interval to save the hash persistence certs (Interval value, in minutes)

Type: number

Range: 1-720

Default: 30

forward-proxy-log-disable

Description Disable SSL forward proxy logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-no-shared-cipher-action

Description Action taken if handshake fails due to no shared ciper, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-no-sni-action

Description 'intercept': intercept in no SNI case; 'bypass': bypass in no SNI case; 'reset': reset in no SNI case;

Type: string

Supported Values: intercept, bypass, reset

Default: intercept

forward-proxy-ocsp-disable

Description Disable ocsp-stapling for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-require-sni-cert-matched

Description 'no-match-action-inspect': Inspected if not matched; 'no-match-action-drop': Dropped if not matched;

Type: string

Supported Values: no-match-action-inspect, no-match-action-drop

forward-proxy-selfsign-redir

Description Redirect connections to pages with self signed certs to a warning page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-ssl-version

Description TLS/SSL version, default is TLS1.2 (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 31-34

Default: 33

forward-proxy-trusted-ca-lists

Type: List

forward-proxy-verify-cert-fail-action

Description Action taken if certificate verification fails, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fp-alt-cert

Description CA Certificate for forward proxy alternate signing (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

fp-alt-key

Description CA Private Key for forward proxy alternate signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

fp-alt-shared

Description Alternate CA Certificate and Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-ca-certificate

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-certificate,forward-proxy-ca-cert, fp-ca-shared, forward-proxy-ca-key, forward-passphrase, forward-encrypted, and fp-ca-key-shared are mutually exclusive

fp-ca-certificate-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-certificate-shared, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-chain-cert, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: fp-ca-key-encrypted, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key-passphrase, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-key-shared and fp-ca-certificate are mutually exclusive

fp-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-shared and fp-ca-certificate are mutually exclusive

fp-cert-ext-aia-ca-issuers

Description CA Issuers (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ca-issuers and fp-cert-ext-aia-ocsp are mutually exclusive

fp-cert-ext-aia-ocsp

Description OCSP (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ocsp and fp-cert-ext-aia-ca-issuers are mutually exclusive

fp-cert-ext-crldp

Description CRL Distribution Point (CRL Distribution Point URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-cert-fetch-autonat

Description 'auto': Configure auto NAT for server certificate fetching;

Type: string

Supported Values: auto

Mutual Exclusion: fp-cert-fetch-autonat and fp-cert-fetch-natpool-name are mutually exclusive

fp-cert-fetch-autonat-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-cert-fetch-natpool-name

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-fetch-natpool-name, shared-partition-pool, and fp-cert-fetch-autonat are mutually exclusive

fp-cert-fetch-natpool-name-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

fp-cert-fetch-natpool-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-esni-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: bypass

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hsm-type

Description 'thales-embed': Thales embed key; 'thales-hwcrhk': Thales hwcrhk Key;

Type: string

Supported Values: thales-embed, thales-hwcrhk

inspect-certificate-issuer-cl-name

Description Forward proxy Inspect if Certificate issuer matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-certificate-san-cl-name

Description Forward proxy Inspect if Certificate Subject Alternative Name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-certificate-subject-cl-name

Description Forward proxy Inspect if Certificate Subject matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja3-enable

Description Enable JA3 features

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ja3-insert-http-header

Description Insert the JA3 hash into this request as a HTTP header (HTTP Header Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ja3-reject-class-list

Description Drop request if the JA3 hash matches this class-list (type string-case-insensitive) (Class-List Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja3-reject-max-number-per-host

Description Drop request if numbers of JA3 of this client address exceeded

Type: number

Range: 1-256

ja3-ttl

Description seconds to keep each JA3 record

Type: number

Range: 1-86400

Default: 600

ja4-enable

Description Enable JA4 features

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ja4-insert-http-header

Description Insert the JA4 hash into this request as a HTTP header (HTTP Header Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ja4-reject-class-list

Description Drop request if the JA4 hash matches this class-list (type string-case-insensitive) (Class-List Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja4-reject-max-number-per-host

Description Drop request if numbers of JA4 of this client address exceeded

Type: number

Range: 1-256

ja4-ttl

Description seconds to keep each JA4 record

Type: number

Range: 1-86400

Default: 600

ldap-base-dn-from-cert

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-search-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

local-cert-pin-list

Description: local-cert-pin-list is a **JSON Block**. Please see below for *template_client-ssl-list_local-cert-pin-list*

Type: Object

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-class-list

Type: List

name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-anti-replay

Description Disable anti-replay protection for TLS 1.3 early data (0-RTT data)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-shared-cipher-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: drop

non-ssl-bypass-l4session

Description Handle the non-ssl session as L4 for performance optimization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-bypass-service-group

Description Service Group for Bypass non-ssl traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

notafter

Description notAfter date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notafterday

Description Day

Type: number

Range: 1-31

notaftermonth

Description Month

Type: number

Range: 1-12

notafteryear

Description Year

Type: number

Range: 2005-2035

notbefore

Description notBefore date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notbeforeday

Description Day

Type: number

Range: 1-31

notbeforemonth

Description Month

Type: number

Range: 1-12

notbeforeyear

Description Year

Type: number

Range: 2005-2035

ocsp-stapling

Description Config OCSP stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-ca-cert

Description CA certificate

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ocspst-ocsp

Description Specify OCSP Authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-sg

Description Specify authentication service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-sg and ocspst-srvr are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/service-group*

ocspst-sg-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-sg-days, ocspst-sg-hours, and ocspst-sg-minutes are mutually exclusive

ocspst-sg-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-sg-hours, ocspst-sg-days, and ocspst-sg-minutes are mutually exclusive

ocspst-sg-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-sg-minutes, ocspst-sg-days, and ocspst-sg-hours are mutually exclusive

ocspst-sg-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

ocspst-srvr

Description Specify OCSP authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-srvr and ocspst-sg are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/server/ocsp*

ocspst-srvr-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-srvr-days, ocspst-srvr-hours, and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-srvr-hours, ocspst-srvr-days, and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-srvr-minutes, ocspst-srvr-days, and ocspst-srvr-hours are mutually exclusive

ocspst-srvr-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-ca-lists

Type: List

require-sni-cert-matched

Description SNI is required to match configured certificate subject or SAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

require-web-category

Description Wait for web category to be resolved before taking bypass decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

server-ipv4-list

Type: List

server-ipv6-list

Type: List

server-name-auto-map

Description Enable automatic mapping of server name indication in Client hello extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-list

Type: List

session-cache-size

Description Session Cache Size (Maximum cache size. Default value 0 (Session ID reuse disabled))

Type: number

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds. Default value 0 (Session cache timeout disabled))

Type: number

Range: 0-604800

Default: 0

session-key-logging-enable

Description Enable SSL session key logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-disable

Description Disable client side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-lifetime

Description Session ticket lifetime in seconds from stateless session resumption (Lifetime value in seconds. Default value 0 (Session ticket lifetime is 7200 seconds))

Type: number

Range: 0-2147483647

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template, template-cipher, and cipher-wo-prio are mutually exclusive

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and fp-cert-fetch-natpool-name are mutually exclusive

sni-bypass-enable-log

Description Enable logging when bypass event happens, disabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-expired-cert

Description Bypass when certificate expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-explicit-list

Description Bypass when matched explicit bypass list (Specify class list name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

sni-bypass-missing-cert

Description Bypass when missing cert/key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-enable-log

Description Enable logging of sni-auto-map failures. Disable by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-false-start-disable

Description disable SSL False Start

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-inbound-enable

Description Enable inbound SSLi

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ssli-inbound-enable and forward-proxy-enable are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

sslv2-bypass-service-group

Description Service Group for Bypass SSLV2 (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

starts-with-list

Type: List

template-cipher

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cipher, shared-partition-cipher-template, and cipher-wo-prio are mutually exclusive

Reference Object: */axapi/v3/slb/template/cipher*

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cipher*

template-hsm

Description HSM Template (HSM Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/hsm/template*

user-name-list

Description Forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-cert-fail-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: drop

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 1-34

web-category

Description: web-category is a **JSON Block**. Please see below for *template_client-ssl-list_web-category*

Type: Object

web-reputation

Description: web-reputation is a **JSON Block**. Please see below for *template_client-ssl-list_web-reputation*

Type: Object

template_client-ssl-list_bypass-cert-subject-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-subject-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-multi-class-list-name and bypass-cert-subject-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_certificate-san-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-contains

Description Forward proxy bypass if Certificate SAN contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_equals-list

Specification	Value
Type	*list*
Block object keys	

equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_client-ipv6-list

Specification	Value
Type	*list*
Block object keys	

client-ipv6-list-name

Description IPV6 client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_forward-proxy-trusted-ca-lists

Specification	Value
Type	*list*
Block object keys	

forward-proxy-trusted-ca

Description Forward proxy trusted CA file (CA file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-trusted-ca-shared

Description Trusted CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_client-ssl-list_ec-list

Specification	Value
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1, secp521r1, x25519

template_client-ssl-list_contains-list

Specification	Value
Type	*list*
Block object keys	

contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_ends-with-list

Specification	Value
Type	*list*
Block object keys	

ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_ca-certs

Specification	Value
Type	*list*
Block object keys	

ca-cert

Description CA Certificate (CA Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp

Description Specify ocsp authentication server(s) for client certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/service-group*

client-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/server/ocsp/instance*

template_client-ssl-list_client-auth-contains-list

Specification	Value
Type	*list*
Block object keys	

client-auth-contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-subject-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-contains

Description Forward proxy bypass if Certificate Subject contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_req-ca-lists

Specification	Value
Type	*list*
Block object keys	

client-cert-req-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-certificate-Request-CA

Description Send CA lists in certificate request (CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-subject-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-starts

Description Forward proxy bypass if Certificate Subject starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_web-reputation

Specification	Value
Type	*object*

bypass-low-risk

Description Bypass when reputation score is greater than or equal to 61

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-low-risk,bypass-trustworthy, bypass-moderate-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-malicious

Description Bypass when reputation score is greater than or equal to 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-malicious,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious, and bypass-threshold are mutually exclusive

bypass-moderate-risk

Description Bypass when reputation score is greater than or equal to 41

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-moderate-risk,bypass-trustworthy, bypass-low-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-suspicious

Description Bypass when reputation score is greater than or equal to 21

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-suspicious,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-threshold

Description Bypass when reputation score is greater than or equal to the customized score (1-100)

Type: number

Range: 1-100

Mutual Exclusion: bypass-threshold,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious, and bypass-malicious are mutually exclusive

bypass-trustworthy

Description Bypass when reputation score is greater than or equal to 81

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-trustworthy,bypass-low-risk, bypass-moderate-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

template_client-ssl-list_bypass-cert-issuer-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-issuer-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-multi-class-list-name and bypass-cert-issuer-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_client-auth-equals-list

Specification	Value
Type	*list*
Block object keys	

client-auth-equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-issuer-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-equals

Description Forward proxy bypass if Certificate issuer equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-san-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-ends-with

Description Forward proxy bypass if Certificate SAN ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_crl-certs

Specification	Value
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_client-ssl-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'real-estate': real estate category; 'computer-and-internet-security': computer and internet security category; 'financial-services': financial services category; 'business-and-economy': business and economy category; 'computer-and-internet-info': computer and internet info category; 'auctions': auctions category; 'shopping': shopping category; 'cult-and-occult': cult and occult category; 'travel': travel category; 'drugs': drugs category; 'adult-and-pornography': adult and pornography category; 'home-and-garden': home and garden category; 'military': military category; 'social-network': social network category; 'dead-sites': dead sites category; 'stock-advice-and-tools': stock advice and tools category; 'training-and-tools': training and tools category; 'dating': dating category; 'sex-education': sex education category; 'religion': religion category; 'entertainment-and-arts': entertainment and arts category; 'personal-sites-and-blogs': personal sites and blogs category; 'legal': legal category; 'local-information': local information category; 'streaming-media': streaming media category;

'job-search': job search category; 'gambling': gambling category; 'translation': translation category; 'reference-and-research': reference and research category; 'shareware-and-freeware': shareware and freeware category; 'peer-to-peer': peer to peer category; 'marijuana': marijuana category; 'hacking': hacking category; 'games': games category; 'philosophy-and-politics': philosophy and politics category; 'weapons': weapons category; 'pay-to-surf': pay to surf category; 'hunting-and-fishing': hunting and fishing category; 'society': society category; 'educational-institutions': educational institutions category; 'online-greeting-cards': online greeting cards category; 'sports': sports category; 'swimsuits-and-intimate-apparel': swimsuits and intimate apparel category; 'questionable': questionable category; 'kids': kids category; 'hate-and-racism': hate and racism category; 'personal-storage': personal storage category; 'violence': violence category; 'keyloggers-and-monitoring': keyloggers and monitoring category; 'search-engines': search engines category; 'internet-portals': internet portals category; 'web-advertisements': web advertisements category; 'cheating': cheating category; 'gross': gross category; 'web-based-email': web based email category; 'malware-sites': malware sites category; 'phishing-and-other-fraud': phishing and other fraud category; 'proxy-avoid-and-anonymizers': proxy avoid and anonymizers category; 'spyware-and-adware': spyware and adware category; 'music': music category; 'government': government category; 'nudity': nudity category; 'news-and-media': news and media category; 'illegal': illegal category; 'CDNs': content delivery networks category; 'internet-communications': internet communications category; 'bot-nets': bot nets category; 'abortion': abortion category; 'health-and-medicine': health and medicine category; 'confirmed-SPAM-sources': confirmed SPAM sources category; 'SPAM-URLs': SPAM URLs category; 'unconfirmed-SPAM-sources': unconfirmed SPAM sources category; 'open-HTTP-proxies': open HTTP proxies category; 'dynamically-generated-content': dynamically generated content category; 'parked-domains': parked domains category; 'alcohol-and-tobacco': alcohol and tobacco category; 'private-IP-addresses': private IP addresses category; 'image-and-video-search': image and video search category; 'fashion-and-beauty': fashion and beauty category; 'recreation-and-hobbies': recreation and hobbies category; 'motor-vehicles': motor vehicles category; 'web-hosting-sites': web hosting sites category; 'food-and-dining': food and dining category; 'dummy-item': dummy item category; 'self-harm': self harm category; 'dns-over-https': dns over https category; 'low-thc-cannabis-products': low-thc cannabis products; 'generative-ai': generative ai category; 'nudity-artistic': artistic nudity; 'illegal-pornography': illegal pornography eg. child sexual abuse; 'uncategorised': uncategorised; 'other-category': other category; 'trustworthy': Trustworthy level(81-100); 'low-risk': Low-risk level(61-80); 'moderate-risk': Moderate-risk level(41-60); 'suspicious': Suspicious level(21-40); 'malicious': Malicious level(1-20);

Type: string

Supported Values: all, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, CDNs, internet-communications, bot-nets, abortion, health-and-medicine, confirmed-SPAM-sources, SPAM-URLs, unconfirmed-SPAM-sources, open-HTTP-proxies, dynamically-generated-content, parked-domains, alcohol-and-tobacco, private-IP-addresses, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, food-and-dining, dummy-item, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-

artistic, illegal-pornography, uncategorised, other-category, trustworthy, low-risk, moderate-risk, suspicious, malicious

template_client-ssl-list_certificate-list

Specification	Value
Type	*list*
Block object keys	

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key

Description Server Private Key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description Server Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_client-ssl-list_client-ipv4-list

Specification	Value
Type	*list*
Block object keys	

client-ipv4-list-name

Description IPV4 client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_multi-class-list

Specification	Value
Type	*list*
Block object keys	

multi-clist-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: multi-clist-name and class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_certificate-issuer-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-ends-with

Description Forward proxy bypass if Certificate issuer ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_exception-server-ipv4-list

Specification	Value
Type	*list*
Block object keys	

exception-server-ipv4-list-name

Description IPV4 exception server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_web-category

Specification	Value
Type	*object*

bypassed-category

Description 'uncategorized': Uncategorized URLs; 'real-estate': Category Real Estate; 'computer-and-internet-security': Category Computer and Internet Security; 'financial-services': Category Financial Services; 'business-and-economy': Category Business and Economy; 'computer-and-internet-info': Category Computer and Internet Info; 'auctions': Category Auctions; 'shopping': Category Shopping; 'cult-and-occult': Category Cult and Occult; 'travel': Category Travel; 'drugs': Category Abused Drugs; 'adult-and-pornography': Category Adult and Pornography; 'home-and-garden': Category Home and Garden; 'military': Category Military; 'social-network': Category Social Network; 'dead-sites': Category Dead Sites (db Ops only); 'stock-advice-and-tools': Category Stock Advice and Tools; 'training-and-tools': Category Training and Tools; 'dating': Category Dating; 'sex-education': Category

Sex Education; 'religion': Category Religion; 'entertainment-and-arts': Category Entertainment and Arts; 'personal-sites-and-blogs': Category Personal sites and Blogs; 'legal': Category Legal; 'local-information': Category Local Information; 'streaming-media': Category Streaming Media; 'job-search': Category Job Search; 'gambling': Category Gambling; 'translation': Category Translation; 'reference-and-research': Category Reference and Research; 'shareware-and-freeware': Category Shareware and Freeware; 'peer-to-peer': Category Peer to Peer; 'marijuana': Category Marijuana; 'hacking': Category Hacking; 'games': Category Games; 'philosophy-and-politics': Category Philosophy and Political Advocacy; 'weapons': Category Weapons; 'pay-to-surf': Category Pay to Surf; 'hunting-and-fishing': Category Hunting and Fishing; 'society': Category Society; 'educational-institutions': Category Educational Institutions; 'online-greeting-cards': Category Online Greeting cards; 'sports': Category Sports; 'swimsuits-and-intimate-apparel': Category Swimsuits and Intimate Apparel; 'questionable': Category Questionable; 'kids': Category Kids; 'hate-and-racism': Category Hate and Racism; 'personal-storage': Category Personal Storage; 'violence': Category Violence; 'keyloggers-and-monitoring': Category Keyloggers and Monitoring; 'search-engines': Category Search Engines; 'internet-portals': Category Internet Portals; 'web-advertisements': Category Web Advertisements; 'cheating': Category Cheating; 'gross': Category Gross; 'web-based-email': Category Web based email; 'malware-sites': Category Malware Sites; 'phishing-and-other-fraud': Category Phishing and Other Frauds; 'proxy-avoid-and-anonymizers': Category Proxy Avoid and Anonymizers; 'spyware-and-adware': Category Spyware and Adware; 'music': Category Music; 'government': Category Government; 'nudity': Category Nudity; 'news-and-media': Category News and Media; 'illegal': Category Illegal; 'cdns': Category CDNs; 'internet-communications': Category Internet Communications; 'bot-nets': Category Bot Nets; 'abortion': Category Abortion; 'health-and-medicine': Category Health and Medicine; 'spam-urls': Category SPAM URLs; 'dynamically-generated-content': Category Dynamically Generated Content; 'parked-domains': Category Parked Domains; 'alcohol-and-tobacco': Category Alcohol and Tobacco; 'image-and-video-search': Category Image and Video Search; 'fashion-and-beauty': Category Fashion and Beauty; 'recreation-and-hobbies': Category Recreation and Hobbies; 'motor-vehicles': Category Motor Vehicles; 'web-hosting-sites': Category Web Hosting Sites; 'self-harm': Category Self Harm; 'dns-over-https': Category DNS over HTTPs; 'low-thc-cannabis-products': Category Low-THC Cannabis Products; 'generative-ai': Category Generative AI; 'nudity-artistic': Category Artistic Nudity; 'illegal-pornography': Category Illegal Pornography eg. Child Sexual Abuse;

Type: string

Supported Values: uncategorized, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, cdns, internet-communications, bot-nets, abortion, health-and-medicine, spam-urls, dynamically-generated-content, parked-domains, alcohol-and-tobacco, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-artistic, illegal-pornography

template_client-ssl-list_certificate-san-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-equals

Description Forward proxy bypass if Certificate SAN equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_exception-client-ipv4-list

Specification	Value
Type	*list*
Block object keys	

exception-client-ipv4-list-name

Description IPV4 exception client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_certificate-issuer-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-contains

Description Forward proxy bypass if Certificate issuer contains another string (Certificate issuer)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_client-auth-starts-with-list

Specification	Value
Type	*list*
Block object keys	

client-auth-starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-subject-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-ends-with

Description Forward proxy bypass if Certificate Subject ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_bypass-cert-san-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-san-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-multi-class-list-name and bypass-cert-san-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_server-name-list

Specification	Value
Type	*list*
Block object keys	

server-cert

Description Server Certificate associated to SNI (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-cert-regex

Description Server Certificate associated to SNI regex (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-chain

Description Server Certificate Chain associated to SNI (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-chain-regex

Description Server Certificate Chain associated to SNI regex (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-encrypted-regex

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-key

Description Server Private Key associated to SNI (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-key-regex

Description Server Private Key associated to SNI regex (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-name

Description Server name indication in Client hello extension (Server name String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-regex

Description Server name indication in Client hello extension with regular expression (Server name String with regex)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-regex-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-passphrase

Description help Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

server-passphrase-regex

Description help Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

server-shared

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-shared-regex

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-template

Description Template associated to SNI regex

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-regex-template-client-ssl-shared-name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-template

Description Template associated to SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-template-client-ssl-shared-name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

template_client-ssl-list_exception-web-category

Specification	Value
Type	*object*

exception-category

Description 'uncategorized': Uncategorized URLs; 'real-estate': Category Real Estate; 'computer-and-internet-security': Category Computer and Internet Security; 'financial-services': Category Financial Services; 'business-and-economy': Category Business and Economy; 'computer-and-internet-info': Category Computer and Internet Info; 'auctions': Category Auctions; 'shopping': Category Shopping; 'cult-and-occult': Category Cult and Occult; 'travel': Category Travel; 'drugs': Category Abused Drugs; 'adult-and-pornography': Category Adult and Pornography; 'home-and-garden': Category Home and Garden; 'military': Category Military; 'social-network': Category Social Network; 'dead-sites': Category Dead Sites (db Ops only); 'stock-advice-and-tools': Category Stock Advice and Tools; 'training-and-tools': Category Training and Tools; 'dating': Category Dating; 'sex-education': Category Sex Education; 'religion': Category Religion; 'entertainment-and-arts': Category Entertainment and Arts; 'personal-sites-and-blogs': Category Personal sites and Blogs; 'legal': Category Legal; 'local-information': Category Local Information; 'streaming-media': Category Streaming Media; 'job-search': Category Job Search; 'gambling': Category Gambling; 'translation': Category Translation; 'reference-and-research': Category Reference and Research; 'shareware-and-freeware': Category Shareware and Freeware; 'peer-to-peer': Category Peer to Peer; 'marijuana': Category Marijuana; 'hacking': Category Hacking; 'games': Category Games; 'philosophy-and-politics': Category Philosophy and Political Advocacy; 'weapons': Category Weapons; 'pay-to-surf': Category Pay to Surf; 'hunting-and-fishing': Category Hunting and Fishing; 'society': Category Society; 'educational-institutions': Category Educational Institutions; 'online-greeting-cards': Category Online Greeting cards; 'sports': Category Sports; 'swimsuits-and-intimate-apparel': Category Swimsuits and Intimate Apparel; 'questionable': Category Questionable; 'kids': Category Kids; 'hate-and-racism': Category Hate and Racism; 'personal-storage': Category Personal Storage; 'violence': Category Violence; 'keyloggers-and-monitoring': Category Keyloggers and Monitoring; 'search-engines': Category Search Engines; 'internet-portals': Category Internet Portals; 'web-advertisements': Category Web Advertisements; 'cheating': Category Cheating; 'gross': Category Gross; 'web-based-email': Category Web based email; 'malware-sites': Category Malware Sites; 'phishing-and-other-fraud': Category Phishing and Other Frauds; 'proxy-avoid-and-anonymizers': Category Proxy Avoid and Anonymizers; 'spyware-and-adware': Category Spyware and Adware; 'music': Category Music; 'government': Category Government; 'nudity': Category Nudity; 'news-and-media': Category News and Media; 'illegal': Category Illegal; 'cdns': Category CDNs; 'internet-communications': Category Internet Communications; 'bot-nets': Category Bot Nets; 'abortion': Category Abortion; 'health-and-medicine': Category Health and Medicine; 'spam-urls': Category SPAM URLs; 'dynamically-generated-content': Category Dynamically Generated Content; 'parked-domains': Category Parked Domains; 'alcohol-and-tobacco': Category Alcohol and Tobacco; 'image-and-video-search': Category Image and Video Search; 'fashion-and-beauty': Category Fashion and Beauty; 'recreation-and-hobbies': Category Recreation and Hobbies; 'motor-vehicles': Category Motor Vehicles; 'web-hosting-sites': Category Web Hosting Sites; 'self-harm': Category Self Harm; 'dns-over-https': Category DNS over HTTPs; 'low-thc-cannabis-products': Category Low-THC Cannabis Products; 'generative-ai': Category Generative AI; 'nudity-artistic': Category Artistic Nudity; 'illegal-pornography': Category Illegal Pornography eg. Child Sexual Abuse;

Type: string

Supported Values: uncategorized, real-estate, computer-and-internet-security, financial-

services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, cdns, internet-communications, botnets, abortion, health-and-medicine, spam-urls, dynamically-generated-content, parked-domains, alcohol-and-tobacco, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-artistic, illegal-pornography

template_client-ssl-list_exception-server-ipv6-list

Specification	Value
Type	*list*
Block object keys	

exception-server-ipv6-list-name

Description IPV6 exception server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_certificate-issuer-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-starts

Description Forward proxy bypass if Certificate issuer starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_certificate-san-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-starts

Description Forward proxy bypass if Certificate SAN starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_server-ipv4-list

Specification	Value
Type	*list*
Block object keys	

server-ipv4-list-name

Description IPV4 server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_client-auth-ends-with-list

Specification	Value
Type	*list*
Block object keys	

client-auth-ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_exception-client-ipv6-list

Specification	Value
Type	*list*
Block object keys	

exception-client-ipv6-list-name

Description IPV6 exception client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_exception-web-reputation

Specification	Value
Type	*object*

exception-low-risk

Description Intercept when reputation score is less than or equal to 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-low-risk,exception-trustworthy, exception-moderate-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

exception-malicious

Description Intercept when reputation score is less than or equal to 20

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-malicious,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious, and exception-threshold are mutually exclusive

exception-moderate-risk

Description Intercept when reputation score is less than or equal to 60

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-moderate-risk,exception-trustworthy, exception-low-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

exception-suspicious

Description Intercept when reputation score is less than or equal to 40

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-suspicious,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-malicious, and exception-threshold are mutually exclusive

exception-threshold

Description Intercept when reputation score is less than or equal to a customized value (1-100)

Type: number

Range: 1-100

Mutual Exclusion: exception-threshold,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious, and exception-malicious are mutually exclusive

exception-trustworthy

Description Intercept when reputation score is less than or equal to 100

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-trustworthy,exception-low-risk, exception-moderate-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

template_client-ssl-list_local-cert-pin-list

Specification	Value
Type	*object*

local-cert-pin-list-bypass-fail-count

Description Set the connection fail count as bypass criteria (Bypass when connection failure count is greater than the criteria (1-65536))

Type: number

Range: 1-65536

template_client-ssl-list_server-ipv6-list

Specification	Value
Type	*list*
Block object keys	

server-ipv6-list-name

Description IPV6 server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_client-ssl-list_certificate-subject-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-equals

Description Forward proxy bypass if Certificate Subject equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_client-ssl-list_cipher-without-prio-list

Specification	Value
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256

(0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA (0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio, template-cipher, and shared-partition-cipher-template are mutually exclusive

template_client-ssl-list_starts-with-list

Specification	Value
Type	*list*
Block object keys	

starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_quic-list

Specification	Value
Type	*list*
Block object keys	

burst-len

Description Number of burst packet, default 16

Type: number

Range: 16-360

connection-id-length

Description Connection id length in byte, default 8 bytes

Type: number

Range: 1-20

idle-timeout

Description Idle Timeout (interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-3600

initial-wnd

Description Initial window size in byte, default 10000 (Initial window size, default 10000)

Type: number

Range: 10000-100000

key-update-to-client

Description Initiate key update on the client-side

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-update-to-server

Description Initiate key update on the server-side

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description QUIC Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

receive-buffer

Description Receive buffer size in byte, default 200000 (Receive buffer size, default 200000)

Type: number

Range: 30000-400000

server-retry

Description Enable server retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_link-block-as-down

Specification	Value
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dynamic-service-list

Specification	Value
Type	*list*
Block object keys	

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/dynamic-service/{name}/class-list/{dns-class-list}*

dns-server

Type: List

name

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dynamic-service-list_dns-server

Specification	Value
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

template_dynamic-service-list_class-list-list

Specification	Value
Type	*list*
Block object keys	

dns-class-list

Description Name of Aho-Corasick class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dns-server

Type: List

priority

Description Priority of the class-list(the larger number, the higher priority)

Type: number

Range: 1-64

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dynamic-service-list_class-list-list_dns-server

Specification	Value
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

template_dblb-list

Specification	Value
Type	*list*
Block object keys	

calc-sha1

Description: calc-sha1 is a **JSON Block**. Please see below for *template_dblb-list_calc-sha1*

Type: Object

Reference Object: */axapi/v3/slb/template/dblb/{name}/calc-sha1*

class-list

Description Specify user/password string class list (Class list name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description DBLB template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-version

Description 'MSSQL2008': MSSQL server 2008 or 2008 R2; 'MSSQL2012': MSSQL server 2012; 'MySQL': MySQL server (any version);

Type: string

Supported Values: MSSQL2008, MSSQL2012, MySQL

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dblb-list_calc-sha1

Specification	Value
Type	*object*

sha1-value

Description Cleartext password

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

template_fix-list

Specification	Value
Type	*list*
Block object keys	

insert-client-ip

Description Insert client ip to tag 11447

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tag-switching

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_fix-list_tag-switching

Specification	Value
Type	*list*
Block object keys	

equals

Description Equals (Tag String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

switching-type

Description 'sender-comp-id': Select service group based on SenderCompID; 'target-comp-id': Select service group based on TargetCompID;

Type: string

Supported Values: sender-comp-id, target-comp-id

template_persist

Specification	Value
Type	*object*

cookie-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/cookie/{name}*

destination-ip-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/destination-ip/{name}*

source-ip-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/source-ip/{name}*

ssl-sid-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/ssl-sid/{name}*

template_persist_destination-ip-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of destination IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Destination IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_persist_source-ip-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-higher-priority

Description Enforce to use high priority node if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of source IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-dst-ip

Description Include destination IP on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-sport

Description Include source port on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Source IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

primary-port

Description Primary port to create the persist session

Type: number

Range: 1-65534

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-4321

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_persist_cookie-list

Specification	Value
Type	*list*
Block object keys	

cookie-name

Description Set cookie name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: sto-id

domain

Description Set cookie domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypt-level

Description Encryption level for cookie name / value

Type: number

Range: 0-1

Default: 1

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

expire

Description Set cookie expiration time (Expiration in seconds)

Type: number

Range: 0-31536000

Default: 31536000

httponly

Description Enable HttpOnly attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-always

Description Insert persist cookie to every reponse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persist for server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pass-phrase

Description Set passphrase for encryption

Type: string

Format: password

Maximum Length: 8 characters

Maximum Length: 8 characters

Default: ACOS4KEY

pass-thru

Description Pass thru mode - Server sends the persist cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

path

Description Set cookie path (Cookie path, default is "/")

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: /

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute;

Type: string

Supported Values: host, secure

samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

scan-all-members

Description Persist within the same server SCAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure

Description Enable secure attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

server-service-group

Description Persist to the same server and within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

use-attribute

Description 'max-age': Use the Max-Age attribute; 'expires': Use the Expires attribute; 'all': Use all attributes;

Type: string

Supported Values: max-age, expires, all

Default: expires

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_persist_ssl-sid-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SSL session ID persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_doh-list

Specification	Value
Type	*list*
Block object keys	

conn-reuse

Description 'enable': Enable Connection Reuse; 'disable': Disable Connection-Reuse (Default);

Type: string

Supported Values: enable, disable

Default: disable

dns

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dns and shared-partition-dns-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dns*

dns-retry

Description: dns-retry is a **JSON Block**. Please see below for *template_doh-list_dns-retry*

Type: Object

Reference Object: */axapi/v3/slb/template/doh/{name}/dns-retry*

forwarder

Description: forwarder is a **JSON Block**. Please see below for *template_doh-list_forwarder*

Type: Object

Reference Object: */axapi/v3/slb/template/doh/{name}/forwarder*

name

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-dns-request

Description 'allow': Forward Non-DoH request to http server bound to vport; 'reject': Reject Non-DoH requests with HTTP 400 Bad Request (Default);

Type: string

Supported Values: allow, reject

Default: reject

reject-status-code

Description '400': Status Code 400 BAD Request (Default); '500': Status Code 500 Internal Server Error; '501': Status Code 501 Not Implemented;

Type: string

Supported Values: 400, 500, 501

Default: 400

shared-partition-dns-template

Description Reference a DNS template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and dns are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

snat-pool

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

source-nat

Description 'auto': Perform Source NAT Auto for service-group(Default) (Not supported with forwarding-ip); 'disable': Don't perform source-nat for server side DNS queries; 'pool': Perform Source NAT with specific pool;

Type: string

Supported Values: auto, disable, pool

Default: auto

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-dns-shared

Description DNS Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_doh-list_forwarder

Specification	Value
Type	*object*

bypass-doh

Description Forward valid DoH HTTP request as is, no DNS packet extraction (Bypass DoH)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-doh,forwarding-ipv4, forwarding-ipv6, tcp-service-group, and udp-service-group are mutually exclusive

forwarding-ipv4

Description SLB VIP IPv4 address to forward DOH query (IP address)

Type: string

Format: ipv4-address

Mutual Exclusion: forwarding-ipv4,forwarding-ipv6, tcp-service-group, udp-service-group, and bypass-doh are mutually exclusive

forwarding-ipv6

Description SLB VIP IPv6 address to forward DOH query (IP address)

Type: string

Format: ipv6-address

Mutual Exclusion: forwarding-ipv6,forwarding-ipv4, tcp-service-group, udp-service-group, and bypass-doh are mutually exclusive

tcp-service-group

Description Bind a TCP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-service-group,forwarding-ipv4, forwarding-ipv6, and bypass-doh are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

udp-service-group

Description Bind a UDP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: udp-service-group,forwarding-ipv4, forwarding-ipv6, and bypass-doh are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v4-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v4-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

v6-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v6-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

template_doh-list_dns-retry

Specification	Value
Type	*object*

after-timeout

Description 'close': Close client side connection; 'retry-with-tcp': Retry DNS query to server using TCP (If UDP was tried initially. Close after.);

Type: string

Supported Values: close, retry-with-tcp

Default: close

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_sip-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 100-199

Mutual Exclusion: acl-id and acl-name-value are mutually exclusive

acl-name-value

Description IPv4 Access List Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-value and acl-id are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

alg-dest-nat

Description Translate VIP to real server IP in SIP message when destination NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alg-source-nat

Description Translate source IP to NAT IP in SIP message when source NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

call-id-persist-disable

Description Disable call-ID persistence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-keep-alive

Description Respond client keep-alive packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header

Type: List

client-response-header

Type: List

dialog-aware

Description Permit system processes dialog session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-when-client-fail

Description Drop current SIP message when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-client-fail and failed-client-selection-message are mutually exclusive

drop-when-server-fail

Description Drop current SIP message when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-server-fail and failed-server-selection-message are mutually exclusive

exclude-translation

Type: List

failed-client-selection

Description Define action when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-client-selection-message

Description Send SIP message (includs status code) to server when select client fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-client-selection-message and drop-when-client-fail are mutually exclusive

failed-server-selection

Description Define action when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-server-selection-message

Description Send SIP message (includs status code) to client when select server fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-server-selection-message and drop-when-server-fail are mutually exclusive

insert-client-ip

Description Insert Client IP address into SIP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description The interval of keep-alive packet for each persist connection (second)

Type: number

Range: 5-300

Default: 30

keep-server-ip-if-match-acl

Description Use Real Server IP for addresses matching the ACL for a Call-Id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pstn-gw

Description configure pstn gw host name for tel: uri translate to sip: uri (Hostname String, default is "pstn")

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: pstn

server-keep-alive

Description Send server keep-alive packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header

Type: List

server-response-header

Type: List

server-selection-per-request

Description Force server selection on every SIP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

smp-call-id-rtp-session

Description Create the across cpu call-id rtp session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Time in minutes

Type: number

Range: 1-250

Default: 30

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_sip-list_server-request-header

Specification	Value
Type	*list*
Block object keys	

insert-condition-server-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-request-header-insert

Description Insert a SIP header (Header Content (Format: "name:value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template_sip-list_server-response-header

Specification	Value
Type	*list*
Block object keys	

insert-condition-server-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-response-header-insert

Description Insert a SIP header (Header Content (Format: "name:value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template_sip-list_client-request-header

Specification	Value
Type	*list*
Block object keys	

client-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-request-header-insert

Description Insert a SIP header (Header Content (Format: “name:value”))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-request

Description ‘insert-if-not-exist’: Only insert the header when it does not exist; ‘insert-always’: Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

template_sip-list_client-response-header

Specification	Value
Type	*list*
Block object keys	

client-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-response-header-insert

Description Insert a SIP header (Header Content (Format: “name:value”))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-response

Description ‘insert-if-not-exist’: Only insert the header when it does not exist; ‘insert-always’: Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

template_sip-list_exclude-translation

Specification	Value
Type	*list*
Block object keys	

header-string

Description SIP header name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

translation-value

Description 'start-line': SIP request line or status line; 'header': SIP message headers; 'body': SIP message body;

Type: string

Supported Values: start-line, header, body

template_respmod-icap-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 0 - 65535, default is 0

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_respmod-icap-list_bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass respmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

template_virtual-server-list

Specification	Value
Type	*list*
Block object keys	

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-when-all-ports-down

Description Disable Virtual Server when all member ports are down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-all-ports-down and disable-when-any-port-down are mutually exclusive

disable-when-any-port-down

Description Disable Virtual Server when any member port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-any-port-down and disable-when-all-ports-down are mutually exclusive

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-rate-limit

Description ICMP rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-rate-limit

Description ICMPv6 rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

name

Description Virtual server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

subnet-gratuitous-arp

Description Send gratuitous ARP for every IP in the subnet virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-stack-tfo-active-conn-limit

Description The allowed active layer 7 tcp fast-open connection limit, default is zero (number)

Type: number

Range: 0-10000

Default: 0

tcp-stack-tfo-backoff-time

Description The time tcp stack will wait before allowing new fast-open requests after security condition, default 600 seconds (number)

Type: number

Range: 1-14400

Default: 600

tcp-stack-tfo-cookie-time-limit

Description The time limit (in seconds) that a layer 7 tcp fast-open cookie is valid, default is 60 seconds (number)

Type: number

Range: 1-14400

Default: 60

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_client-ssh-list

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hostkey

Description Specify private-key (Key Name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

name

Description Client SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_ssli-list

Specification	Value
Type	*list*
Block object keys	

name

Description SSLi Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'http': HTTP service; 'xmpp': XMPP service; 'smtp': SMTP service; 'pop': POP service; 'ldap': LDAP service; 'ftp': FTP service;

Type: string

Supported Values: http, xmpp, smtp, pop, ldap, ftp

Default: http

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_server-ssh-list

Specification	Value
Type	*list*
Block object keys	

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list

Specification	Value
Type	*list*
Block object keys	

add-padding-to-client

Description 'block-length': Block-Length Padding; 'random-block-length': Random-Block-Length Padding;

Type: string

Supported Values: block-length, random-block-length

cache-hitcount-enable

Description Enable DNS cache entry hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-record-serving-policy

Description 'global': Follow global cofiguration (Default); 'no-change': No change in record order; 'round-robin': Round-robin;

Type: string

Supported Values: global, no-change, round-robin

cache-ttl-adjustment-enable

Description enable the ttl adjustment for dns cache response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

category-lookup-bypass

Description DNS type class-lists for bypassing category lookup

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

category-lookup-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/category-lookup/{category-name}*

category-lookup-online-lookup

Description Enable online webroot lookup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

class-list

Description: class-list is a **JSON Block**. Please see below for *template_dns-list_class-list*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-ra-cached-resp

Description Disable DNS recursive available flag in cached response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-rpz-attach-soa

Description Disable attaching SOA due to RPZ

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cookie-cache-policy

Description 'served-by-cache': Answer from cache for requests with cookie; 'served-by-backend': Answer from server for requests with cookie;

Type: string

Supported Values: served-by-cache, served-by-backend

dns-logging

Description dns logging template (DNS Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns-logging*

dns64

Description: dns64 is a **JSON Block**. Please see below for *template_dns-list_dns64*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/dns64*

dnssec-service-group

Description Use different service group if DNSSEC DO bit set (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

enable-cache-sharing

Description Enable DNS cache sharing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward to service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

insert-ipv4

Description prefix-length to insert for IPv4

Type: number

Range: 0-32

insert-ipv6

Description prefix-length to insert for IPv6

Type: number

Range: 0-128

label-count-filter

Description: label-count-filter is a **JSON Block**. Please see below for *template_dns-list_label-count-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/label-count-filter*

label-length-filter

Description: label-length-filter is a **JSON Block**. Please see below for *template_dns-list_label-length-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/label-length-filter*

local-dns-resolution

Description: local-dns-resolution is a **JSON Block**. Please see below for *template_dns-list_local-dns-resolution*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/local-dns-resolution*

max-cache-entry-size

Description Define maximum cache entry size (Maximum cache entry size per VIP (default 1024))

Type: number

Range: 1-4096

Default: 1024

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

max-query-length

Description Define Maximum DNS Query Length, default is unlimited (Specify Maximum Length)

Type: number

Range: 1-4095

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

negative-dns-cache

Description: negative-dns-cache is a **JSON Block**. Please see below for *template_dns-list_negative-dns-cache*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/negative-dns-cache*

period

Description Period in minutes

Type: number

Range: 1-10000

qps-log-high

Description high threshold for QPS logging (queries per second)

Type: number

Range: 1-64000000

qps-log-low

Description low threshold for QPS logging (queries per second)

Type: number

Range: 1-63999999

qps-threshold-log

Description enable threshold log for DNS QPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-class-filter

Description: query-class-filter is a **JSON Block**. Please see below for *template_dns-list_query-class-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/query-class-filter*

query-id-switch

Description Use DNS query ID to create sesion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-type-filter

Description: query-type-filter is a **JSON Block**. Please see below for *template_dns-list_query-type-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/query-type-filter*

recursive-dns-resolution

Description: recursive-dns-resolution is a **JSON Block**. Please see below for *template_dns-list_recursive-dns-resolution*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution*

redirect-to-tcp-port

Description Direct the client to retry with TCP for DNS UDP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-aa-flag

Description Make answers created from cache non-authoritative

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-csubnet

Description Remove EDNS(0) client subnet from client queries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-padding-to-server

Description Remove EDNS(0) padding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-rate-limiting

Description: response-rate-limiting is a **JSON Block**. Please see below for *template_dns-list_response-rate-limiting*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting*

rpz-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}*

tld-filter-log-enable

Description Enable dns tld filter logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tld-filter-white-list

Description white-list class-list name (string-insensitive type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

udp-retransmit

Description: udp-retransmit is a **JSON Block**. Please see below for *template_dns-list_udp-retransmit*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/udp-retransmit*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_response-rate-limiting

Specification	Value
Type	*object*

TC-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: TC-rate and slip-rate are mutually exclusive

action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-response-rate

Description Maximum allowed request rate for the filter. This should match average traffic. (default 10 per seconds)

Type: number

Range: 1-1000

Default: 10

match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

rrl-class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}*

slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: slip-rate and TC-rate are mutually exclusive

src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

template_dns-list_response-rate-limiting_rrl-class-list-list

Specification	Value
Type	*list*
Block object keys	

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_response-rate-limiting_rrl-class-list-list_lid-list

Specification	Value
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

lid-match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

lid-nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-16000000

Default: 5

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 0-16000000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: lid-slip-rate and lid-tc-rate are mutually exclusive

lid-src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-tc-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: lid-tc-rate and lid-slip-rate are mutually exclusive

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_recursive-dns-resolution

Specification	Value
Type	*object*

csubnet-retry

Description retry when server REFUSED AX inserted EDNS(0) subnet, works only when insert-client-subnet is configured

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-recursive

Description Default recursive mode, forward query to bound service-group if hostnames matched

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnssec-validation

Description 'enabled': Enable DNSSEC validation; 'disabled': Disable DNSSEC validation;

Type: string

Supported Values: enabled, disabled

Default: disabled

fast-ns-selection

Description 'enabled': Enable fast NS selection; 'disabled': Disable fast NS selection;

Type: string

Supported Values: enabled, disabled

Default: enabled

force-cname-resolution

Description 'enabled': Force CNAME resolution always; 'disabled': Use answer record in CNAME response if it exists, else resolve;

Type: string

Supported Values: enabled, disabled

Default: enabled

full-response

Description Serve all records (authority and additional) when applicable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-health-check

Description: gateway-health-check is a **JSON Block**. Please see below for *template_dns-list_recursive-dns-resolution_gateway-health-check*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check*

host-list-cfg

Type: List

ipv4-nat-pool

Description IPv4 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv6-nat-pool

Description IPv6 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

lookup-order

Description: lookup-order is a **JSON Block**. Please see below for *template_dns-list_recursive-dns-resolution_lookup-order*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 255

Type: number

Range: 1-255

Default: 255

ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: enabled

ns-longest-match

Description 'disabled': Look up NS of top level label, do a nearly-full resolution; 'enabled': Enable NS cache longest match;

Type: string

Supported Values: disabled, enabled

Default: enabled

parallel-queries

Description Number of parallel queries to send to servers

Type: number

Range: 1-15

Default: 1

request-for-pending-resolution

Description 'drop': Drop of the request during ongoing; 'respond-with-servfail': Respond with SERVFAIL of the request during ongoing; 'start-new-resolution': Start new resolution of the request during ongoing;

Type: string

Supported Values: drop, respond-with-servfail, start-new-resolution

Default: respond-with-servfail

retries-per-level

Description Number of DNS query retries at each server level before closing client connection, default 6

Type: number

Range: 1-6

Default: 6

udp-initial-interval

Description UDP DNS Retry Interval value 1-6, default is 5 sec (1-6, default is 5sec)

Type: number

Range: 1-6

Default: 5

udp-retry-interval

Description UDP DNS Retry Interval value 1-6, default is 1 sec (1-6 , default is 1 sec)

Type: number

Range: 1-6

Default: 1

use-client-qid

Description Use client side query id for recursive query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-service-group-response

Description 'disabled': Start Recursive Resolver if Server response doesnt have final answer; 'enabled': Forward Backend Server response to client and dont start recursive resolver;

Type: string

Supported Values: disabled, enabled

Default: enabled

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_recursive-dns-resolution_gateway-health-check

Specification	Value
Type	*object*

gwhc-ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: disabled

interval

Description Specify the health check interval, default is 10 sec (Interval value, in seconds (default 10))

Type: number

Range: 1-300

Default: 10

num-query-type

Description Other record type value

Type: number

Range: 1-65535

Mutual Exclusion: num-query-type and str-query-type are mutually exclusive

query-name

Description Specify the query name used in probe queries, default "a10networks.com"

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Default: a10networks.com

retry

Description Maximum number of DNS query retries at each server level before health check fails, default 6 (Retry count (default 6))

Type: number

Range: 1-6

Default: 6

retry-multi

Description Specify number of times that health check consecutively fails before declaring gateway DOWN, default 1 (retry-multi count (default 1))

Type: number

Range: 1-10

Default: 1

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT

Default: A

Mutual Exclusion: str-query-type and num-query-type are mutually exclusive

timeout

Description Specify the health check timeout before retrying or finish, default is 5 sec (Timeout value, in seconds (default 5))

Type: number

Range: 1-6

Default: 5

up-retry

Description Specify number of times that health check consecutively passes before declaring gateway UP, default 1 (up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_recursive-dns-resolution_lookup-order

Specification	Value
Type	*object*

query-type

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_recursive-dns-resolution_lookup-order_query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other query type value

Type: number

Range: 1-65535

order

Description 'ipv4-precede-ipv6': Recursive lookup via IPv4 then IPv6; 'ipv6-precede-ipv4': Recursive lookup via IPv6 then IPv4;

Type: string

Supported Values: ipv4-precede-ipv6, ipv6-precede-ipv4

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

template_dns-list_recursive-dns-resolution_host-list-cfg

Specification	Value
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (dns type), perform resolution while query name matched

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_dns-list_label-length-filter

Specification	Value
Type	*object*

drop-log-enable

Description enable the log when hit the rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fqdn-label-length

Type: List

label-length-filter-action

Description 'drop': drop; 'ignore': ignore;

Type: string

Supported Values: drop, ignore

Default: drop

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_label-length-filter_fqdn-label-length

Specification	Value
Type	*list*
Block object keys	

length

Description fqdn label length

Type: number

Range: 1-63

suffix

Description

Type: number

Range: 1-5

template_dns-list_class-list

Specification	Value
Type	*object*

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *template_dns-list_class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_class-list_lid-list_dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

template_dns-list_dns64

Specification	Value
Type	*object*

cache

Description Use a cached A-query response to provide AAAA query responses for the same hostname

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-query

Description Always change incoming AAAA DNS Query to A

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable DNS64 (Need to config this option before config any other dns64 options)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parallel-query

Description Forward AAAA Query & generate A Query in parallel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retry

Description Retry count, default is 3 (Retry Number)

Type: number

Range: 0-15

Default: 3

single-response-disable

Description Disable Single Response which is used to avoid ambiguity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout to send additional Queries, unit: second, default is 1

Type: number

Range: 0-15

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_udp-retransmit

Specification	Value
Type	*object*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_query-class-filter

Specification	Value
Type	*object*

query-class

Type: List

query-class-action

Description 'allow': Allow only certain DNS query classes; 'deny': Deny only certain DNS query classes;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_query-class-filter_query-class

Specification	Value
Type	*list*
Block object keys	

num-query-class

Description Other query class value

Type: number

Range: 1-65535

str-query-class

Description 'INTERNET': INTERNET query class; 'CHAOS': CHAOS query class; 'HESIOD': HESIOD query class; 'NONE': NONE query class; 'ANY': ANY query class;

Type: string

Supported Values: INTERNET, CHAOS, HESIOD, NONE, ANY

template_dns-list_category-lookup-list

Specification	Value
Type	*list*
Block object keys	

category-name

Description category-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

drop

Description Deny matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop,permit, respond, respond-nxdomain, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

permit

Description Permit matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit,drop, respond, respond-nxdomain, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

respond

Description Respond to matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: respond, permit, and drop are mutually exclusive

respond-cname-str

Description CNAME to respond (Canonical name)

Type: string

Maximum Length: 256 characters

Maximum Length: 1 characters

Mutual Exclusion: respond-cname-str,permit, drop, and respond-nxdomain are mutually exclusive

respond-ip-addr

Description Type A record to respond (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: respond-ip-addr,permit, drop, and respond-nxdomain are mutually exclusive

respond-ipv6-addr

Description TYPE AAAA record to respond (IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: respond-ipv6-addr,permit, drop, and respond-nxdomain are mutually exclusive

respond-nxdomain

Description Respond with NXDOMAIN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: respond-nxdomain,permit, drop, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

response-ttl

Description Set response TTL in seconds (TTL value in seconds)

Type: number

Range: 1-259200

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_local-dns-resolution

Specification	Value
Type	*object*

host-list-cfg

Type: List

local-resolver-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_local-dns-resolution_host-list-cfg

Specification	Value
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (dns type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

template_dns-list_local-dns-resolution_local-resolver-cfg

Specification	Value
Type	*list*
Block object keys	

local-resolver

Description Local dns servers (address)

Type: string

Format: ipv4-address

template_dns-list_label-count-filter

Specification	Value
Type	*object*

drop-log-enable

Description enable the log when hit the rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

label-count-filter-action

Description 'drop': drop; 'ignore': ignore;

Type: string

Supported Values: drop, ignore

Default: drop

max-fqdn-label-count

Description Maximum number of FQDN labels per FQDN

Type: number

Range: 1-31

min-fqdn-label-count

Description Minimum number of FQDN labels per FQDN

Type: number

Range: 1-7

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_negative-dns-cache

Specification	Value
Type	*object*

bypass-query-threshold

Description the threshold bypass the query, default is 100

Type: number

Range: 1-65535

Default: 100

cache-non-valid

Description Enable caching non-valid negative response, otherwise will only cache valid negative response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-negative-dns-cache

Description Enable DNS negative cache (Need to turn-on the dns-cache for this feature)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-negative-cache-ttl

Description Max negative cache ttl, default is 2 hours

Type: number

Range: 0-604800

Default: 7200

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_query-type-filter

Specification	Value
Type	*object*

query-type

Type: List

query-type-action

Description 'allow': Allow only certain DNS query types; 'deny': Deny only certain DNS query types;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_query-type-filter_query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other record type value

Type: number

Range: 1-65535

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

template_dns-list_rpz-list

Specification	Value
Type	*list*
Block object keys	

logging

Description: logging is a **JSON Block**. Please see below for *template_dns-list_rpz-list_logging*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging*

name

Description Specify a Response Policy Zone name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-id

Description sequential id of RPZ

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_rpz-list_logging

Specification	Value
Type	*object*

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-list_rpz-list_logging_rpz-action

Specification	Value
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

template_http-list

Specification	Value
Type	*list*
Block object keys	

100-cont-wait-for-req-complete

Description When REQ has Expect 100 and response is not 100, then wait for whole request to be sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-methods

Description Enable allowed-method check (List of allowed HTTP methods)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: allowed-methods and disallowed-methods are mutually exclusive

allowed-methods-action

Description 'drop': Respond 400 directly;

Type: string

Supported Values: drop

Default: drop

bypass-sg

Description Select service group for non-http traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

client-idle-timeout

Description Client session timeout if the next request is not received (timeout in seconds. 0 means disable, default is 0)

Type: number

Range: 0-120

Default: 0

client-ip-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-port-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-auto-disable-on-high-cpu

Description Auto-disable software compression on high cpu usage (Disable compression if cpu usage is above threshold. Default is off.)

Type: number

Range: 1-100

compression-br-level

Description brotli compression level, default 1 (brotli compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-br-sliding-window-size

Description brotli compression sliding window size, default 10 (brotli compression sliding window size in the form of log (i.e., 10 means 1k-16MB bytes))

Type: number

Range: 10-24

compression-content-type

Type: List

compression-enable

Description Enable Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-exclude-content-type

Type: List

compression-exclude-uri

Type: List

compression-keep-accept-encoding

Description Keep accept encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-keep-accept-encoding-enable

Description Enable Server Accept Encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-level

Description gzip compression level, default 1 (gzip compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-method-order

Description Method Order (Order to decide which compression algorithm to be applied when multiple algorithms are acceptable)

Type: string

Format: string-rlx

Maximum Length: 11 characters

Maximum Length: 11 characters

compression-minimum-content-length

Description Minimum Content Length (Minimum content length for compression in bytes. Default is 120.)

Type: number

Range: 1-2147483647

Default: 120

cookie-format

Description 'rfc6265': Follow rfc6265;

Type: string

Supported Values: rfc6265

cookie-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

default-charset

Description 'iso-8859-1': Use ISO-8859-1 as the default charset; 'utf-8': Use UTF-8 as the default charset; 'us-ascii': Use US-ASCII as the default charset;

Type: string

Supported Values: iso-8859-1, utf-8, us-ascii

Default: utf-8

disallowed-methods

Description Enable disallowed-method check (List of disallowed HTTP methods)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: disallowed-methods and allowed-methods are mutually exclusive

disallowed-methods-action

Description 'drop': Respond 400 directly;

Type: string

Supported Values: drop

Default: drop

failover-url

Description Failover to this URL (Failover URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

frame-limit

Description Limit the number of CONTINUATION, PING, PRIORITY, RESET, SETTINGS and empty frames in one HTTP2 connection, default 10000

Type: number

Range: 0-65535

Default: 10000

host-switching

Type: List

http-protocol-check

Description: http-protocol-check is a **JSON Block**. Please see below for *template_http-list_http-protocol-check*

Type: Object

Reference Object: */axapi/v3/slb/template/http/{name}/http-protocol-check*

http2-client-no-snat

Description Set max-concurrent-stream = 1 when the client side is HTTP2 and no source-nat configuration is under vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip

Description Insert Client IP address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip-header-name

Description HTTP Header Name for inserting Client IP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

insert-client-port

Description Insert Client Port address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-port-header-name

Description HTTP Header Name for inserting Client Port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

keep-client-alive

Description Keep client alive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-retry

Description log when HTTP request retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-concurrent-streams

Description (http2 only) Max concurrent streams, default 50

Type: number

Range: 1-1000

Default: 50

max-transaction-allowed

Description Max transactions allowed, default 0 (no limit)

Type: number

Range: 0-65535

Default: 0

name

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-http-bypass

Description Bypass non-http traffic instead of dropping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

persist-on-401

Description Persist to the same server if the response code is 401

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute; 'check': check server prefix and enforce prefix format;

Type: string

Supported Values: host, secure, check

rd-port

Description Port (Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: rd-port and rd-simple-loc are mutually exclusive

rd-resp-code

Description '301': Moved Permanently; '302': Found; '303': See Other; '307': Temporary Redirect;

Type: string

Supported Values: 301, 302, 303, 307

rd-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rd-secure and rd-simple-loc are mutually exclusive

rd-simple-loc

Description Redirect location tag absolute URI string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: rd-simple-loc, rd-secure, and rd-port are mutually exclusive

redirect

Description Automatically send a redirect response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-rewrite

Description: redirect-rewrite is a **JSON Block**. Please see below for *template_http-list_redirect-rewrite*

Type: Object

req-hdr-wait-time

Description HTTP request header wait time before abort connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-hdr-wait-time-val

Description Number of seconds wait for client request header (default is 7)

Type: number

Range: 1-31

Default: 7

request-header-erase-list

Type: List

request-header-insert-list

Type: List

request-line-case-insensitive

Description Parse http request line as case insensitive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-timeout

Description Request timeout if response not received (timeout in seconds)

Type: number

Range: 1-120

response-content-replace-list

Type: List

response-header-erase-list

Type: List

response-header-insert-list

Type: List

retry-on-5xx

Description Retry http request on HTTP 5xx code and request timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx and retry-on-5xx-per-req are mutually exclusive

retry-on-5xx-per-req

Description Retry http request on HTTP 5xx code for each request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx-per-req and retry-on-5xx are mutually exclusive

retry-on-5xx-per-req-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

retry-on-5xx-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

server-support-http2-only

Description Notify the vport regarding whether server supports http2 only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-support-http2-only-value

Description 'auto-detect': Commuincate with the server via HTTP/2 when an support-http2-only rport is detected; 'force': Communicate with the server via HTTP/2 when possible;

Type: string

Supported Values: auto-detect, force

Default: auto-detect

stream-cancellation-limit

Description cancellation limit, default 0 (accumulated cancellation limit value, default is 0)

Type: number

Range: 0-1000

Default: 0

stream-cancellation-rate

Description cancellation rate, default 10 (cancellation rate value, default is 10)

Type: number

Range: 0-1000

Default: 10

strict-transaction-switch

Description Force server selection on every HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template

Description: template is a **JSON Block**. Please see below for *template_http-list_template*

Type: Object

term-11client-hdr-conn-close

Description Terminate HTTP 1.1 client when req has Connection: close

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-hash-first

Description Use the begining part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-first and url-hash-last are mutually exclusive

url-hash-last

Description Use the end part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-last and url-hash-first are mutually exclusive

url-hash-offset

Description Skip part of URL to calculate hash value (Offset of the URL string)

Type: number

Range: 0-255

url-hash-persist

Description Use URL's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-switching

Type: List

use-server-status

Description Use Server-Status header to do URL hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-list_request-header-erase-list

Specification	Value
Type	*list*
Block object keys	

request-header-erase

Description Erase a header from HTTP request (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_http-list_redirect-rewrite

Specification	Value
Type	*object*

match-list

Type: List

redirect-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-secure-port

Description Port (Port Number)

Type: number

Range: 1-65535

Default: 443

template_http-list_redirect-rewrite_match-list

Specification	Value
Type	*list*
Block object keys	

redirect-match

Description URL Matching (Pattern URL String)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rewrite-to

Description Rewrite to Destination URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_http-list_response-header-insert-list

Specification	Value
Type	*list*
Block object keys	

response-header-insert

Description Insert a header into HTTP response (Header Content (Format: "[name]:[value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

template_http-list_response-header-erase-list

Specification	Value
Type	*list*
Block object keys	

response-header-erase

Description Erase a header from HTTP response (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template_http-list_template

Specification	Value
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

template_http-list_url-switching

Specification	Value
Type	*list*
Block object keys	

url-match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

url-switching-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string; 'regex-match': Select service group if URL string matches with regular expression; 'url-case-insensitive': Case insensitive URL switching; 'url-hits-enable': Enables URL Hits;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, url-case-insensitive, url-hits-enable

template_http-list_response-content-replace-list

Specification	Value
Type	*list*
Block object keys	

response-content-replace

Description replace the data from HTTP response content (String in the http content need to be replaced)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-new-string

Description String will be in the http content

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template_http-list_http-protocol-check

Specification	Value
Type	*object*

get-and-payload

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-content-length-alias

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-with-host-and-auth

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-with-transfer-encoding

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

header-filter-rule-list

Type: List

Reference Object: */axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}*

malformed-h2up-header-value

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

malformed-h2up-scheme-value

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

multiple-content-length

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

multiple-transfer-encoding

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

transfer-encoding-and-content-length

Description 'drop': Drop the request and Send 400 to the client side;

Type: string

Supported Values: drop

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-list_http-protocol-check_header-filter-rule-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'drop': Drop the request;

Type: string

Supported Values: drop

header-name-value

Description Header name value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-value

Description Header value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type-value

Description 'full-text': Full text match; 'pcre': PCRE match;

Type: string

Supported Values: full-text, pcre

seq-num

Description Specify a sequence number

Type: number

Range: 0-4

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_http-list_request-header-insert-list

Specification	Value
Type	*list*
Block object keys	

request-header-insert

Description Insert a header into HTTP request (Header Content (Format: "[name]:[value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

template_http-list_host-switching

Specification	Value
Type	*list*
Block object keys	

host-match-string

Description Hostname String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

host-switching-type

Description 'contains': Select service group if hostname contains another string; 'ends-with': Select service group if hostname ends with another string; 'equals': Select service group if hostname equals another string; 'starts-with': Select service group if hostname starts with another string; 'regex-match': Select service group if URL string matches with regular expression; 'host-hits-enable': Enables Host Hits counters;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, host-hits-enable

template_http-list_compression-content-type

Specification	Value
Type	*list*
Block object keys	

content-type

Description Compression content-type

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

template_http-list_compression-exclude-uri

Specification	Value
Type	*list*
Block object keys	

exclude-uri

Description Compression exclude uri

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

template_http-list_compression-exclude-content-type

Specification	Value
Type	*list*
Block object keys	

exclude-content-type

Description Compression exclude content-type (Compression exclude content type)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

template_dns-logging-list

Specification	Value
Type	*list*
Block object keys	

custom-log-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/custom-log/{trigger-reason}*

disable

Description Disable DNS Logging template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging-protocol

Description 'both': Log DNS over tcp and udp; 'tcp': Log DNS over tcp; 'udp': Log DNS over udp;

Type: string

Supported Values: both, tcp, udp

dns-logging-request-section

Description 'all': Log DNS header and question section; 'header': Log DNS header information; 'question': Log DNS question section;

Type: string

Supported Values: all, header, question

dns-logging-response-section

Description 'all': Log DNS header information, answer, authority, additional section content; 'header': Log DNS header information; 'answer': Log DNS header information and answer section content;

Type: string

Supported Values: all, header, answer

dns-logging-type

Description 'query': DNS Query Logging; 'response': DNS Response Logging; 'both': DNS Query and Response Logging;

Type: string

Supported Values: query, response, both

name

Description DNS Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-include-rcode

Description Log DNS Rcode with Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type

Description: response-type is a **JSON Block**. Please see below for *template_dns-logging-list_response-type*

Type: Object

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/response-type*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-logging-list_response-type

Specification	Value
Type	*object*

config

Description start config the response type detail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_dns-logging-list_response-type_type-list

Specification	Value
Type	*list*
Block object keys	

caa-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: caa-type-limit-num and caa-type-no-limit are mutually exclusive

caa-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: caa-type-no-limit and caa-type-limit-num are mutually exclusive

digest

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnskey-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: dnskey-type-limit-num and dnskey-type-no-limit are mutually exclusive

dnskey-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dnskey-type-no-limit and dnskey-type-limit-num are mutually exclusive

ds-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: ds-type-limit-num and ds-type-no-limit are mutually exclusive

ds-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ds-type-no-limit and ds-type-limit-num are mutually exclusive

length-limit-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

naptr-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: naptr-type-limit-num and naptr-type-no-limit are mutually exclusive

naptr-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: naptr-type-no-limit and naptr-type-limit-num are mutually exclusive

opt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: opt-type-limit-num and opt-type-no-limit are mutually exclusive

opt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: opt-type-no-limit and opt-type-limit-num are mutually exclusive

other-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

public-key

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdata-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type-name

Description 'TXT': TXT; 'RRSIG': RRSIG; 'TSIG': TSIG; 'DNSKEY': DNSKEY; 'DS': DS; 'CAA': CAA; 'NAPTR': NAPTR; 'OPT': OPT;

Type: string

Supported Values: TXT, RRSIG, TSIG, DNSKEY, DS, CAA, NAPTR, OPT

rrsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: rrsig-type-limit-num and rrsig-type-no-limit are mutually exclusive

rrsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rrsig-type-no-limit and rrsig-type-limit-num are mutually exclusive

service-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

signature

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: tsig-type-limit-num and tsig-type-no-limit are mutually exclusive

tsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tsig-type-no-limit and tsig-type-limit-num are mutually exclusive

txt-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

txt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: txt-type-limit-num and txt-type-no-limit are mutually exclusive

txt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: txt-type-no-limit and txt-type-limit-num are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_dns-logging-list_custom-log-list

Specification	Value
Type	*list*
Block object keys	

enable

Description Enable this log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

format

Description Request Message (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

trigger-reason

Description 'request': log when request comes from client; 'response': log when response to client;

Type: string

Supported Values: request, response

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_virtual-port-list

Specification	Value
Type	*list*
Block object keys	

aflow

Description Use aFlow to eliminate the traffic surge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-syn-otherflags

Description Allow initial SYN packet with other flags

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-vip-to-rport-mapping

Description Allow mapping of VIP to real port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-unknown-conn

Description Drop conection if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-options

Description 'no-logging': Do not log over limit event; 'no-repeat-logging': log once for over limit event. Default is log once per minute;

Type: string

Supported Values: no-logging, no-repeat-logging

name

Description Virtual port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

non-syn-initiation

Description Allow initial TCP packet to be non-SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-interval

Description '100ms': Source IP and port rate limit per 100ms; 'second': Source IP and port rate limit per second (default);

Type: string

Supported Values: 100ms, second

Default: second

pkt-rate-limit-reset

Description send client-side reset (reset after packet limit)

Type: number

Range: 0-1048575

Default: 0

pkt-rate-type

Description 'src-ip-port': Source IP and port rate limit; 'src-port': Source port rate limit;

Type: string

Supported Values: src-ip-port, src-port

rate

Description Source IP and port rate limit (Packet rate limit)

Type: number

Range: 1-1048575

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reset-l7-on-failover

Description Send reset to L7 client and server connection upon a failover

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-unknown-conn

Description Send reset back if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-msl

Description Source NAT MSL (Source NAT MSL value (seconds))

Type: number

Range: 1-1800

snat-port-preserve

Description Source NAT Port Preservation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

when-rr-enable

Description Only do rate limit if CPU RR triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_mqtt-list

Specification	Value
Type	*list*
Block object keys	

clientid-hash-first

Description Use the begining part of client ID to calculate hash value (client ID string length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-last

Description Use the end part of Client ID to calculate hash value (Client ID length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-offset

Description Skip part of Client ID to calculate hash value (Offset of the Client ID)

Type: number

Range: 0-255

clientid-hash-persist

Description Use Client ID's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description MQTT Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_cipher-list

Specification	Value
Type	*list*
Block object keys	

cipher-cfg

Type: List

cipher13-cfg

Type: List

name

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_cipher-list_cipher13-cfg

Specification	Value
Type	*list*
Block object keys	

cipher13-suite

Description 'TLS_AES_256_GCM_SHA384': TLS_AES_256_GCM_SHA384 (0x1302); 'TLS_CHACHA20_POLY1305_SHA256': TLS_CHACHA20_POLY1305_SHA256 (0x1303); 'TLS_AES_128_GCM_SHA256': TLS_AES_128_GCM_SHA256 (0x1301);

Type: string

Supported Values: TLS_AES_256_GCM_SHA384, TLS_CHACHA20_POLY1305_SHA256, TLS_AES_128_GCM_SHA256

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

template_cipher-list_cipher-cfg

Specification	Value
Type	*list*
Block object keys	

cipher-suite

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA

(0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA); 'TLS1_ECDHE_SM2_WITH_SMS4_SM3': TLS_ECDHE_SM2_WITH_SMS4_SM3 (0xE102); 'TLS1_ECDHE_SM2_WITH_SMS4_SHA256': TLS_ECDHE_SM2_WITH_SMS4_SHA256 (0xE105); 'TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3': TLS_ECDHE_SM2_WITH_SMS4_GCM_SM3 (0xE107);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_SM3, TLS1_ECDHE_SM2_WITH_SMS4_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

template_policy-list

Specification	Value
Type	*list*
Block object keys	

bw-list-id

Type: List

bw-list-name

Description Specify a blacklist/whitelist name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list

Description: class-list is a **JSON Block**. Please see below for *template_policy-list_class-list*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/class-list*

forward-policy

Description: forward-policy is a **JSON Block**. Please see below for *template_policy-list_forward-policy*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy*

full-domain-tree

Description Share counters between geo-location and sub regions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Log interval (minute)

Type: number

Range: 1-255

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

over-limit

Description Specify operation in case over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-lockup

Description Don't accept any new connection for certain time (Lockup duration (minute))

Type: number

Range: 1-127

over-limit-logging

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-reset

Description Reset the connection when it exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

overlap

Description Use overlap mode for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

share

Description Share counters between virtual ports and virtual servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Define timeout value of PBSLB dynamic entry (Timeout value (minute, default is 5))

Type: number

Range: 1-127

Default: 5

use-destination-ip

Description Use destination IP to match the policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy

Specification	Value
Type	*object*

acos-event-log

Description Enable acos event logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}*

dual-stack-action-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}*

enable-adv-match

Description Enable adv-match rules and deactive all the other kinds of destination rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filtering

Type: List

forward-http-connect-to-icap

Description Forward HTTP CONNECT request to ICAP server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-client-conn-reuse

Description Inspects only first request of a connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reqmod-icap

Description ICAP reqmod template (Reqmod ICAP Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/reqmod-icap*

require-web-category

Description Wait for web category to be resolved before taking proxy decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

san-filtering

Type: List

source-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_filtering

Specification	Value
Type	*list*
Block object keys	

ssli-url-filtering

Description 'bypassed-sni-disable': Disable SNI filtering for bypassed URL's(enabled by default); 'intercepted-sni-enable': Enable SNI filtering for intercepted URL's(disabled by default); 'intercepted-http-disable': Disable HTTP(host/URL) filtering for intercepted URL's(enabled by default); 'no-sni-allow': Allow connection if SNI filtering is enabled and SNI header is not present(Drop by default);

Type: string

Supported Values: bypassed-sni-disable, intercepted-sni-enable, intercepted-http-disable, no-sni-allow

template_policy-list_forward-policy_san-filtering

Specification	Value
Type	*list*
Block object keys	

ssli-url-filtering-san

Description 'enable-san': Enable SAN filtering(disabled by default); 'bypassed-san-disable': Disable SAN filtering for bypassed URL's(enabled by default); 'intercepted-san-enable': Enable SAN filtering for intercepted URL's(disabled by default); 'no-san-allow': Allow connection if SAN filtering is enabled and SAN field is not present(Drop by default);

Type: string

Supported Values: enable-san, bypassed-san-disable, intercepted-san-enable, no-san-allow

template_policy-list_forward-policy_action-list

Specification	Value
Type	*list*
Block object keys	

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'forward-to-proxy': Forward request to HTTP proxy server; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url, drop-response-code, and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fall-back-snat and fall-back-snat-pt-only are mutually exclusive

fall-back-snat-pt-only

Description Source port translation only for fallback server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fall-back-snat-pt-only and fall-back-snat are mutually exclusive

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-snat and forward-snat-pt-only are mutually exclusive

forward-snat-pt-only

Description Source port translation only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward-snat-pt-only and forward-snat are mutually exclusive

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_action-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_dual-stack-action-list

Specification	Value
Type	*list*
Block object keys	

fall-back

Description Fallback service group

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

fall-back-snat

Description Source NAT pool or pool group for fallback

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv4

Description IPv4 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv4-snat

Description IPv4 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ipv6

Description IPv6 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv6-snat

Description IPv6 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_dual-stack-action-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests forward by this action;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_source-list

Specification	Value
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *template_policy-list_forward-policy_source-list_destination*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_source-list_destination

Specification	Value
Type	*object*

adv-match-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}*

any

Description: any is a **JSON Block**. Please see below for *template_policy-list_forward-policy_source-list_destination_any*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

template_policy-list_forward-policy_source-list_destination_class-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': Match URL; 'ip': Match destination IP address;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_source-list_destination_web-category-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Web Category List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

template_policy-list_forward-policy_source-list_destination_any

Specification	Value
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_source-list_destination_any_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_source-list_destination_adv-match-list

Specification	Value
Type	*list*
Block object keys	

action

Description Forwading action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

disable-reqmod-icap

Description Disable REQMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-respmod-icap

Description Disable RESPMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dual-stack-action

Description Forwarding action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

match-host

Description Match request host (HTTP stage) or SNI/SAN (SSL stage)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-encoding

Description Match the value of HTTP header "Content-Encoding"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-length-range-begin

Description Match the value of HTTP header "Content-Length" with an inclusive range

Type: number

Range: 0-2147483647

match-http-content-length-range-end

Description End of the "Content-Length" range

Type: number

Range: 0-2147483647

match-http-content-type

Description Match the value of HTTP header "Content-Type"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-header

Description Matching the name of all request headers

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-method-connect

Description Match HTTP request method CONNECT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-delete

Description Match HTTP request method DELETE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-get

Description Match HTTP request method GET

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-head

Description Match HTTP request method HEAD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-options

Description Match HTTP request method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-patch

Description Match HTTP request method PATCH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-post

Description Match HTTP request method POST

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-put

Description Match HTTP request method PUT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-trace

Description Match HTTP request method TRACE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-request-file-extension

Description Match file extension of URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url

Description Match URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url-regex

Description Match URI in HTTP request line by given regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-http-user-agent

Description Matching the value of HTTP header "User-Agent"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-address

Description Match target server IP address

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-port

Description Match target server port number

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port and match-server-port-range-begin are mutually exclusive

match-server-port-range-begin

Description Math targer server port range inclusively

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port-range-begin and match-server-port are mutually exclusive

match-server-port-range-end

Description End of port range

Type: number

Range: 1-65535

match-time-range

Description Enable rule in this time-range

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/time-range*

match-web-category-list

Description Match web-category list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

match-web-reputation-scope

Description Match web-reputation scope

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

notify-page

Description Send notify-page to client

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/notify-page*

priority

Description Rule priority (1000 is highest)

Type: number

Range: 1-1000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_forward-policy_source-list_destination_adv-match-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests hit this rule;

Type: string

Supported Values: all, hits

template_policy-list_forward-policy_source-list_destination_web-reputation-scope-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

template_policy-list_forward-policy_source-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

template_policy-list_class-list

Specification	Value
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name or geo-location-class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *template_policy-list_class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_policy-list_class-list_lid-list_dns64

Specification	Value
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

template_policy-list_class-list_lid-list_response-code-rate-limit

Specification	Value
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

template_policy-list_bw-list-id

Specification	Value
Type	*list*
Block object keys	

action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

bw-list-action

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: bw-list-action and service-group are mutually exclusive

fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

id

Description Specify id that maps to service group (The id number)

Type: number

Range: 0-1023

logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pbslb-interval

Description Specify logging interval in minutes

Type: number

Range: 0-60

Default: 3

pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group and bw-list-action are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

template_policy-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwd-policy-dns-unresolved': Forward-policy unresolved DNS queries; 'fwd-policy-dns-outstanding': Forward-policy current DNS outstanding requests; 'fwd-policy-snat-fail': Forward-policy source-nat translation failure; 'fwd-policy-hits': Number of forward-policy requests for this policy template; 'fwd-policy-forward-to-internet': Number of forward-policy requests forwarded to internet; 'fwd-policy-forward-to-service-group': Number of forward-policy requests forwarded to service group; 'fwd-policy-forward-to-proxy': Number of forward-policy requests forwarded to proxy; 'fwd-policy-policy-drop': Number of forward-policy requests dropped; 'fwd-policy-source-match-not-found': Forward-policy requests without matching source rule; 'exp-client-hello-not-found': Expected Client HELLO requests not found;

Type: string

Supported Values: all, fwd-policy-dns-unresolved, fwd-policy-dns-outstanding, fwd-policy-snat-fail, fwd-policy-hits, fwd-policy-forward-to-internet, fwd-policy-forward-to-service-group, fwd-policy-forward-to-proxy, fwd-policy-policy-drop, fwd-policy-source-match-not-found, exp-client-hello-not-found

template_server-list

Specification	Value
Type	*list*
Block object keys	

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-acct

Description 'to-server-only': Only account for traffic sent to server; 'from-server-only': Only account for traffic received from server; 'all': Account for all traffic sent to and received from server;

Type: string

Supported Values: to-server-only, from-server-only, all

Default: all

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-fail-interval

Description The interval to retry when DNS failed to query (DNS failure interval (in second, default is 30))

Type: number

Range: 0-1800

Default: 30

dns-query-interval

Description The interval to query DNS server for the hostname (DNS query interval (in minute, default is 10))

Type: number

Range: 1-1440

Default: 10

dynamic-server-prefix

Description Prefix of dynamic server (Prefix of dynamic server (default is "DRS"))

Type: string

Maximum Length: 3 characters

Maximum Length: 1 characters

Default: DRS

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

log-selection-failure

Description Enable real-time logging for server selection failure event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-dynamic-server

Description Maximum dynamic server number (Maximum dynamic server number (default is 255))

Type: number

Range: 1-1023

Default: 255

min-ttl-ratio

Description Minimum TTL to DNS query interval ratio (Minimum TTL ratio (default is 2))

Type: number

Range: 1-15

Default: 2

name

Description Server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

slow-start

Description Slowly ramp up the connection number after server is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description Servers under the template are spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for the Real Servers (Connection Weight (default is 1))

Type: number

Range: 1-1000

Default: 1

template_monitor-list

Specification	Value
Type	*list*
Block object keys	

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_monitor-list_clear-cfg

Specification	Value
Type	*list*
Block object keys	

clear-all-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-all-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

template_monitor-list_link-enable-cfg

Specification	Value
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

template_monitor-list_link-up-cfg

Specification	Value
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

template_monitor-list_link-down-cfg

Specification	Value
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

template_monitor-list_link-disable-cfg

Specification	Value
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

template_tcp-proxy-list

Specification	Value
Type	*list*
Block object keys	

ack-aggressiveness

Description 'low': Delayed ACK; 'medium': Delayed ACK, with ACK on each packet with PUSH flag; 'high': ACK on each packet;

Type: string

Supported Values: low, medium, high

Default: low

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backend-wscale

Description The TCP window scale used for the server side, default is off (number)

Type: number

Range: 1-14

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

disable-abc

Description Appropriate Byte Counting RFC 3465 Disabled, default is enabled (Appropriate Byte Counting (ABC) is enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sack

Description disable Selective Ack Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-tcp-timestamps

Description disable TCP Timestamps Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-window-scale

Description disable TCP Window-Scale Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

dynamic-buffer-allocation

Description Optimally adjust the transmit and receive buffer sizes of TCP proxy while keeping their sum constant

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-retransmit

Description Configure the Early-Retransmit Algorithm (RFC 5827) (Early-Retransmit is disabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin-timeout

Description FIN timeout (sec), default is disabled (number)

Type: number

Range: 1-60

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (cmd is deprecated, use fin-timeout instead) (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout (Interval of 60 seconds), default is 600 (idle timeout in second, default 600)

Type: number

Range: 1-2097151

Default: 600

init-cwnd

Description The initial congestion control window size (packets), default is 10 (init-cwnd in packets, default 10)

Type: number

Range: 1-15

Default: 10

initial-window-size

Description Set the initial window size, default is off (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-rate-limit

Description Invalid Packet Response Rate Limit (ms), default is 500 (number default 500 challenges)

Type: number

Range: 0-60000000

Default: 500

keepalive-interval

Description Interval between keepalive probes (sec), default is off (number (seconds))

Type: number

Range: 60-12000

keepalive-probes

Description Number of keepalive probes sent, default is off

Type: number

Range: 2-10

limited-slowstart

Description RFC 3742 Limited Slow-Start for TCP with Large Congestion Windows (number)

Type: number

Range: 0-2147483647

Default: 0

maxburst

Description The max packet count sent per transmission event (number)

Type: number

Range: 1-100

Default: 25

min-rto

Description The minmum retransmission timeout, default is 200ms (number)

Type: number

Range: 100-1000

Default: 200

mss

Description Responding MSS to use if client MSS is large, default is off (number)

Type: number

Range: 128-9000

Default: 1460

nagle

Description Enable Nagle Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

naked-ack-on-handshake

Description Send naked ack before data during 3-way handshake

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *template_tcp-proxy-list_proxy-header*

Type: Object

psh-flag-optimization

Description Enable Optimized PSH Flag Use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qos

Description QOS level (number)

Type: number

Range: 1-63

reassembly-limit

Description The reassembly queuing limit, default is 25 segments (number)

Type: number

Range: 1-500

Default: 25

reassembly-timeout

Description The reassembly timeout, default is 30sec (number)

Type: number

Range: 1-300

Default: 30

receive-buffer

Description TCP Receive Buffer (default 200k) (number default 200000 bytes)

Type: number

Range: 1-2147483647

Default: 200000

reno

Description Enable Reno Congestion Control Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-retries

Description Number of Retries for Retransmit, default is 5

Type: number

Range: 1-20

Default: 5

server-down-action

Description 'FIN': FIN Connection; 'RST': Reset Connection;

Type: string

Supported Values: FIN, RST

syn-retries

Description SYN Retry Numbers, default is 5

Type: number

Range: 1-20

Default: 5

tcp-do-newsack

Description 'enable': Enable fast sack loss recovery; 'disable': Disable fast sack loss recovery; 'auto-select': Auto select fast sack loss recovery (disable);

Type: string

Supported Values: enable, disable, auto-select

Default: auto-select

timewait

Description Timewait Threshold (sec), default 5 (number)

Type: number

Range: 1-60

Default: 5

transmit-buffer

Description TCP Transmit Buffer (default 200k) (number default 200000 bytes)

Type: number

Range: 1-2147483647

Default: 200000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_tcp-proxy-list_proxy-header

Specification	Value
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

template_ftp-list

Specification	Value
Type	*list*
Block object keys	

active-mode-port

Description Non-Standard FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-mode-port-val

Description Non-Standard FTP Active mode port

Type: number

Range: 1-65534

Mutual Exclusion: active-mode-port-val and any are mutually exclusive

any

Description Allow any FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and active-mode-port-val are mutually exclusive

name

Description FTP template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

to

Description End range of FTP Active mode port

Type: number

Range: 1-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_imap-pop3-list

Specification	Value
Type	*list*
Block object keys	

logindisabled

Description Disable Login before STARTTLS.Works only for imap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description IMAP-POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

starttls

Description 'disabled': Disable STARTTLS; 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before imap transaction;

Type: string

Supported Values: disabled, optional, enforced

Default: disabled

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_server-ssl-list

Specification	Value
Type	*list*
Block object keys	

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

ca-certs

Type: List

certificate

Description: certificate is a **JSON Block**. Please see below for *template_server-ssl-list_certificate*

Type: Object

Reference Object: */axapi/v3/slb/template/server-ssl/{name}/certificate*

cipher-template

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: cipher-template, cipher-wo-prio, and shared-partition-cipher-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/cipher*

cipher-without-prio-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ocsp-stapling

Description Enable ocsp-stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-certificate-error

Type: List

server-name

Description Specify Server Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

session-cache-size

Description Session Cache Size (Maximum cache size. Default value 0 (Session ID reuse disabled))

Type: number

Range: 0-128

Default: 0

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds. Default no timeout.)

Type: number

Range: 1-7200

session-key-logging-enable

Description Enable SSL session key logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-enable

Description Enable server side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template, cipher-wo-prio, and cipher-template are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cipher*

use-client-sni

Description use client SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 30-34

Default: 33

template_server-ssl-list_crl-certs

Specification	Value
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-partition-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template_server-ssl-list_certificate

Specification	Value
Type	*object*

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key

Description Client private-key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description Client Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template_server-ssl-list_ec-list

Specification	Value
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1, secp521r1, x25519

template_server-ssl-list_server-certificate-error

Specification	Value
Type	*list*
Block object keys	

error-type

Description 'email': Notify the error via email; 'ignore': Ignore the error, which mean the connection can continue; 'logging': Log the error; 'trap': Notify the error by SNMP trap;

Type: string

Supported Values: email, ignore, logging, trap

template_server-ssl-list_ca-certs

Specification	Value
Type	*list*
Block object keys	

ca-cert

Description Specify CA certificate

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-cert-partition-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/service-group*

server-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/server/ocsp*

template_server-ssl-list_cipher-without-prio-list

Specification	Value
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA (0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA

(0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio, cipher-template, and shared-partition-cipher-template are mutually exclusive

dns-persistent-cache

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-persistent-cache_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_entry': Total persistent cache entry; 'entry_saved': Total saved cache entry; 'entry_deleted': Total deleted cache entry; 'database_busy': Database busy; 'database_error': Database error;

Type: string

Supported Values: all, total_entry, entry_saved, entry_deleted, database_busy, database_error

link-probe

Specification	Value
Type	*object*

entry

Description: entry is a **JSON Block**. Please see below for *link-probe_entry*

Type: Object

Reference Object: */axapi/v3/slb/link-probe/entry*

link-probe_entry

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-probe_entry_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_tmpl_probe_create_failed': Probe Template Creation Failure; 'err_tmpl_probe_create_oom': Probe Template Creation Out of Memory; 'total_http_probes_sent': Total HTTP Probes Sent out; 'total_http_response_received': Total HTTP responses received; 'total_http_response_good': Total HTTP responses matching probe template config; 'total_http_response_bad': Total HTTP responses not matching probe template config; 'total_tcp_err': Total TCP errors in probes sent out; 'err_smart_nat_alloc': Error creating Smart NAT Instance; 'err_smart_nat_port_alloc': Error obtaining Smart NAT source port; 'err_l4_sess_alloc': Error allocating L4 session for probe; 'err_probe_tcp_conn_send': Error in initiating TCP connection for probe; 'probe_tcp_conn_sent': TCP connection sent for probe;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_ready_to_free, total_freed, err_entry_create_failed, err_entry_create_oom, err_entry_insert_failed, err_tmpl_probe_create_failed, err_tmpl_probe_create_oom, total_http_probes_sent, total_http_response_received, total_http_response_good, total_http_response_bad, total_tcp_err, err_smart_nat_alloc, err_smart_nat_port_alloc, err_l4_sess_alloc, err_probe_tcp_conn_send, probe_tcp_conn_sent

ssl-cert-expire-check

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'query': Query; 'query-bad-pkt': Query Bad Packet; 'query-chg': Query Changed; 'query-parallel': Query Parallel; 'query-passive': Query Passive; 'resp': Response; 'resp-bad-pkt': Response Bad Packet; 'resp-bad-qr': Response Bad Query; 'resp-chg': Response Changed; 'resp-err': Response Error; 'resp-empty': Response Empty; 'resp-local': Response Local; 'adjust': Translated; 'cache': Cache; 'drop': Dropped;

Type: string

Supported Values: all, query, query-bad-pkt, query-chg, query-parallel, query-passive, resp, resp-bad-pkt, resp-bad-qr, resp-chg, resp-err, resp-empty, resp-local, adjust, cache, drop

fast-http-proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fast-http-proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'req': HTTP requests; 'req_succ': HTTP requests(succ); 'noproxy': No proxy error; 'client_rst': Client RST; 'server_rst': Server RST; 'notuple': No tuple error; 'parsereq_fail': Parse req fail; 'svrsel_fail': Server selection fail; 'fwdreq_fail': Fwd req fail; 'fwdreq_fail_buff': Fwd req fail - buff; 'fwdreq_fail_rport': Fwd req fail - rport; 'fwdreq_fail_route': Fwd req fail - route; 'fwdreq_fail_persist': Fwd req fail - persist; 'fwdreq_fail_server': Fwd req fail - server; 'fwdreq_fail_tuple': Fwd req fail - tuple; 'fwdreqdata_fail': Fwd req data fail; 'req_retran': Packets retrans; 'req_ofo': Packets ofo; 'server_resel': Server reselection; 'svr_prem_close': Server premature close; 'new_svrconn': Server conn made; 'snat_fail': Source NAT failure; 'tcpoutrst': Out RSTs; 'full_proxy': Full proxy tot; 'full_proxy_post': Full proxy POST; 'full_proxy_pipeline': Full proxy pipeline; 'full_proxy_fpga_err': Full proxy fpga err; 'req_over_limit': Request over limit; 'req_rate_over_limit': Request rate over limit; 'l4_switching': L4 switching; 'cookie_switching': Cookie switching; 'aflex_switching': aFleX switching; 'http_policy_switching': HTTP Policy switching; 'url_switching': URL switching; 'host_switching': Host switching; 'lb_switching': Normal LB switching; 'l4_switching_ok': L4 switching (succ); 'cookie_switching_ok': Cookie switching (succ); 'aflex_switching_ok': aFleX switching (succ); 'http_policy_switching_ok': HTTP Policy switching (succ); 'url_switching_ok': URL switching (succ); 'host_switching_ok': Host switching (succ); 'lb_switching_ok': Normal LB switch. (succ); 'l4_switching_enqueue': L4 switching (enQ); 'cookie_switching_enqueue': Cookie switching (enQ); 'aflex_switching_enqueue': aFleX switching (enQ); 'http_policy_switching_enqueue': HTTP Policy switching (enQ); 'url_switching_enqueue': URL switching (enQ); 'host_switching_enqueue': Host switching (enQ); 'lb_switching_enqueue': Normal LB switch. (enQ); 'retry_503': Retry on 503; 'aflex_retry': aFleX http retry; 'aflex_lb_reselect': aFleX lb reselect; 'aflex_lb_reselect_ok': aFleX lb reselect (succ); 'client_rst_request': Client RST - request; 'client_rst_connecting': Client RST - connecting; 'client_rst_connected': Client RST - connected; 'client_rst_response': Client RST - response; 'server_rst_request': Server RST - request; 'server_rst_connecting': Server RST - connecting; 'server_rst_connected': Server RST - connected; 'server_rst_response': Server RST - response; 'invalid_header': Invalid header; 'too_many_headers': Too many headers; 'line_too_long': Line too long; 'header_name_too_long': Header name too long; 'wrong_resp_header': Wrong response header; 'header_insert': Header insert; 'header_delete': Header delete; 'insert_client_ip': Insert client IP; 'negative_req_remain': Negative request remain; 'negative_resp_remain': Negative response remain; 'large_cookie': Large cookies; 'large_cookie_header': Large cookie headers; 'huge_cookie': Huge cookies; 'huge_cookie_header': Huge cookie headers; 'parse_cookie_fail': Parse cookie fail; 'parse_setcookie_fail': Parse set-cookie fail; 'asm_cookie_fail': Assemble cookie fail; 'asm_cookie_header_fail': Asm cookie header fail; 'asm_setcookie_fail': Assemble set-cookie fail; 'asm_setcookie_header_fail': Asm set-cookie hdr fail; 'client_req_unexp_flag': Client req unexp flags; 'connecting_fin': Connecting FIN; 'connecting_fin_retrans': Connecting FIN retran; 'connecting_fin_ofo': Connecting FIN ofo; 'connecting_rst': Connecting RST; 'connecting_rst_retrans': Connecting RST retran; 'connecting_rst_ofo': Connecting RST ofo; 'connecting_ack': Connecting ACK; 'pkts_ofo': Packets ofo; 'pkts_retrans': Packets retrans; 'pkts_retrans_ack_finwait': retrans ACK FWAIT; 'pkts_retrans_fin': retrans FIN; 'pkts_retrans_rst': retrans RST;

'pkts_retrans_push': retrans PSH; 'stale_sess': Stale sess; 'server_resel_failed': Server re-select failed; 'compression_before': Tot data before compress; 'compression_after': Tot data after compress; 'response_1xx': Status code 1XX; 'response_100': Status code 100; 'response_101': Status code 101; 'response_102': Status code 102; 'response_2xx': Status code 2XX; 'response_200': Status code 200; 'response_201': Status code 201; 'response_202': Status code 202; 'response_203': Status code 203; 'response_204': Status code 204; 'response_205': Status code 205; 'response_206': Status code 206; 'response_207': Status code 207; 'response_3xx': Status code 3XX; 'response_300': Status code 300; 'response_301': Status code 301; 'response_302': Status code 302; 'response_303': Status code 303; 'response_304': Status code 304; 'response_305': Status code 305; 'response_306': Status code 306; 'response_307': Status code 307; 'response_4xx': Status code 4XX; 'response_400': Status code 400; 'response_401': Status code 401; 'response_402': Status code 402; 'response_403': Status code 403; 'response_404': Status code 404; 'response_405': Status code 405; 'response_406': Status code 406; 'response_407': Status code 407; 'response_408': Status code 408; 'response_409': Status code 409; 'response_410': Status code 410; 'response_411': Status code 411; 'response_412': Status code 412; 'response_413': Status code 413; 'response_414': Status code 414; 'response_415': Status code 415; 'response_416': Status code 416; 'response_417': Status code 417; 'response_418': Status code 418; 'response_422': Status code 422; 'response_423': Status code 423; 'response_424': Status code 424; 'response_425': Status code 425; 'response_426': Status code 426; 'response_449': Status code 449; 'response_450': Status code 450; 'response_5xx': Status code 5XX; 'response_500': Status code 500; 'response_501': Status code 501; 'response_502': Status code 502; 'response_503': Status code 503; 'response_504': Status code 504; 'response_505': Status code 505; 'response_506': Status code 506; 'response_507': Status code 507; 'response_508': Status code 508; 'response_509': Status code 509; 'response_510': Status code 510; 'response_6xx': Status code 6XX; 'response_unknown': Status code unknown; 'req_http10': Request 1.0; 'req_http11': Request 1.1; 'response_http10': Resp 1.0; 'response_http11': Resp 1.1; 'req_get': Method GET; 'req_head': Method HEAD; 'req_put': Method PUT; 'req_post': Method POST; 'req_trace': Method TRACE; 'req_options': Method OPTIONS; 'req_connect': Method CONNECT; 'req_delete': Method DELETE; 'req_unknown': Method UNKNOWN; 'req_content_len': Req content len; 'rsp_content_len': Resp content len; 'rsp_chunk': Resp chunk encoding; 'req_chunk': Req chunk encoding; 'compress_rsp': Compress req; 'compress_del_accept_enc': Compress del accept enc; 'compress_resp_already_compressed': Resp already compressed; 'compress_content_type_excluded': Compress cont type excl; 'compress_no_content_type': Compress no cont type; 'compress_resp_lt_min': Compress resp less than min; 'compress_resp_no_cl_or_ce': Compress resp no CL/CE; 'compress_ratio_too_high': Compress ratio too high; 'cache_rsp': HTTP req (cache succ); 'close_on_ddos': Close on DDoS; 'req_http10_keepalive': 1.0 Keepalive; 'req_sz_1k': Req less than equal to 1K; 'req_sz_2k': Req less than equal to 2K;

Type: string

Supported Values: all, num, curr_proxy, total_proxy, req, req_succ, noproxy, client_rst, server_rst, notuple, parsereq_fail, svrsel_fail, fwdreq_fail, fwdreq_fail_buff, fwdreq_fail_rport, fwdreq_fail_route, fwdreq_fail_persist, fwdreq_fail_server, fwdreq_fail_tuple, fwdreqdata_fail, req_retran, req_ofo, server_resel, svr_prem_close, new_svrconn, snat_fail, tcpoutrst, full_proxy, full_proxy_post, full_proxy_pipeline, full_proxy_fpga_err, req_over_limit, req_rate_over_limit, l4_switching, cookie_switching, aflex_switching, http_policy_switching, url_switching, host_switching, lb_switching, l4_switching_ok, cookie_switching_ok, aflex_switching_ok, http_policy_switching_ok, url_switching_ok, host_switching_ok, lb_switching_ok, l4_switching_enqueue, cookie_switching_enqueue, aflex_switching_enqueue, http_policy_switching_enqueue, url_switching_enqueue, host_switching_enqueue, lb_switching_enqueue, retry_503, aflex_retry, aflex_lb_reselect, aflex_lb_reselect_ok, client_rst_request, client_rst_connecting,

client_rst_connected, client_rst_response, server_rst_request, server_rst_connecting, server_rst_connected, server_rst_response, invalid_header, too_many_headers, line_too_long, header_name_too_long, wrong_resp_header, header_insert, header_delete, insert_client_ip, negative_req_remain, negative_resp_remain, large_cookie, large_cookie_header, huge_cookie, huge_cookie_header, parse_cookie_fail, parse_setcookie_fail, asm_cookie_fail, asm_cookie_header_fail, asm_setcookie_fail, asm_setcookie_header_fail, client_req_unexp_flag, connecting_fin, connecting_fin_retrans, connecting_fin_ofo, connecting_rst, connecting_rst_retrans, connecting_rst_ofo, connecting_ack, pkts_ofo, pkts_retrans, pkts_retrans_ack_finwait, pkts_retrans_fin, pkts_retrans_rst, pkts_retrans_push, stale_sess, server_resel_failed, compression_before, compression_after, response_1xx, response_100, response_101, response_102, response_2xx, response_200, response_201, response_202, response_203, response_204, response_205, response_206, response_207, response_3xx, response_300, response_301, response_302, response_303, response_304, response_305, response_306, response_307, response_4xx, response_400, response_401, response_402, response_403, response_404, response_405, response_406, response_407, response_408, response_409, response_410, response_411, response_412, response_413, response_414, response_415, response_416, response_417, response_418, response_422, response_423, response_424, response_425, response_426, response_449, response_450, response_5xx, response_500, response_501, response_502, response_503, response_504, response_505, response_506, response_507, response_508, response_509, response_510, response_6xx, response_unknown, req_http10, req_http11, response_http10, response_http11, req_get, req_head, req_put, req_post, req_trace, req_options, req_connect, req_delete, req_unknown, req_content_len, rsp_content_len, rsp_chunk, req_chunk, compress_rsp, compress_del_accept_enc, compress_resp_already_compressed, compress_content_type_excluded, compress_no_content_type, compress_resp_lt_min, compress_resp_no_cl_or_ce, compress_ratio_too_high, cache_rsp, close_on_ddos, req_http10_keepalive, req_sz_1k, req_sz_2k

counters2

Description 'req_sz_4k': Req less than equal to 4K; 'req_sz_8k': Req less than equal to 8K; 'req_sz_16k': Req less than equal to 16K; 'req_sz_32k': Req less than equal to 32K; 'req_sz_64k': Req less than equal to 64K; 'req_sz_256k': Req less than equal to 256K; 'req_sz_gt_256k': Req greater than 256K; 'rsp_sz_1k': Resp less than equal to 1K; 'rsp_sz_2k': Resp less than equal to 2K; 'rsp_sz_4k': Resp less than equal to 4K; 'rsp_sz_8k': Resp less than equal to 8K; 'rsp_sz_16k': Resp less than equal to 16K; 'rsp_sz_32k': Resp less than equal to 32K; 'rsp_sz_64k': Resp less than equal to 64K; 'rsp_sz_256k': Resp less than equal to 256K; 'rsp_sz_gt_256k': Resp greater than 256K; 'chunk_sz_512': Chunk less than equal to 512; 'chunk_sz_1k': Chunk less than equal to 1K; 'chunk_sz_2k': Chunk less than equal to 2K; 'chunk_sz_4k': Chunk less than equal to 4K; 'chunk_sz_gt_4k': Chunk greater than 4K; 'pconn_connecting': pconn connecting; 'pconn_connected': pconn connected; 'pconn_connecting_failed': pconn conn failed; 'chunk_bad': Bad Chunk; 'req_10u': Rsp time less than 10u; 'req_20u': Rsp time less than 20u; 'req_50u': Rsp time less than 50u; 'req_100u': Rsp time less than 100u; 'req_200u': Rsp time less than 200u; 'req_500u': Rsp time less than 500u; 'req_1m': Rsp time less than 1m; 'req_2m': Rsp time less than 2m; 'req_5m': Rsp time less than 5m; 'req_10m': Rsp time less than 10m; 'req_20m': Rsp time less than 20m; 'req_50m': Rsp time less than 50m; 'req_100m': Rsp time less than 100m; 'req_200m': Rsp time less than 200m; 'req_500m': Rsp time less than 500m; 'req_1s': Rsp time less than 1s; 'req_2s': Rsp time less than 2s; 'req_5s': Rsp time less than 5s; 'req_over_5s': Rsp time greater than equal to 5s; 'insert_client_port': Insert client Port; 'req_track': Method TRACK; 'full_proxy_put': Full proxy PUT; 'non_http_bypass': Non-HTTP bypass; 'skip_insert_client_ip': Skip Insert Client IP; 'skip_insert_client_port': Skip Insert Client Port; 'decompression_before': Tot data before decompress; 'decompression_after': Tot data after decompress; 'http_pkts_in_seq': Tot In-seq fHTTP packets; 'http_pkts_retx': Tot Re-Tx fHTTP packets; 'http_client_retx': Client Re-Tx fHTTP packets; 'http_server_retx':

Server Re-Tx fHTTP packets; 'http_pkts_ofo': fHTTP Out of Order packets;

Type: string

Supported Values: req_sz_4k, req_sz_8k, req_sz_16k, req_sz_32k, req_sz_64k, req_sz_256k, req_sz_gt_256k, rsp_sz_1k, rsp_sz_2k, rsp_sz_4k, rsp_sz_8k, rsp_sz_16k, rsp_sz_32k, rsp_sz_64k, rsp_sz_256k, rsp_sz_gt_256k, chunk_sz_512, chunk_sz_1k, chunk_sz_2k, chunk_sz_4k, chunk_sz_gt_4k, pconn_connecting, pconn_connected, pconn_connecting_failed, chunk_bad, req_10u, req_20u, req_50u, req_100u, req_200u, req_500u, req_1m, req_2m, req_5m, req_10m, req_20m, req_50m, req_100m, req_200m, req_500m, req_1s, req_2s, req_5s, req_over_5s, insert_client_port, req_track, full_proxy_put, non_http_bypass, skip_insert_client_ip, skip_insert_client_port, decompression_before, decompression_after, http_pkts_in_seq, http_pkts_retx, http_client_retx, http_server_retx, http_pkts_ofo

hm-dplane

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hm-dplane_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current HM Entries; 'total_created': Total HM Entries Created; 'total_inserted': Total HM entries inserted; 'curr_ready_to_free': Current HM entries ready to free; 'total_freed': Total HM entries freed; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry creation out of memory; 'err_entry_insert_failed': Entry insert failed; 'total_tcp_err': Total TCP errors in health-checks sent; 'err_smart_nat_alloc': Error creating smart-nat instance; 'err_smart_nat_port_alloc': Error obtaining smart-nat source port; 'err_l4_sess_alloc': Error allocating L4 session for HM; 'err_hm_tcp_conn_sent': Error in initiating TCP connection for HM; 'hm_tcp_conn_sent': Total TCP connections sent for HM; 'entry_deleted': Entry deleted; 'err_entry_create_slb_failed': Error in creating HM internal SLB Resource; 'total_match_resp_code': Total HTTP received response with match response code; 'total_match_default_resp_code': Total HTTP received response with match 200 response code; 'total_maintenance_received': Total maintenace response

received; 'total_wrong_status_received': Total HTTP received response with wrong response code; 'err_no_hm_entry': Error no HM entry found; 'err_ssl_cert_name_mismatch': Error SSL cert name mismatch; 'err_server_syn_timeout': Error SSL server SYN timeout; 'err_http2_callback': Error HTTP2 callback; 'err_l7_sess_process_tcp_estab_failed': L7 session process TCP established failed; 'err_l7_sess_process_tcp_data_failed': L7 session process TCP data failed; 'err_http2_ver_mismatch': Error HTTP2 version mismatch; 'smart_nat_alloc': Total smart-nat allocation successful; 'smart_nat_release': Total smart-nat release successful; 'smart_nat_alloc_failed': Total smart-nat allocation failed; 'smart_nat_release_failed': Total smart-nat release failed; 'total_server_quic_conn': Total start server QUIC connections; 'total_server_quic_conn_err': Total start server QUIC connections error; 'total_start_server_conn_err': Total start server connections error; 'err_missing_server_ssl_template': Missing Server-SSL Template; 'err_create_ssl_ctx_fail': Error in creating SSL CTX; 'err_entry_missing_vport': Entry missing Virtual-Port;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, curr_ready_to_free, total_freed, err_entry_create_failed, err_entry_create_oom, err_entry_insert_failed, total_tcp_err, err_smart_nat_alloc, err_smart_nat_port_alloc, err_l4_sess_alloc, err_hm_tcp_conn_sent, hm_tcp_conn_sent, entry_deleted, err_entry_create_slb_failed, total_match_resp_code, total_match_default_resp_code, total_maintenance_received, total_wrong_status_received, err_no_hm_entry, err_ssl_cert_name_mismatch, err_server_syn_timeout, err_http2_callback, err_l7_sess_process_tcp_estab_failed, err_l7_sess_process_tcp_data_failed, err_http2_ver_mismatch, smart_nat_alloc, smart_nat_release, smart_nat_alloc_failed, smart_nat_release_failed, total_server_quic_conn, total_server_quic_conn_err, total_start_server_conn_err, err_missing_server_ssl_template, err_create_ssl_ctx_fail, err_entry_missing_vport

ssl-ca-cert

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

connection-reuse

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

connection-reuse_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current_open': Open persist; 'current_active': Active persist; 'nbind': Total bind; 'nunbind': Total unbind; 'nestab': Total established; 'ntermi': Total terminated; 'ntermi_err': Total terminated by err; 'delay_unbind': Delayed unbind; 'long_resp': Long resp; 'miss_resp': Missed resp; 'unbound_data_rcv': Unbound data rcvd; 'pause_conn': Pause request; 'pause_conn_fail': Pause request fail; 'resume_conn': Resume request; 'not_remove_from_rport': Not remove from list;

Type: string

Supported Values: all, current_open, current_active, nbind, nunbind, nestab, ntermi, ntermi_err, delay_unbind, long_resp, miss_resp, unbound_data_rcv, pause_conn, pause_conn_fail, resume_conn, not_remove_from_rport, zero_pconn_value, zero_pconn_bind_value, current_http1_conn_in_the_pool, current_http2_conn_in_the_pool

mssql

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mssql_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_be_enc': Curr BE Encryption Conns; 'total_be_enc': Total BE Encryption Conns; 'curr_fe_enc': Curr FE Encryption Conns; 'total_fe_enc': Total FE Encryption Conns; 'client_fin': Client FIN; 'server_fin': Server FIN; 'session_err': Session err; 'queries': DB Queries; 'commands': DB commands reply; 'auth_success': Authentication Success; 'auth_failure': Authentication Failure;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_be_enc, total_be_enc, curr_fe_enc, total_fe_enc, client_fin, server_fin, session_err, queries, commands, auth_success, auth_failure

resource-usage

Specification	Value
Type	*object*

cache-template-count

Description Total configurable HTTP Cache Templates in the System

Type: number

client-ssl-template-count

Description Total configurable Client SSL Templates in the System

Type: number

conn-reuse-template-count

Description Total configurable Connection reuse Templates in the System

Type: number

fast-tcp-template-count

Description Total configurable Fast TCP Templates in the System

Type: number

fast-udp-template-count

Description Total configurable Fast UDP Templates in the System

Type: number

fix-template-count

Description Total configurable FIX Templates in the System

Type: number

gslb-device-count

Description Total GSLB devices in the System

Type: number

gslb-geo-location-count

Description Total GSLB geo-location in the System

Type: number

gslb-ip-list-count

Description Total GSLB ip-list in the System

Type: number

gslb-policy-count

Description Total GSLB policies in the System

Type: number

gslb-service-count

Description Total GSLB services in the System

Type: number

gslb-service-ip-count

Description Total GSLB service-ip in the System

Type: number

gslb-service-port-count

Description Total GSLB service-port in the System

Type: number

gslb-site-count

Description Total GSLB sites in the System

Type: number

gslb-svc-group-count

Description Total GSLB services in the System

Type: number

gslb-template-count

Description Total GSLB templates in the System

Type: number

gslb-zone-count

Description Total GSLB zones in the System

Type: number

health-monitor-count

Description Total Health Monitors in the System

Type: number

http-template-count

Description Total configurable HTTP Templates in the System

Type: number

link-cost-template-count

Description Total configurable Link-cost Templates in the System

Type: number

log-template-count

Description Total configurable SLB Logging Templates in the System

Type: number

nat-pool-addr-count

Description Total configurable NAT Pool addresses in the System (deprecated)

Type: number

pbslb-entry-count

Description Total configurable pbslb entry in the System

Type: number

pbslb-subnet-count

Description Total PBSLB Subnets in the System

Type: number

persist-cookie-template-count

Description Total configurable Persistent cookie Templates in the System

Type: number

persist-srcip-template-count

Description Total configurable Source IP Persistent Templates in the System

Type: number

proxy-template-count

Description Total configurable Proxy Templates in the System

Type: number

real-port-count

Description Total Real Server Ports in the System

Type: number

real-server-count

Description Total Real Servers in the System

Type: number

server-ssl-template-count

Description Total configurable Server SSL Templates in the System

Type: number

service-group-count

Description Total Service Groups in the System

Type: number

slb-threshold-res-usage-percent

Description Enter the threshold as a percentage (Threshold in percentage(default is 0%))

Type: number

Range: 0-99

Default: 0

stream-template-count

Description Total configurable Streaming media in the System

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-count

Description Total Virtual Server Ports in the System

Type: number

virtual-server-count

Description Total Virtual Servers in the System

Type: number

ssl-cmp-cert-log

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ecmp

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-gateway

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-gateway_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_sent': Number of Total health-check sent; 'total_retry_sent': Number of Total health-check retry sent; 'total_timeout': Number of Total health-check timeout;

Type: string

Supported Values: all, total_sent, total_retry_sent, total_timeout

health-up-reason

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

transparent-tcp-template

Specification	Value
Type	*object*

name

Description Specify template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/tcp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-monitor

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

crl-srcip

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

crl-srcip_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_alloc': Sessions allocated; 'sessions_freed': Sessions freed; 'out_of_sessions': Out of sessions; 'too_many_sessions': Too many sessions consumed; 'called': Threshold check count; 'permitted': Honor threshold count; 'threshold_exceed': Threshold exceeded count; 'lockout_drop': Lockout drops; 'log_msg_sent': Log messages sent;

Type: string

Supported Values: all, sessions_alloc, sessions_freed, out_of_sessions, too_many_sessions, called, permitted, threshold_exceed, lockout_drop, log_msg_sent

proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'tcp_event': TCP stack event; 'est_event': Connection established; 'data_event': Data received; 'client_fin': Client FIN; 'server_fin': Server FIN; 'wbuf_event': Ready to send data; 'err_event': Error occured; 'no_mem': No memory; 'client_rst': Client RST; 'server_rst': Server RST; 'queue_depth_over_limit': Queue depth over limit; 'event_failed': Event failed; 'conn_not_exist': Conn not exist; 'service_alloc_cb': Service alloc callback; 'service_alloc_cb_failed': Service alloc callback failed; 'service_free_cb': Service free callback; 'service_free_cb_failed': Service free callback failed; 'est_cb_failed': App EST callback failed; 'data_cb_failed': App DATA callback failed; 'wbuf_cb_failed': App WBUF callback failed; 'err_cb_failed': App ERR callback failed; 'start_server_conn': Start server conn; 'start_server_conn_succ': Success; 'start_server_conn_no_route': No route to server; 'start_server_conn_fail_mem': No memory; 'start_server_conn_fail_snat': Failed Source NAT; 'start_server_conn_fail_persist': Fail Persistence; 'start_server_conn_fail_server': Fail Server issue; 'start_server_conn_fail_tuple': Fail Tuple Issue; 'line_too_long': Line too long;

Type: string

Supported Values: all, num, tcp_event, est_event, data_event, client_fin, server_fin, wbuf_event, err_event, no_mem, client_rst, server_rst, queue_depth_over_limit, event_failed, conn_not_exist, service_alloc_cb, service_alloc_cb_failed, service_free_cb, service_free_cb_failed, est_cb_failed, data_cb_failed, wbuf_cb_failed, err_cb_failed, start_server_conn, start_server_conn_succ, start_server_conn_no_route, start_server_conn_fail_mem, start_server_conn_fail_snat, start_server_conn_fail_persist, start_server_conn_fail_server, start_server_conn_fail_tuple, line_too_long

passthrough

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

passthrough_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_conn': Total connections; 'total_fwd_bytes': Forward bytes; 'total_fwd_packets': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_packets': Reverse packets; 'curr_pconn': Persistent connections;

Type: string

Supported Values: all, curr_conn, total_conn, total_fwd_bytes, total_fwd_packets, total_rev_bytes, total_rev_packets, curr_pconn

rpz

Specification	Value
Type	*object*

check

Description Check Response Policy Zone file

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'set_bw_error': Total RPZ Set Class-list Error; 'parse_error': Total RPZ Parse Error;

Type: string

Supported Values: all, set_bw_error, parse_error

forward-proxy

Specification	Value
Type	*object*

notify-page-list

Type: List

Reference Object: */axapi/v3/slb/forward-proxy/notify-page/{name}*

time-range-list

Type: List

Reference Object: */axapi/v3/slb/forward-proxy/time-range/{name}*

forward-proxy_time-range-list

Specification	Value
Type	*list*
Block object keys	

daily-begin

Description Daily enables after this time (HH:MM, 24-hour notation)

Type: string

Maximum Length: 5 characters

Maximum Length: 4 characters

daily-end

Description Daily enables until thie time (HH:MM, 24-hour notation, inclusive)

Type: string

Maximum Length: 5 characters

Maximum Length: 4 characters

days-of-month-begin

Description Recurring enables after this day per month

Type: number

Range: 1-31

days-of-month-end

Description Recurring enables until this day per month (inclusive)

Type: number

Range: 1-31

months-of-year-begin

Description Recurring enables after this month per year

Type: number

Range: 1-12

months-of-year-end

Description Recurring enables until this month per year (inclusive)

Type: number

Range: 1-12

name

Description Name of this object

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-utc-time

Description Use UTC+0 time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weekday-fr

Description Recurring enables on Friday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-mo

Description Recurring enables on Monday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-sa

Description Recurring enables on Saturday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-su

Description Recurring enables on Sunday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-th

Description Recurring enables on Thursday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-tu

Description Recurring enables on Tuesday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-we

Description Recurring enables on Wednesday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy_notify-page-list

Specification	Value
Type	*list*
Block object keys	

message

Description Message in notify page

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

name

Description Name of this object

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tsig

Specification	Value
Type	*object*

check

Description Check TSIG file

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-acme-cert-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

perf

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

perf_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-throughput-bits-per-sec': Total Throughput in bits/sec; 'l4-conns-per-sec': L4 Connections/sec; 'l7-conns-per-sec': L7 Connections/sec; 'l7-trans-per-sec': L7 Transactions/sec; 'ssl-conns-per-sec': SSL Connections/sec; 'ip-nat-conns-per-sec': IP NAT Connections/sec; 'total-new-conns-per-sec': Total New Connections Established/sec; 'total-curr-conns': Total Current Established Connections; 'l4-bandwidth': L4 Bandwidth in bits/sec; 'l7-bandwidth': L7 Bandwidth in bits/sec; 'serv-ssl-conns-per-sec': Server SSL Connections/sec; 'fw-conns-per-sec': FW Connections/sec; 'gifw-conns-per-sec': GiFW Connections/sec; 'l7-proxy-conns-per-sec': L7 Proxy Connections/sec; 'l7-proxy-trans-per-sec': L7 Proxy Transactions/sec;

Type: string

Supported Values: all, total-throughput-bits-per-sec, l4-conns-per-sec, l7-conns-per-sec, l7-trans-per-sec, ssl-conns-per-sec, ip-nat-conns-per-sec, total-new-conns-per-sec, total-curr-conns, l4-bandwidth, l7-bandwidth, serv-ssl-conns-per-sec, fw-conns-per-sec, gifw-conns-per-sec, l7-proxy-conns-per-sec, l7-proxy-trans-per-sec

dns

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slb_req': No. of requests; 'slb_resp': No. of responses; 'slb_no_resp': No. of requests with no response; 'slb_req_rexmit': No. of requests retransmit; 'slb_resp_no_match': No. of requests and responses with no match; 'slb_no_resource': No. of resource failures; 'nat_req': (NAT) No. of requests; 'nat_resp': (NAT) No. of responses; 'nat_no_resp': (NAT) No. of resource failures; 'nat_req_rexmit': (NAT) No. of request retransmits; 'nat_resp_no_match': (NAT) No. of requests with no response; 'nat_no_resource': (NAT) No. of resource failures; 'nat_xid_reused': (NAT) No. of requests reusing a transaction id; 'filter_type_drop': Total Query Type Drop; 'filter_class_drop': Total Query Class Drop; 'filter_type_any_drop': Total Query ANY Type Drop; 'slb_dns_client_ssl_succ': No. of client ssl success; 'slb_dns_server_ssl_succ': No. of server ssl success; 'slb_dns_udp_conn': No. of backend udp connections; 'slb_dns_udp_conn_succ': No. of backend udp conn established; 'slb_dns_padding_to_server_removed': some help string; 'slb_dns_padding_to_client_added': some help string; 'slb_dns_edns_subnet_to_server_removed': some help string; 'slb_dns_udp_retransmit': some help string; 'slb_dns_udp_retransmit_fail': some help string; 'rpz_action_drop': RPZ Action Drop; 'rpz_action_pass_thru': RPZ Action Pass Through; 'rpz_action_tcp_only': RPZ Action TCP Only; 'rpz_action_nxdomain': RPZ Action NXDOMAIN; 'rpz_action_nodata': RPZ Action NODATA; 'rpz_action_local_data': RPZ Action Local Data; 'slb_drop': DNS requests drop; 'nat_slb_drop': (NAT)DNS requests drop; 'invalid_q_len_to_udp': invalid query length to conver to UDP; 'slb_dns_edns_ecs_received': Number of ecs from client received; 'slb_dns_edns_ecs_inserted': Number of ecs inserted;

Type: string

Supported Values: all, slb_req, slb_resp, slb_no_resp, slb_req_rexmit, slb_resp_no_match, slb_no_resource, nat_req, nat_resp, nat_no_resp, nat_req_rexmit, nat_resp_no_match, nat_no_resource, nat_xid_reused, filter_type_drop, filter_class_drop, filter_type_any_drop, slb_dns_client_ssl_succ, slb_dns_server_ssl_succ, slb_dns_udp_conn, slb_dns_udp_conn_succ, slb_dns_padding_to_server_removed, slb_dns_padding_to_client_added, slb_dns_edns_subnet_to_server_removed, slb_dns_udp_retransmit, slb_dns_udp_retransmit_fail, rpz_action_drop, rpz_action_pass_thru, rpz_action_tcp_only, rpz_action_nxdomain, rpz_action_nodata, rpz_action_local_data, slb_drop, nat_slb_drop, invalid_q_len_to_udp, slb_dns_edns_ecs_received, slb_dns_edns_ecs_inserted

virtual-server-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description acl id

Type: number

Range: 1-199

Mutual Exclusion: acl-id,acl-name, p-acl, and shared-partition-acl are mutually exclusive

acl-id-shared

Description acl id

Type: number

Range: 1-199

Mutual Exclusion: acl-id-shared and acl-name-shared are mutually exclusive

acl-name

Description Access List name (IPv4 Access List Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name,acl-id, p-acl, and shared-partition-acl are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

acl-name-shared

Description Access List name (IPv4 Access List Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-shared and acl-id-shared are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

arp-disable

Description Disable Respond to Virtual Server ARP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Create a description for VIP

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

disable-vip-adv

Description Disable virtual server GARP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-disable-action

Description 'enable': Enable Virtual Server (default); 'disable': Disable Virtual Server; 'disable-when-all-ports-down': Disable Virtual Server when all member ports are down; 'disable-when-any-port-down': Disable Virtual Server when any member port is down;

Type: string

Supported Values: enable, disable, disable-when-all-ports-down, disable-when-any-port-down

Default: enable

ethernet

Description Ethernet interface

Type: number

Format: interface

extended-stats

Description Enable extended statistics on virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gaming-protocol-compliance

Description Enable Gaming Protocol Compliance Check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-dynamic

Description Dynamic failover based on vip status

Type: number

Range: 1-255

ip-address

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address, ipv6-address, and use-if-ip are mutually exclusive

ipv6-acl

Description ipv6 acl name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: ipv6-acl, p-ipv6-acl, and shared-partition-ipv6-acl are mutually exclusive

Reference Object: */axapi/v3/ipv6/access-list*

ipv6-acl-shared

Description ipv6 acl name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address, ip-address, and use-if-ip are mutually exclusive

migrate-vip

Description: migrate-vip is a **JSON Block**. Please see below for *virtual-server-list_migrate-vip*

Type: Object

Reference Object: */axapi/v3/slb/virtual-server/{name}/migrate-vip*

name

Description SLB Virtual Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask-brief

port-list

Type: List

Reference Object: */axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}*

redistribute-route-map

Description Route map reference (Name of route-map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribution-flagged

Description Flag VIP for special redistribution handling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-vs-template

Description Reference a virtual-server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-vs-template and template-virtual-server are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual server; 'stats-data-disable': Disable statistical data collection for virtual server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

suppress-internal-loopback

Description Suppress VIP internal loopback programming

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-logging

Description NAT Logging template (NAT Logging template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/template/logging*

template-policy

Description Policy template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-virtual-server

Description Virtual server template (Virtual server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-virtual-server and shared-partition-vs-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/virtual-server*

template-virtual-server-shared

Description Virtual-Server Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/virtual-server*

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip, ipv6-address, and ip-address are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vport-disable-action

Description 'drop-packet': Drop packet for disabled virtual-port;

Type: string

Supported Values: drop-packet

vrid

Description Join a vrrp group (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

virtual-server-list_port-list

Specification	Value
Type	*list*
Block object keys	

acl-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

aflex-scripts

Type: List

aflex-table-entry-syn-disable

Description Disable aFlex entry sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-disable and aflex-table-entry-syn-enable are mutually exclusive

aflex-table-entry-syn-enable

Description Enable aFlex entry sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-enable and aflex-table-entry-syn-disable are mutually exclusive

alt-protocol1

Description 'http': HTTP Port;

Type: string

Supported Values: http

alt-protocol2

Description 'tcp': TCP LB service;

Type: string

Supported Values: tcp

alternate-port

Description Alternate Virtual Port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: alternate-port and range are mutually exclusive

alternate-port-number

Description Virtual Port

Type: number

Range: 0-65534

attack-detection

Description Enable analytics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *virtual-server-list_port-list_auth-cfg*

Type: Object

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clientip-sticky-nat

Description Prefer to use same source NAT address for a client

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

cpu-compute

Description enable cpu compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

def-selection-if-pref-failed

Description 'def-selection-if-pref-failed': Use default server selection method if prefer method failed; 'def-selection-if-pref-failed-disable': Stop using default server selection method if prefer method failed;

Type: string

Supported Values: def-selection-if-pref-failed, def-selection-if-pref-failed-disable

Default: def-selection-if-pref-failed

enable-playerid-check

Description Enable playerid checks on UDP packets once the AX is in active mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-scaleout

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-fwd

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-fwd and trunk-fwd are mutually exclusive

eth-rev

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-rev and trunk-rev are mutually exclusive

expand

Description expand syn-cookie with timestamp and wscale

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended-stats

Description Enable extended statistics on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-dns-cache

Description 'force-enable': Always enable; 'force-disable': Always disable; 'depends-on-config': Depends on configurations;

Type: string

Supported Values: force-enable, force-disable, depends-on-config

fast-path

Description 'force': Force fast path in SLB processing; 'disable': Disable fast path in SLB processing;

Type: string

Supported Values: force, disable

force-routing-mode

Description Force routing mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-enable

Description Enable Global Server Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-session-lb

Description Enable GTP Session Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-conn-mirror

Description Enable for HA Conn sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-global

Description Ignore global substitute-source-mac

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-map-list

Description Enter name of IP Map List to be bound (IP Map List Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-only-lb

Description Enable IP-Only LB mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-smart-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipinip

Description Enable IP in IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-hardware-assist

Description FPGA assist L7 packet parsing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-service-chain

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

memory-compute

Description enable dynamic memory compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-switching

Description Message switching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SLB Virtual Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ng-waf

Description Next-gen WAF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-dest-nat

Description Disable destination NAT, this option only supports in wildcard VIP or when a connection is operated in SSLi + EP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

on-syn

Description Enable for HA Conn sync for l4 tcp sessions on SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn

Description Support server that allow only one connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

optimization-level

Description '0': No optimization; '1': Optimization level 1 (Experimental);

Type: string

Supported Values: 0, 1

Default: 0

p-template-sip-shared

Description SIP Template Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: p-template-sip-shared and template-sip are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl*

persist-type

Description 'src-dst-ip-swap-persist': Create persist session after source IP and destination IP swap; 'use-src-ip-for-dst-persist': Use the source IP to create a destination persist session; 'use-dst-ip-for-src-persist': Use the destination IP to create source IP persist session;

Type: string

Supported Values: src-dst-ip-swap-persist, use-src-ip-for-dst-persist, use-dst-ip-for-src-persist

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pool and shared-partition-pool are mutually exclusive

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-number

Description Port

Type: number

Range: 0-65534

port-translation

Description Enable port translation under no-dest-nat

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'mqtt': MQTT Port; 'mqtts': MQTTS Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'ssh':

SSH Port; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port; 'fast-fix': Fast FIX port; 'http-over-quic': HTTP3-over-quic port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix, http-over-quic

proxy-layer

Description 'v1': Force using old proxy; 'v2': Force using new proxy;

Type: string

Supported Values: v1, v2

range

Description Virtual Port range (Virtual Port range value)

Type: number

Range: 0-254

Default: 0

Mutual Exclusion: range and alternate-port are mutually exclusive

rate

Description Specify the log message rate

Type: number

Range: 0-2147483647

redirect-to-https

Description Redirect HTTP to HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reply-acme-challenge

Description Reply ACME http-01 challenge. This option only takes effect in HTTP port 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-fail

Description Use alternate virtual port when L7 request fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reselection

Description 'disable': disable;

Type: string

Supported Values: disable

reset

Description Send client reset when connection number over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-on-server-selection-fail

Description Send client reset when server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: reset-on-server-selection-fail and when-server-selection-failed are mutually exclusive

resolve-web-cat-list

Description Web Category List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

rtp-sip-call-id-match

Description rtp traffic try to match the real server of sip smp call-id session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

secs

Description Specify the interval in seconds

Type: number

Range: 1-100

serv-sel-fail

Description Use alternate virtual port when server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-group

Description Bind a use-rcv-hop-for-resp Server Group to this Virtual Server (Server Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server-group*

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-cache-template

Description Reference a Cache template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cache-template and template-cache are mutually exclusive

shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-client-ssl-template and template-client-ssl are mutually exclusive

shared-partition-connection-reuse-template

Description Reference a connection reuse template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-connection-reuse-template and template-connection-reuse are mutually exclusive

shared-partition-dblb-template

Description Reference a dblb template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dblb-template and template-dblb are mutually exclusive

shared-partition-diameter-template

Description Reference a Diameter template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-diameter-template and template-diameter are mutually exclusive

shared-partition-dns-template

Description Reference a dns template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and template-dns are mutually exclusive

shared-partition-doh-template

Description Reference a DNS over HTTP(s) template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-doh-template and template-doh are mutually exclusive

shared-partition-dynamic-service-template

Description Reference a dynamic service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dynamic-service-template and template-dynamic-service are mutually exclusive

shared-partition-external-service-template

Description Reference a external service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-external-service-template and template-external-service are mutually exclusive

shared-partition-fix-template

Description Reference a FIX template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-fix-template and template-fix are mutually exclusive

shared-partition-http-policy-template

Description Reference a http policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-policy-template and template-http-policy are mutually exclusive

shared-partition-http-template

Description Reference a HTTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-template and template-http are mutually exclusive

shared-partition-imap-pop3-template

Description Reference a IMAP/POP3 template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-imap-pop3-template and template-imap-pop3 are mutually exclusive

shared-partition-persist-cookie-template

Description Reference a persist cookie template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-cookie-template and template-persist-cookie are mutually exclusive

shared-partition-persist-destination-ip-template

Description Reference a persist destination ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-destination-ip-template and template-persist-destination-ip are mutually exclusive

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and template-persist-source-ip are mutually exclusive

shared-partition-persist-ssl-sid-template

Description Reference a persist SSL SID template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-ssl-sid-template and template-persist-ssl-sid are mutually exclusive

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-pool

Description Specify NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-quic-template

Description Reference a QUIC template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-quic-template and template-quic are mutually exclusive

shared-partition-server-ssl-template

Description Reference a SSL Server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-ssl-template and template-server-ssl are mutually exclusive

shared-partition-smpp-template

Description Reference a smpp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smpp-template and template-smpp are mutually exclusive

shared-partition-smtp-template

Description Reference a SMTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smtp-template and template-smtp are mutually exclusive

shared-partition-tcp

Description Reference a tcp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp and template-tcp are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and template-tcp-proxy are mutually exclusive

shared-partition-udp

Description Reference a UDP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-udp and template-udp are mutually exclusive

shared-partition-virtual-port-template

Description Reference a Virtual Port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-virtual-port-template and template-virtual-port are mutually exclusive

showtech-print-extended-stats

Description Enable print extended stats in showtech for dns vports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-rev-hash

Description Skip rev tuple hash insertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual port; 'stats-data-disable': Disable statistical data collection for virtual port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

support-http2

Description Support HTTP2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Enable syn-cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cache and shared-partition-cache-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/cache*

template-cache-shared

Description Cache Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cache*

template-client-ssh

Description Client SSH Template (Client SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssh*

template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-client-ssl and shared-partition-client-ssl-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/client-ssl*

template-client-ssl-shared

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

template-connection-reuse

Description Connection Reuse Template (Connection Reuse Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-connection-reuse and shared-partition-connection-reuse-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/connection-reuse*

template-connection-reuse-shared

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/connection-reuse*

template-dblb

Description DBLB Template (DBLB template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dblb and shared-partition-dblb-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dblb*

template-dblb-shared

Description DBLB Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dblb*

template-diameter

Description Diameter Template (diameter template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-diameter and shared-partition-diameter-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/diameter*

template-diameter-shared

Description Diameter Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/diameter*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dns and shared-partition-dns-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dns*

template-dns-shared

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns*

template-doh

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-doh and shared-partition-doh-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/doh*

template-doh-shared

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/doh*

template-dynamic-service

Description Dynamic Service Template (dynamic-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dynamic-service and shared-partition-dynamic-service-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dynamic-service*

template-dynamic-service-shared

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dynamic-service*

template-external-service

Description External service template (external-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-external-service and shared-partition-external-service-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/external-service*

template-external-service-shared

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/external-service*

template-fix

Description FIX template (FIX Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-fix and shared-partition-fix-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/fix*

template-fix-shared

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/fix*

template-ftp

Description FTP port template (Ftp template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/ftp*

template-http

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http and shared-partition-http-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/http*

template-http-policy

Description http-policy template (http-policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http-policy and shared-partition-http-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/http-policy*

template-http-policy-shared

Description Http Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/http-policy*

template-http-shared

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/http*

template-imap-pop3

Description IMAP/POP3 Template (IMAP/POP3 Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-imap-pop3 and shared-partition-imap-pop3-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/imap-pop3*

template-imap-pop3-shared

Description IMAP/POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/imap-pop3*

template-mqtt

Description MQTT Template (MQTT Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/mqtt*

template-persist-cookie

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-cookie and shared-partition-persist-cookie-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/cookie*

template-persist-cookie-shared

Description Cookie Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/cookie*

template-persist-destination-ip

Description Destination IP persistence (Destination IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-destination-ip and shared-partition-persist-destination-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-destination-ip-shared

Description Destination IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-source-ip

Description Source IP persistence (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-ssl-sid

Description SSL SID persistence (SSL SID persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-ssl-sid and shared-partition-persist-ssl-sid-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/ssl-sid*

template-persist-ssl-sid-shared

Description SSL SID Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/ssl-sid*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

template-quic

Description QUIC Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-quic and shared-partition-quic-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/quic*

template-quic-client

Description QUIC Config Client (QUIC Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-quic-server

Description QUIC Config Server (QUIC Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-quic-shared

Description QUIC Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-ram-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cache*

template-reqmod-icap

Description ICAP reqmod template (reqmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/reqmod-icap*

template-respmod-icap

Description ICAP respmod service template (respmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/respmod-icap*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template-server-ssh

Description Server SSH Template (Server SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssh*

template-server-ssl

Description Server Side SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-server-ssl and shared-partition-server-ssl-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/server-ssl*

template-server-ssl-shared

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

template-sip

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-sip and p-template-sip-shared are mutually exclusive

Reference Object: */axapi/v3/slb/template/sip*

template-sip-shared

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/sip*

template-smpp

Description SMPP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smpp and shared-partition-smpp-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/smpp*

template-smpp-shared

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/smpp*

template-smtp

Description SMTP Template (SMTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smtp and shared-partition-smtp-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/smtp*

template-smtp-shared

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/smtp*

template-ssli

Description SSLi template (SSLi Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/ssli*

template-tcp

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-tcp and shared-partition-tcp are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp*

template-tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-client

Description TCP Proxy Config Client (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-server

Description TCP Proxy Config Server (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-shared

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/tcp*

template-udp

Description L4 UDP Template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-udp and shared-partition-udp are mutually exclusive

Reference Object: */axapi/v3/slb/template/udp*

template-udp-shared

Description UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/udp*

template-virtual-port

Description Virtual port template (Virtual port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-virtual-port and shared-partition-virtual-port-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/virtual-port*

template-virtual-port-shared

Description Virtual Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/virtual-port*

trunk-fwd

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-fwd and eth-fwd are mutually exclusive

trunk-rev

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-rev and eth-rev are mutually exclusive

use-alternate-port

Description Use alternate virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-cgnv6

Description Follow CGNv6 source NAT configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-default-if-no-server

Description Use default forwarding if server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-for-resp

Description Use receive hop for response to client(For packets on default-vlan, also config "vlan-global enable-def-vlan-l2-forwarding".)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-group

Description Set use-rcv-hop group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

view

Description Specify a GSLB View (ID)

Type: number

Range: 1-31

when-down

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-down-protocol2

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-server-selection-failed

Description 'send-504': Stay functional up and response with HTTP 504;

Type: string

Supported Values: send-504

Mutual Exclusion: when-server-selection-failed and reset-on-server-selection-fail are mutually exclusive

virtual-server-list_port-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current established connections; 'total_l4_conn': Total L4 connections established; 'total_l7_conn': Total L7 connections established; 'total_tcp_conn': Total TCP connections established; 'total_conn': Total connections established; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_dns_pkts': Total DNS packets processed; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total failure actions; 'compression_bytes_before': Data into gzip compression engine; 'compression_bytes_after': Data out of gzip compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn': Peak connections; 'curr_conn_rate': Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest

response time; 'slowest_rsp_time': Slowest response time; 'loc_permit': Geo-location Permit count; 'loc_deny': Geo-location Deny count; 'loc_conn': Geo-location Connection count; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'backend-time-to-first-byte': Backend Time from Request to Response First Byte; 'backend-time-to-last-byte': Backend Time from Request to Response Last Byte; 'in-latency': Request Latency at Thunder; 'out-latency': Response Latency at Thunder; 'total_fwd_bytes_out': Bytes processed in forward direction (outbound); 'total_fwd_pkts_out': Packets processed in forward direction (outbound); 'total_rev_bytes_out': Bytes processed in reverse direction (outbound); 'total_rev_pkts_out': Packets processed in reverse direction (outbound); 'curr_req_rate': Current request rate; 'curr_resp': Current response; 'total_resp': Total response; 'total_resp_succ': Total successful responses; 'curr_resp_rate': Current response rate; 'dnsrrl_total_allowed': DNS Response-Rate-Limiting Total Responses Allowed; 'dnsrrl_total_dropped': DNS Response-Rate-Limiting Total Responses Dropped; 'dnsrrl_total_slipped': DNS Response-Rate-Limiting Total Responses Slipped; 'dnsrrl_bad_fqdn': DNS Response-Rate-Limiting Bad FQDN; 'throughput-bits-per-sec': Throughput in bits/sec; 'dynamic-memory-alloc': dynamic memory (bytes) allocated by the vport; 'dynamic-memory-free': dynamic memory (bytes) allocated by the vport; 'dynamic-memory': dynamic memory (bytes) used by the vport(alloc-free); 'ip_only_lb_fwd_bytes': IP-Only-LB Bytes processed in forward direction; 'ip_only_lb_rev_bytes': IP-Only-LB Bytes processed in reverse direction; 'ip_only_lb_fwd_pkts': IP-Only-LB Packets processed in forward direction; 'ip_only_lb_rev_pkts': IP-Only-LB Packets processed in reverse direction; 'total_dns_filter_type_drop': Total DNS Filter Type Drop; 'total_dns_filter_class_drop': Total DNS Filter Class Drop; 'dns_filter_type_a_drop': DNS Filter Type A Drop; 'dns_filter_type_aaaa_drop': DNS Filter Type AAAA Drop; 'dns_filter_type_cname_drop': DNS Filter Type CNAME Drop; 'dns_filter_type_mx_drop': DNS Filter Type MX Drop; 'dns_filter_type_ns_drop': DNS Filter Type NS Drop; 'dns_filter_type_srv_drop': DNS Filter Type SRV Drop; 'dns_filter_type_ptr_drop': DNS Filter Type PTR Drop; 'dns_filter_type_soa_drop': DNS Filter Type SOA Drop; 'dns_filter_type_txt_drop': DNS Filter Type TXT Drop; 'dns_filter_type_any_drop': DNS Filter Type Any Drop; 'dns_filter_type_others_drop': DNS Filter Type OTHERS Drop; 'dns_filter_class_internet_drop': DNS Filter Class INTERNET Drop; 'dns_filter_class_chaos_drop': DNS Filter Class CHAOS Drop; 'dns_filter_class_hesiod_drop': DNS Filter Class HESIOD Drop; 'dns_filter_class_none_drop': DNS Filter Class NONE Drop; 'dns_filter_class_any_drop': DNS Filter Class ANY Drop; 'dns_filter_class_others_drop': DNS Filter Class OTHERS Drop; 'dns_rpz_action_drop': DNS RPZ Action Drop; 'dns_rpz_action_pass_thru': DNS RPZ Action Pass Through; 'dns_rpz_action_tcp_only': DNS RPZ Action TCP Only; 'dns_rpz_action_nxdomain': DNS RPZ Action NXDOMAIN; 'dns_rpz_action_nodata': DNS RPZ Action NODATA; 'dns_rpz_action_local_data': DNS RPZ Action Local Data; 'dns_rpz_trigger_client_ip': DNS RPZ Trigger Client IP; 'dns_rpz_trigger_resp_ip': DNS RPZ Trigger Response IP; 'dns_rpz_trigger_ns_ip': DNS RPZ Trigger NS IP; 'dns_rpz_trigger_qname': DNS RPZ Trigger Qname IP; 'dns_rpz_trigger_ns_name': DNS RPZ Trigger NS Name; 'compression_bytes_before_br': Data into brotli compression engine; 'compression_bytes_after_br': Data out of brotli compression engine; 'compression_bytes_before_total': Data into compression engine; 'compression_bytes_after_total': Data out of compression engine; 'compression_hit_br': Number of requests compressed with brotli; 'compression_miss_br': Number of requests NOT compressed with brotli; 'compression_hit_total': Number of requests compressed; 'compression_miss_total': Number of requests NOT compressed; 'dnsrrl_total_tc': DNS Response-Rate-Limiting Total Responses Replied With Truncated; 'http1_client_idle_timeout': HTTP1 Client Idle Timeout; 'http2_client_idle_timeout': HTTP2 Client Idle Timeout;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, total_tcp_conn, to-

tal_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time, loc_permit, loc_deny, loc_conn, curr_ssl_conn, total_ssl_conn, backend-time-to-first-byte, backend-time-to-last-byte, in-latency, out-latency, total_fwd_bytes_out, total_fwd_pkts_out, total_rev_bytes_out, total_rev_pkts_out, curr_req_rate, curr_resp, total_resp, total_resp_succ, curr_resp_rate, dnsrrl_total_allowed, dnsrrl_total_dropped, dnsrrl_total_slipped, dnsrrl_bad_fqdn, throughput-bits-per-sec, dynamic-memory-alloc, dynamic-memory-free, dynamic-memory, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts, total_dns_filter_type_drop, total_dns_filter_class_drop, dns_filter_type_a_drop, dns_filter_type_aaaa_drop, dns_filter_type_cname_drop, dns_filter_type_mx_drop, dns_filter_type_ns_drop, dns_filter_type_srv_drop, dns_filter_type_ptr_drop, dns_filter_type_soa_drop, dns_filter_type_txt_drop, dns_filter_type_any_drop, dns_filter_type_others_drop, dns_filter_class_internet_drop, dns_filter_class_chaos_drop, dns_filter_class_hesiod_drop, dns_filter_class_none_drop, dns_filter_class_any_drop, dns_filter_class_others_drop, dns_rpz_action_drop, dns_rpz_action_pass_thru, dns_rpz_action_tcp_only, dns_rpz_action_nxdomain, dns_rpz_action_nodata, dns_rpz_action_local_data, dns_rpz_trigger_client_ip, dns_rpz_trigger_resp_ip, dns_rpz_trigger_ns_ip, dns_rpz_trigger_qname, dns_rpz_trigger_ns_name, compression_bytes_before_br, compression_bytes_after_br, compression_bytes_before_total, compression_bytes_after_total, compression_hit_br, compression_miss_br, compression_hit_total, compression_miss_total, dnsrrl_total_tc, http1_client_idle_timeout, http2_client_idle_timeout, dnsrrl_nx_exceed

virtual-server-list_port-list_acl-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

Mutual Exclusion: acl-id, p-acl, and shared-partition-acl are mutually exclusive

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-shared

Description acl id

Type: number

Range: 1-199

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-id-src-nat-pool and shared-partition-pool-id are mutually exclusive

acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-shared

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-src-nat-pool, shared-partition-pool-name, and v-shared-partition-pool-name are mutually exclusive

acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-id and acl-id-src-nat-pool are mutually exclusive

shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

v-acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: v-acl-id-src-nat-pool and v-shared-partition-pool-id are mutually exclusive

v-acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v-acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v-acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v-shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-id and v-acl-id-src-nat-pool are mutually exclusive

v-shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

virtual-server-list_port-list_aflex-scripts

Specification	Value
Type	*list*
Block object keys	

aflex

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

aflex-shared

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

virtual-server-list_port-list_auth-cfg

Specification	Value
Type	*object*

aaa-policy

Description Specify AAA policy name to bind to the virtual port

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/aaa-policy*

virtual-server-list_migrate-vip

Specification	Value
Type	*object*

cancel-migration

Description Cancel migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cancel-migration and finish-migration are mutually exclusive

finish-migration

Description Complete the migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: finish-migration and cancel-migration are mutually exclusive

target-data-cpu

Description Number of CPUs on the target platform

Type: number

Range: 1-75

target-floating-ipv4

Description Specify IP address

Type: string

Format: ipv4-address

Mutual Exclusion: target-floating-ipv4 and target-floating-ipv6 are mutually exclusive

target-floating-ipv6

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: target-floating-ipv6 and target-floating-ipv4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'feat': feat packet; 'cc': clear ctrl port packet; 'data_ssl': data ssl force; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'auth_tls': auth tls cmd; 'prot': prot cmd; 'pbsz': pbsz cmd; 'pasv': pasv cmd; 'port': port cmd; 'request_dont_care': other cmd; 'client_auth_tls': client auth tls; 'cant_find_pasv': cant find pasv; 'pasv_addr_ne_server': psv addr not equal to svr; 'smp_create_fail': smp create fail; 'data_server_conn_fail': data svr conn fail; 'data_send_fail': data send fail; 'epsv': epsv command; 'cant_find_epsv': cant find epsv; 'data_curr': Current Data Proxy; 'data_total': Total Data Proxy; 'auth_unsupported': Unsupported auth; 'adat': adat cmd; 'unsupported_pbsz_value': Unsupported PBSZ; 'unsupported_prot_value': Unsupported PROT; 'unsupported_command': Unsupported cmd; 'control_to_clear': Control chn clear txt; 'control_to_ssl': Control chn ssl; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'data_conn_start_err': Data Start state error; 'data_serv_connecting_err': Data Serv CTNG error; 'data_serv_connected_err': Data Serv CTED error; 'request': Total FTP Request; 'auth_req': Auth Request; 'auth_succ': Auth Success; 'auth_fail': Auth Failure; 'fwd_to_internet': Forward to Internet; 'fwd_to_sg': Total

Forward to Service-group; 'drop': Total FTP Drop; 'ds_succ': Host Domain Name is resolved; 'ds_fail': Host Domain Name isn't resolved; 'open': open cmd; 'site': site cmd; 'user': user cmd; 'pass': pass cmd; 'quit': quit cmd; 'eprt': eprt cmd; 'cant_find_port': cant find port; 'cant_find_eprt': cant find eprt;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, feat, cc, data_ssl, line_too_long, line_mem_freed, invalid_start_line, auth_tls, prot, pbsz, pasv, port, request_dont_care, client_auth_tls, cant_find_pasv, pasv_addr_ne_server, smp_create_fail, data_server_conn_fail, data_send_fail, epsv, cant_find_epsv, data_curr, data_total, auth_unsupported, adat, unsupported_pbsz_value, unsupported_prot_value, unsupported_command, control_to_clear, control_to_ssl, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, data_conn_start_err, data_serv_connecting_err, data_serv_connected_err, request, auth_req, auth_succ, auth_fail, fwd_to_internet, fwd_to_sg, drop, ds_succ, ds_fail, open, site, user, pass, quit, eprt, cant_find_port, cant_find_eprt

quic

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

quic_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client_conn_attempted': Client connection attempted; 'client_conn_handshake': Client connection handshake; 'client_conn_created': Client connection created; 'client_conn_local_closed': Client connection local closed; 'client_conn_remote_closed': Client connection remote closed; 'client_conn_failed': Client connection failed; 'server_conn_attempted': Server connection attempted; 'server_conn_handshake': Server connection handshake; 'server_conn_created': Server connection created; 'server_conn_local_closed': Server connection local closed; 'server_conn_remote_closed': Server connection remote closed; 'server_conn_failed': Server connection failed; 'q_conn_created': Q connection created; 'q_conn_freed': Q connection

freed; ‘local_bi_stream_created’: Local bi-stream created; ‘remote_bi_stream_created’: Remote bi-stream created; ‘local_bi_stream_closed’: Local bi-stream closed; ‘remote_bi_stream_closed’: Remote bi-stream closed; ‘local_uni_stream_created’: Local uni-stream created; ‘remote_uni_stream_created’: Remote uni-stream created; ‘local_uni_stream_closed’: Local uni-stream closed; ‘remote_uni_stream_closed’: Remote uni-stream closed; ‘stream_error’: Stream error; ‘padding_frame_rx’: padding frame receive; ‘padding_frame_tx’: padding frame send; ‘ping_frame_rx’: ping frame receive; ‘ping_frame_tx’: ping frame send; ‘ack_frame_rx’: ack frame receive; ‘ack_frame_tx’: ack frame send; ‘ack_ecn_frame_rx’: ack enc frame receive; ‘ack_ecn_frame_tx’: ack enc frame send; ‘stream_rst_frame_rx’: stream reset frame receive; ‘stream_rst_frame_tx’: stream reset frame send; ‘stream_stop_frame_rx’: stream stop frame receive; ‘stream_stop_frame_tx’: stream stop frame send; ‘crypto_frame_rx’: crypto frame receive; ‘crypto_frame_tx’: crypto frame send; ‘new_token_frame_rx’: new token frame receive; ‘new_token_frame_tx’: new token frame send; ‘stream_frame_rx’: stream frame receive; ‘stream_frame_tx’: stream frame send; ‘stream_09_frame_rx’: stream 09 frame receive; ‘stream_09_frame_tx’: stream 09 frame send; ‘stream_0a_frame_rx’: stream 0a frame receive; ‘stream_0a_frame_tx’: stream 0a frame send; ‘stream_0b_frame_rx’: stream 0b frame receive; ‘stream_0b_frame_tx’: stream 0b frame send; ‘stream_0c_frame_rx’: stream 0c frame receive; ‘stream_0c_frame_tx’: stream 0c frame send; ‘stream_0d_frame_rx’: stream 0d frame receive; ‘stream_0d_frame_tx’: stream 0d frame send; ‘stream_0e_frame_rx’: stream 0e frame receive; ‘stream_0e_frame_tx’: stream 0e frame send; ‘stream_0f_frame_rx’: stream 0f frame receive; ‘stream_0f_frame_tx’: stream 0f frame send; ‘max_data_frame_rx’: max data frame receive; ‘max_data_frame_tx’: max data frame send; ‘max_stream_data_frame_rx’: max stream data frame receive; ‘max_stream_data_frame_tx’: max stream data frame send; ‘max_bi_stream_frame_rx’: max bi stream frame receive; ‘max_bi_stream_frame_tx’: max bi stream frame send; ‘max_uni_stream_frame_rx’: max uni stream frame receive; ‘max_uni_stream_frame_tx’: max uni stream frame send; ‘data_blocked_frame_rx’: data blocked frame receive; ‘data_blocked_frame_tx’: data blocked frame send; ‘stream_data_blocked_frame_rx’: stream data blocked frame receive; ‘stream_data_blocked_frame_tx’: stream data blocked frame send; ‘bi_stream_data_blocked_frame_rx’: bi stream data blocked frame receive; ‘bi_stream_data_blocked_frame_tx’: bi stream data blocked frame send; ‘uni_stream_data_blocked_frame_rx’: uni stream data blocked frame receive; ‘uni_stream_data_blocked_frame_tx’: uni stream data blocked frame send; ‘new_conn_id_frame_rx’: new conn id frame receive; ‘new_conn_id_frame_tx’: new conn id frame send; ‘retire_conn_id_frame_rx’: retire conn id frame receive; ‘retire_conn_id_frame_tx’: retire conn id frame send; ‘path_challenge_frame_rx’: path challenge frame receive; ‘path_challenge_frame_tx’: path challenge frame send; ‘path_response_frame_rx’: path response frame receive; ‘path_response_frame_tx’: path response frame send; ‘conn_close_frame_rx’: conn close frame receive; ‘conn_close_frame_tx’: conn close frame send; ‘app_conn_close_frame_rx’: app conn close frame receive; ‘app_conn_close_frame_tx’: app conn close frame send; ‘handshake_done_frame_rx’: handshake done frame receive; ‘handshake_done_frame_tx’: handshake done frame send; ‘unknown_frame’: Unknown frame; ‘stream_fin_receive’: Stream FIN receive; ‘stream_fin_up’: Stream FIN up; ‘stream_fin_down’: Stream FIN down; ‘stream_fin_send’: Stream FIN send; ‘stream_congest’: Stream congest; ‘stream_open’: Stream open; ‘stream_pause_data’: Stream pause data; ‘stream_resume_data’: Stream resume data; ‘stream_not_send’: Stream not send; ‘stream_created’: Stream created; ‘stream_freed’: Stream freed; ‘INITIAL_rx’: INITIAL receive; ‘INITIAL_tx’: INITIAL send; ‘RTT_0_rx’: RTT_0 receive; ‘RTT_0_tx’: RTT_0 send; ‘HANDSHAKE_rx’: HANDSHAKE receive; ‘HANDSHAKE_tx’: HANDSHAKE send; ‘RETRY_rx’: RETRY receive; ‘RETRY_tx’: RETRY send; ‘VER_rx’: Version receive; ‘VER_tx’: Version send; ‘RTT_updated’: RTT updated; ‘Needs_ack’: Needs ACK; ‘Delayed_ack’: Delayed ACK; ‘Packet_rx’: Packet receive; ‘Packet_tx’: Packet send; ‘Packet_tx_failed’: Packet send failed; ‘Congest_wnd_inc’: Congestion window increase; ‘Congest_wnd_dec’: Congestion window decrease; ‘No_congest_wnd’: No congestion

window; 'Burst_limited': Burst limited; 'Packet_loop_limited': Packet loop limited; 'Receive_wnd_limited': Receive window limited; 'Parse_error': Parse error; 'Error_close': Conn closed of error; 'Unknown_scid': Unknown scid; 'Dcid_mismatch': Dcid mismatch; 'Packet_too_short': Packet_too_short; 'Invalid_version': Invalid version; 'Invalid_Packet': Invalid packet; 'Invalid_conn_match': Invalid conn match; 'Invalid_session_packet': Invalid session packet; 'Stateless_reset': Stateless resert; 'Packet_lost': Packet lost; 'Packet_drop': Packet drop; 'Packet_retransmit': Packet retransmit; 'Packet_out_of_order': Packet out of order; 'Quic_packet_drop': Quic packet drop; 'Encode_error': Encode error; 'Decode_failed': Decode failed; 'Decode_stream_error': Decode stream error; 'Exceed_flow_control': Exceed flow control; 'Tx_buffer_enq': Tx buffer enqueued; 'Tx_buffer_deq': Tx buffer dequeued; 'App_buffer_enq': App buffer enqueued; 'App_buffer_deq': App buffer dequeued; 'App_buffer_queue_full': App buffer queue full; 'Iov_buffer_bind': Iov buffer bind; 'Iov_buffer_unbind': Iov buffer unbind; 'Iov_buffer_dup': Iov buffer dup; 'Iov_alloc_len': Iov alloc len; 'No_tx_queue': No tx queue; 'wsocket_created': wsocket created; 'wsocket_closed': wsocket closed; 'a10_socket_created': a10 socket created; 'a10_socket_closed': a10 socket closed; 'No_a10_socket': no a10 socket; 'No_other_side_socket': no other side socket; 'No_w_engine': no w engine; 'on_ld_timeout': lost detection timeout; 'idle_alarm': conn idle timeout; 'ack_alarm': ack timeout; 'quic_malloc': QUIC malloc; 'quic_free': QUIC free; 'quic_malloc_failure': QUIC malloc failure; 'quick_malloc_failure': quick malloc failure; 'quic_lb': QUIC LB; 'cid_zero': CID Zero; 'cid_cpu_hash': CID CPU Hash; 'invalid_cid_sig': Invalid CID Signature; 'key_update_rx': QUIC TLS key update received; 'key_update_tx': QUIC TLS key update sent;

Type: string

Supported Values: all, client_conn_attempted, client_conn_handshake, client_conn_created, client_conn_local_closed, client_conn_remote_closed, client_conn_failed, server_conn_attempted, server_conn_handshake, server_conn_created, server_conn_local_closed, server_conn_remote_closed, server_conn_failed, q_conn_created, q_conn_freed, local_bi_stream_current, remote_bi_stream_current, local_bi_stream_created, remote_bi_stream_created, local_bi_stream_closed, remote_bi_stream_closed, local_uni_stream_current, remote_uni_stream_current, local_uni_stream_created, remote_uni_stream_created, local_uni_stream_closed, remote_uni_stream_closed, stream_error, stream_fail_to_insert, padding_frame_rx, padding_frame_tx, ping_frame_rx, ping_frame_tx, ack_frame_rx, ack_frame_tx, ack_ecn_frame_rx, ack_ecn_frame_tx, stream_rst_frame_rx, stream_rst_frame_tx, stream_stop_frame_rx, stream_stop_frame_tx, crypto_frame_rx, crypto_frame_tx, new_token_frame_rx, new_token_frame_tx, stream_frame_rx, stream_frame_tx, stream_09_frame_rx, stream_09_frame_tx, stream_0a_frame_rx, stream_0a_frame_tx, stream_0b_frame_rx, stream_0b_frame_tx, stream_0c_frame_rx, stream_0c_frame_tx, stream_0d_frame_rx, stream_0d_frame_tx, stream_0e_frame_rx, stream_0e_frame_tx, stream_0f_frame_rx, stream_0f_frame_tx, max_data_frame_rx, max_data_frame_tx, max_stream_data_frame_rx, max_stream_data_frame_tx, max_bi_stream_frame_rx, max_bi_stream_frame_tx, max_uni_stream_frame_rx, max_uni_stream_frame_tx, data_blocked_frame_rx, data_blocked_frame_tx, stream_data_blocked_frame_rx, stream_data_blocked_frame_tx, bi_stream_data_blocked_frame_rx, bi_stream_data_blocked_frame_tx, uni_stream_data_blocked_frame_rx, uni_stream_data_blocked_frame_tx, new_conn_id_frame_rx, new_conn_id_frame_tx, retire_conn_id_frame_rx, retire_conn_id_frame_tx, path_challenge_frame_rx, path_challenge_frame_tx, path_response_frame_rx, path_response_frame_tx, conn_close_frame_rx, conn_close_frame_tx, app_conn_close_frame_rx, app_conn_close_frame_tx, handshake_done_frame_rx, handshake_done_frame_tx, unknown_frame, stream_fin_receive, stream_fin_up, stream_fin_down, stream_fin_send, stream_congest, stream_open, stream_pause_data, stream_resume_data, stream_not_send, stream_stop_send, stream_created, stream_freed, INITIAL_rx, INITIAL_tx, RTT_0_rx, RTT_0_tx, HAND-

SHAKE_rx, HANDSHAKE_tx, RETRY_rx, RETRY_tx, VER_rx, VER_tx, RTT_updated, Needs_ack, Delayed_ack, Packet_rx, Packet_tx, Packet_tx_failed, Congest_wnd_inc, Congest_wnd_dec, No_congest_wnd, Burst_limited, Packet_loop_limited, Receive_wnd_limited, Parse_error, Error_close, Unknown_scid, Dcid_mismatch, Packet_too_short, Invalid_version, Invalid_Packet, Invalid_conn_match, Invalid_session_packet, Stateless_reset, Packet_lost, Packet_drop, Packet_retransmit, Packet_out_of_order, Quic_packet_drop, Encode_error, Decode_failed, Decode_stream_error, Exceed_flow_control, Crypto_stream_not_found, Exceed_max_stream_id, Stream_id_mismatch, Ack_delay_huge, Ack_rng_huge_1, Ack_rng_huge_2, Ack_rng_huge_3, Too_noisy_fuzzing, Max_stream_too_big, Stream_blocked, New_conn_id_len_zero, New_conn_id_len_non_zero, Illegal_stream_len, Illegal_reason_len, Illegal_seq, Illegal_rpt, Illegal_len, Illegal_token_len, Cannot_insert_cid, Cannot_insert_srt, Cannot_retire_cid, No_next_scid, Token_len_too_long, Server_receive_new_token, Zero_frame_packet

counters2

Description 'Pkt_acked_failed': Pkt_acked_failed; 'Tx_buffer_enq': Tx buffer enqueued; 'Tx_buffer_deq': Tx buffer dequeued; 'App_buffer_enq': App buffer enqueued; 'App_buffer_deq': App buffer dequeued; 'App_buffer_queue_full': App buffer queue full; 'Iov_buffer_bind': Iov buffer bind; 'Iov_buffer_unbind': Iov buffer unbind; 'Iov_buffer_dup': Iov buffer dup; 'Iov_alloc_len': Iov alloc len; 'No_tx_queue': No tx queue; 'wsocket_created': wsocket created; 'wsocket_closed': wsocket closed; 'a10_socket_created': a10 socket created; 'a10_socket_closed': a10 socket closed; 'No_a10_socket': no a10 socket; 'No_other_side_socket': no other side socket; 'No_w_engine': no w engine; 'on_ld_timeout': lost detection timeout; 'idle_alarm': conn idle timeout; 'ack_alarm': ack timeout; 'quic_malloc': QUIC malloc; 'quic_free': QUIC free; 'quic_malloc_failure': QUIC malloc failure; 'quick_malloc_failure': quick malloc failure; 'quic_lb': QUIC LB; 'cid_zero': CID Zero; 'cid_cpu_hash': CID CPU Hash; 'invalid_cid_sig': Invalid CID Signature; 'key_update_rx': QUIC TLS key update received; 'key_update_tx': QUIC TLS key update sent;

Type: string

Supported Values: Err_frame_dec1, Err_frame_dec, Err_frame_decb, Err_frame_final_size, Err_flow_control, Err_protocol_violation, Server_rx_handshake_done, Pkt_acked_failed, Pn_insert_failed, Pn_delete_failed, Acked_packet_freed, Tx_buffer_enq, Tx_buffer_deq, App_buffer_enq, App_buffer_deq, App_buffer_queue_full, Iov_buffer_bind, Iov_buffer_unbind, Iov_buffer_dup, Iov_alloc_len, Iov_IO, Iov_System, No_tx_queue, wsocket_created, wsocket_closed, a10_socket_created, a10_socket_closed, No_a10_socket, No_other_side_socket, No_w_engine, No_w_socket, on_ld_timeout, idle_alarm, ack_alarm, close_alarm, delay_alarm, quic_malloc, quic_free, quic_malloc_failure, quick_malloc_failure, quic_lb, cid_zero, cid_cpu_hash, invalid_cid_sig, key_update_rx, key_update_tx

ssl-expire-check

Specification	Value
Type	*object*

before

Description The number of days in advance notice before expiration, default is 5

Type: number

Range: 1-60

Default: 5

exception

Description: exception is a **JSON Block**. Please see below for *ssl-expire-check_exception*

Type: Object

Reference Object: */axapi/v3/slb/ssl-expire-check/exception*

expire-address1

Description Email address for certificate expiration check

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

interval-days

Description The interval of days notice after expiration, default is 2

Type: number

Range: 1-5

Default: 2

ssl-expire-email-address

Description Config Email address for certificate expiration check

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-expire-check_exception

Specification	Value
Type	*object*

action

Description 'add': Add an exception; 'delete': Delete an exception; 'clean': Delete all exception;

Type: string

Supported Values: add, delete, clean

certificate-name

Description The certificate name

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

rate-limit-log

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rate-limit-log_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_log_times': Total log times; 'total_log_msg': Total log messages; 'local_log_msg': Local log messages; 'remote_log_msg': Remote log messages; 'local_log_rate': Local rate (per sec); 'remote_log_rate': Remote rate (per sec); 'msg_too_big': Log message too big; 'buff_alloc_fail': Buffer alloc fail; 'no_route': No route; 'buff_send_fail': Buffer send fail; 'alloc_conn': Log-session alloc; 'free_conn': Log-session free; 'conn_alloc_fail': Log-session alloc fail; 'no_repeat_msg': No repeat message; 'local_log_dropped': Local log dropped due to rate-limit;

Type: string

Supported Values: all, total_log_times, total_log_msg, local_log_msg, remote_log_msg, local_log_rate, remote_log_rate, msg_too_big, buff_alloc_fail, no_route, buff_send_fail, alloc_conn, free_conn, conn_alloc_fail, no_repeat_msg, local_log_dropped

ssl-ocsp

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gaming-protocol-compliance-port-list

Specification	Value
Type	*list*
Block object keys	

port

Description Port

Type: number

Range: 1-65534

range

Description Port range

Type: number

Range: 0-512

Default: 0

udp

Description UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-revoke

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-cert-revoke_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ocsp_stapling_response_good': OCSP stapling response good; 'ocsp_chain_status_good': Certificate chain status good; 'ocsp_chain_status_revoked': Certificate chain status revoked; 'ocsp_chain_status_unknown': Certificate chain status unknown; 'ocsp_request': OCSP requests; 'ocsp_response': OCSP responses; 'ocsp_connection_error': OCSP connection error; 'ocsp_uri_not_found': OCSP URI not found; 'ocsp_uri_https': Log OCSP URI https; 'ocsp_uri_unsupported': OCSP URI unsupported; 'ocsp_response_status_good': OCSP response status good; 'ocsp_response_status_revoked': OCSP response status revoked; 'ocsp_response_status_unknown': OCSP response status unknown; 'ocsp_cache_status_good': OCSP cache status good; 'ocsp_cache_status_revoked': OCSP cache status revoked; 'ocsp_cache_miss': OCSP cache miss; 'ocsp_cache_expired': OCSP cache expired; 'ocsp_other_error': Log OCSP other errors; 'ocsp_response_no_nonce': Log OCSP other errors; 'ocsp_response_nonce_error': Log OCSP other errors; 'crl_request': CRL requests; 'crl_response': CRL responses; 'crl_connection_error': CRL connection errors; 'crl_uri_not_found': CRL URI not found; 'crl_uri_https': CRL URI https; 'crl_uri_unsupported': CRL URI unsupported; 'crl_response_status_good': CRL response status good; 'crl_response_status_revoked': CRL response status revoked; 'crl_response_status_unknown': CRL response status unknown; 'crl_cache_status_good': CRL cache status good; 'crl_cache_status_revoked': CRL cache status revoked; 'crl_other_error': CRL other errors;

Type: string

Supported Values: all, ocsp_stapling_response_good, ocsp_chain_status_good, ocsp_chain_status_revoked, ocsp_chain_status_unknown, ocsp_request, ocsp_response, ocsp_connection_error, ocsp_uri_not_found, ocsp_uri_https, ocsp_uri_unsupported, ocsp_response_status_good, ocsp_response_status_revoked, ocsp_response_status_unknown, ocsp_cache_status_good, ocsp_cache_status_revoked, ocsp_cache_miss, ocsp_cache_expired, ocsp_other_error, ocsp_response_no_nonce, ocsp_response_nonce_error, crl_request,

crl_response, crl_connection_error, crl_uri_not_found, crl_uri_https, crl_uri_unsupported, crl_response_status_good, crl_response_status_revoked, crl_response_status_unknown, crl_cache_status_good, crl_cache_status_revoked, crl_other_error

pop3-proxy

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pop3-proxy_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'stls': stls cmd; 'request_dont_care': other cmd; 'unsupported_command': Unsupported cmd; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'request': Total POP3 Request; 'control_to_ssl': Control chn ssl;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, line_too_long, line_mem_freed, invalid_start_line, stls, request_dont_care, unsupported_command, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, request, control_to_ssl

mlb

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mlb_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client_msg_sent': Client message sent; 'server_msg_received': Server message received; 'server_conn_created': Server connection created; 'server_conn_rst': Server connection reset; 'server_conn_failed': Server connection failed; 'server_conn_closed': Server connection closed; 'client_conn_created': Client connection created; 'client_conn_closed': Client connection closed; 'client_conn_not_found': Client connection not found; 'msg_dropped': Message dropped; 'msg_rerouted': Message rerouted; 'mlb_dcmsg_sent': Dcmsg sent; 'mlb_dcmsg_received': Dcmsg received; 'mlb_dcmsg_error': Dcmsg error; 'mlb_dcmsg_alloc': Dcmsg alloc; 'mlb_dcmsg_free': Dcmsg free; 'mlb_server_probe': Server probe; 'mlb_server_down': Server down;

Type: string

Supported Values: all, client_msg_sent, server_msg_received, server_conn_created, server_conn_rst, server_conn_failed, server_conn_closed, client_conn_created, client_conn_closed, client_conn_not_found, msg_dropped, msg_rerouted, mlb_dcmsg_sent, mlb_dcmsg_received, mlb_dcmsg_error, mlb_dcmsg_alloc, mlb_dcmsg_free, mlb_server_probe, mlb_server_down

ssl-scep-cert-log

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

player-id-ep

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smpp

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smpp_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_proxy_current': Curr SMPP Proxy; 'msg_proxy_total': Total SMPP Proxy; 'msg_proxy_mem_allocd': some help string; 'msg_proxy_mem_cached': some help string; 'msg_proxy_mem_freed': some help string; 'msg_proxy_client_recv': Client message rcvd; 'msg_proxy_client_send_success': Sent to server; 'msg_proxy_client_incomplete': Incomplete; 'msg_proxy_client_drop': AX responds directly; 'msg_proxy_client_connection': Connecting server; 'msg_proxy_client_fail': Number of SMPP messages received from client but failed to forward to server; 'msg_proxy_client_fail_parse': some help string; 'msg_proxy_client_fail_process': some help string; 'msg_proxy_client_fail_snat': some help string; 'msg_proxy_client_exceed_tmp_buff': some help string; 'msg_proxy_client_fail_send_pkt': some help string; 'msg_proxy_client_fail_start_server_Conn': some help string; 'msg_proxy_server_recv': Server message rcvd; 'msg_proxy_server_send_success': Sent to client; 'msg_proxy_server_incomplete': Incomplete; 'msg_proxy_server_drop': Number of the packet AX drop; 'msg_proxy_server_fail': Number of SMPP messages received from server but failed to forward to client; 'msg_proxy_server_fail_parse': some help string; 'msg_proxy_server_fail_process': some help string; 'msg_proxy_server_fail_selec_connt': some help string; 'msg_proxy_server_fail_snat': some help string; 'msg_proxy_server_exceed_tmp_buff': some help string; 'msg_proxy_server_fail_send_pkt': some help string; 'msg_proxy_create_server_conn': Server conn created; 'msg_proxy_start_server_conn': Number of server connection created successfully; 'msg_proxy_fail_start_server_conn': Number of server connection created failed; 'msg_proxy_server_conn_fail_snat': some help string; 'msg_proxy_fail_construct_server_conn': some help string; 'msg_proxy_fail_reserve_pconn': some help string; 'msg_proxy_start_server_conn_failed': some help string; 'msg_proxy_server_conn_already_exists': some help string; 'msg_proxy_fail_insert_server_conn': some help string; 'msg_proxy_parse_msg_fail': some help string; 'msg_proxy_process_msg_fail': some help string; 'msg_proxy_no_vport': some help string; 'msg_proxy_fail_select_server': some help string; 'msg_proxy_fail_alloc_mem': msg_proxy_fail_alloc_mem; 'msg_proxy_unexpected_err': some help string; 'msg_proxy_l7_cpu_failed': some help string; 'msg_proxy_l4_to_l7': some help string; 'msg_proxy_l4_from_l7': some help string; 'msg_proxy_to_l4_send_pkt': some help string; 'msg_proxy_l4_from_l4_send': some help string; 'msg_proxy_l7_to_L4': some help string; 'msg_proxy_mag_back': some help string; 'msg_proxy_fail_dcmsg': some help string; 'msg_proxy_deprecated_conn': some help string; 'msg_proxy_hold_msg': some help string; 'msg_proxy_split_pkt': some help string; 'msg_proxy_pipline_msg': some help string; 'msg_proxy_client_reset': some help string; 'msg_proxy_server_reset': some help string; 'payload_allocd': some help string; 'payload_freed': some help string; 'pkt_too_small': pkt_too_small; 'invalid_seq': some help string; 'AX_response_directly': Number of packet which AX responds directly; 'select_client_conn': Client conn selection; 'select_client_by_req': Select by request; 'select_client_from_list': Select by roundbin; 'select_client_by_conn': Select by conn; 'select_client_fail': Select failed; 'select_server_conn': Server conn selection; 'select_server_by_req': Select by request; 'select_server_from_list': Select by roundbin; 'select_server_by_conn': Select server conn by client conn; 'select_server_fail': Fail to select server conn; 'bind_conn': some help string; 'unbind_conn': some help string; 'enquire_link_recv': some help string; 'enquire_link_resp_recv': some help

string; 'enquire_link_send': some help string; 'enquire_link_resp_send': some help string; 'client_conn_put_in_list': some help string; 'client_conn_get_from_list': some help string; 'server_conn_put_in_list': some help string; 'server_conn_get_from_list': some help string; 'server_conn_fail_bind': some help string; 'single_msg': some help string; 'fail_bind_msg': fail_bind_msg;

Type: string

Supported Values: all, msg_proxy_current, msg_proxy_total, msg_proxy_mem_allocd, msg_proxy_mem_cached, msg_proxy_mem_freed, msg_proxy_client_recv, msg_proxy_client_send_success, msg_proxy_client_incomplete, msg_proxy_client_drop, msg_proxy_client_connection, msg_proxy_client_fail, msg_proxy_client_fail_parse, msg_proxy_client_fail_process, msg_proxy_client_fail_snat, msg_proxy_client_exceed_tmp_buff, msg_proxy_client_fail_send_pkt, msg_proxy_client_fail_start_server_Conn, msg_proxy_server_recv, msg_proxy_server_send_success, msg_proxy_server_incomplete, msg_proxy_server_drop, msg_proxy_server_fail, msg_proxy_server_fail_parse, msg_proxy_server_fail_process, msg_proxy_server_fail_selec_connt, msg_proxy_server_fail_snat, msg_proxy_server_exceed_tmp_buff, msg_proxy_server_fail_send_pkt, msg_proxy_create_server_conn, msg_proxy_start_server_conn, msg_proxy_fail_start_server_conn, msg_proxy_server_conn_fail_snat, msg_proxy_fail_construct_server_conn, msg_proxy_fail_reserve_pconn, msg_proxy_start_server_conn_failed, msg_proxy_server_conn_already_exists, msg_proxy_fail_insert_server_conn, msg_proxy_parse_msg_fail, msg_proxy_process_msg_fail, msg_proxy_no_vport, msg_proxy_fail_select_server, msg_proxy_fail_alloc_mem, msg_proxy_unexpected_err, msg_proxy_l7_cpu_failed, msg_proxy_l4_to_l7, msg_proxy_l4_from_l7, msg_proxy_to_l4_send_pkt, msg_proxy_l4_from_l4_send, msg_proxy_l7_to_L4, msg_proxy_mag_back, msg_proxy_fail_dcmsg, msg_proxy_deprecated_conn, msg_proxy_hold_msg, msg_proxy_split_pkt, msg_proxy_pipline_msg, msg_proxy_client_reset, msg_proxy_server_reset, payload_allocd, payload_freed, pkt_too_small, invalid_seq, AX_response_directly, select_client_conn, select_client_by_req, select_client_from_list, select_client_by_conn, select_client_fail, select_server_conn, select_server_by_req, select_server_from_list, select_server_by_conn, select_server_fail, bind_conn, unbind_conn, enquire_link_recv, enquire_link_resp_recv, enquire_link_send, enquire_link_resp_send, client_conn_put_in_list, client_conn_get_from_list, server_conn_put_in_list, server_conn_get_from_list, server_conn_fail_bind, single_msg, fail_bind_msg

svm-source-nat

Specification	Value
Type	*object*

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http3

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http3_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client_conn_curr': Current HTTP/3 Client Connections; 'server_conn_curr': Current HTTP/3 Server Connections; 'client_conn_total': Total HTTP/3 Client Connections; 'server_conn_total': Total HTTP/3 Server Connections; 'client_conn_peak': Peak HTTP/3 Client Connections; 'server_conn_peak': Peak HTTP/3 Server Connections; 'client_request_streams_curr': Current Request Streams on client side; 'server_request_streams_curr': Current Request Streams on server side; 'client_request_streams_total': Total Request Streams on client side; 'server_request_streams_total': Total Request Streams on server side; 'client_request_push_curr': Current Push Streams on client side; 'server_request_push_curr': Current Push Streams on server side; 'client_request_push_total': Total Push Streams on client side; 'server_request_push_total': Total Push Streams on server side; 'client_request_other_curr': Current Other Streams on client side (control, decoder, encoder); 'server_request_other_curr': urrent Other Streams on server side (control, decoder, encoder); 'client_request_other_total': Total Other Streams on client side (control, decoder, encoder); 'server_request_other_total': Total Other Streams on server side (control, decoder, encoder); 'client_frame_type_headers_rcvd': HEADERS Frame received on client side; 'client_frame_type_headers_sent': HEADERS Frame sent on client side; 'client_frame_type_data_rcvd': DATA Frame received on client side; 'client_frame_type_data_sent': DATA Frame sent on client side; 'client_frame_type_cancel_push_rcvd': CANCEL PUSH Frame received on

client side; 'client_frame_type_cancel_push_sent': CANCEL PUSH Frame sent on client side; 'client_frame_type_settings_rcvd': SETTINGS Frame received on client side; 'client_frame_type_settings_sent': SETTINGS Frame sent on client side; 'client_frame_type_push_promise_rcvd': PUSH PROMISE Frame received on client side; 'client_frame_type_push_promise_sent': PUSH PROMISE Frame sent on client side; 'client_frame_type_goaway_rcvd': GOAWAY Frame received on client side; 'client_frame_type_goaway_sent': GOAWAY Frame sent on client side; 'client_frame_type_max_push_id_rcvd': MAX PUSH ID Frame received on client side; 'client_frame_type_max_push_id_sent': MAX PUSH ID Frame sent on client side; 'client_frame_type_unknown_rcvd': Unknown Frame received on client side; 'client_header_frames_to_app': HEADER Frames passed to HTTP layer on client side; 'client_data_frames_to_app': DATA Frames passed to HTTP layer on client side; 'client_header_bytes_rcvd': Bytes received in HEADER frames on client side; 'client_header_bytes_sent': Bytes sent in HEADER frames on client side; 'client_data_bytes_rcvd': Bytes received in DATA frames on client side; 'client_data_bytes_sent': Bytes sent in DATA frames on client side; 'client_other_frame_bytes_rcvd': Bytes received in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on client side; 'client_other_frame_bytes_sent': Bytes sent in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on client side; 'client_heading_bytes_rcvd': Bytes received in HEADERS/DATA frame/stream heading on client side; 'client_heading_bytes_sent': Bytes sent in HEADERS/DATA frame/stream heading on client side; 'client_total_bytes_rcvd': Total Bytes received on client side; 'client_total_bytes_sent': Total Bytes sent on client side; 'server_frame_type_headers_rcvd': HEADERS Frame received on server side; 'server_frame_type_headers_sent': HEADERS Frame sent on server side; 'server_frame_type_data_rcvd': DATA Frame received on server side; 'server_frame_type_data_sent': DATA Frame sent on server side; 'server_frame_type_cancel_push_rcvd': CANCEL PUSH Frame received on server side; 'server_frame_type_cancel_push_sent': CANCEL PUSH Frame sent on server side; 'server_frame_type_settings_rcvd': SETTINGS Frame received on server side; 'server_frame_type_settings_sent': SETTINGS Frame sent on server side; 'server_frame_type_push_promise_rcvd': PUSH PROMISE Frame received on server side; 'server_frame_type_push_promise_sent': PUSH PROMISE Frame sent on server side; 'server_frame_type_goaway_rcvd': GOAWAY Frame received on server side; 'server_frame_type_goaway_sent': GOAWAY Frame sent on server side; 'server_frame_type_max_push_id_rcvd': MAX PUSH ID Frame received on server side; 'server_frame_type_max_push_id_sent': MAX PUSH ID Frame sent on server side; 'server_frame_type_unknown_rcvd': Unknown Frame received on server side; 'server_header_frames_to_app': HEADER Frames passed to HTTP layer on server side; 'server_data_frames_to_app': DATA Frames passed to HTTP layer on server side; 'server_header_bytes_rcvd': Bytes received in HEADER frames on server side; 'server_header_bytes_sent': Bytes sent in HEADER frames on server side; 'server_data_bytes_rcvd': Bytes received in DATA frames on server side; 'server_data_bytes_sent': Bytes sent in DATA frames on server side; 'server_other_frame_bytes_rcvd': Bytes received in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on server side; 'server_other_frame_bytes_sent': Bytes sent in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on server side; 'server_heading_bytes_rcvd': Bytes received in HEADERS/DATA frame/stream heading on server side; 'server_heading_bytes_sent': Bytes sent in HEADERS/DATA frame/stream heading on server side; 'server_total_bytes_rcvd': Total Bytes received on server side; 'server_total_bytes_sent': Total Bytes sent on server side; 'invalid_argument': Invalid Argument; 'invalid_state': Invalid State; 'wouldblock': Wouldblock; 'stream_in_use': Stream In Use; 'push_id_blocked': Push Id Blocked; 'malformed_http_header': Malformed Http Header; 'remove_http_header': Remove Http Header; 'malformed_http_messaging': Malformed Http Messaging; 'too_late': Too Late; 'qpack_fatal': Qpack Fatal; 'qpack_header_too_large':

Qpack Header Too Large; 'ignore_stream': Ignore Stream; 'stream_not_found': Stream Not Found; 'ignore_push_promise': Ignore Push Promise; 'qpack_decompression_failed': Qpack Decompression Failed; 'qpack_encoder_stream_error': Qpack Encoder Stream Error; 'qpack_decoder_stream_error': Qpack Decoder Stream Error; 'h3_frame_unexpected': H3 Frame Unexpected; 'h3_frame_error': H3 Frame Error; 'h3_missing_settings': H3 Missing Settings; 'h3_internal_error': H3 Internal Error; 'h3_closed_critical_stream': H3 Closed Critical Stream; 'h3_general_protocol_error': H3 General Protocol Error; 'h3_id_error': H3 Id Error; 'h3_settings_error': H3 Settings Error; 'h3_stream_creation_error': H3 Stream Creation Error; 'fatal': Fatal Error; 'conn_alloc_error': HTTP/3 Connection Allocation Error; 'alloc_fail_total': Memory Allocation Failures; 'http3_rejected': HTTP3 Rejected;

Type: string

Supported Values: all, client_conn_curr, server_conn_curr, client_conn_total, server_conn_total, client_conn_peak, server_conn_peak, client_request_streams_curr, server_request_streams_curr, client_request_streams_total, server_request_streams_total, client_request_push_curr, server_request_push_curr, client_request_push_total, server_request_push_total, client_request_other_curr, server_request_other_curr, client_request_other_total, server_request_other_total, client_frame_type_headers_rcvd, client_frame_type_headers_sent, client_frame_type_data_rcvd, client_frame_type_data_sent, client_frame_type_cancel_push_rcvd, client_frame_type_cancel_push_sent, client_frame_type_settings_rcvd, client_frame_type_settings_sent, client_frame_type_push_promise_rcvd, client_frame_type_push_promise_sent, client_frame_type_goaway_rcvd, client_frame_type_goaway_sent, client_frame_type_max_push_id_rcvd, client_frame_type_max_push_id_sent, client_frame_type_unknown_rcvd, client_header_frames_to_app, client_data_frames_to_app, client_header_bytes_rcvd, client_header_bytes_sent, client_data_bytes_rcvd, client_data_bytes_sent, client_other_frame_bytes_rcvd, client_other_frame_bytes_sent, client_heading_bytes_rcvd, client_heading_bytes_sent, client_total_bytes_rcvd, client_total_bytes_sent, server_frame_type_headers_rcvd, server_frame_type_headers_sent, server_frame_type_data_rcvd, server_frame_type_data_sent, server_frame_type_cancel_push_rcvd, server_frame_type_cancel_push_sent, server_frame_type_settings_rcvd, server_frame_type_settings_sent, server_frame_type_push_promise_rcvd, server_frame_type_push_promise_sent, server_frame_type_goaway_rcvd, server_frame_type_goaway_sent, server_frame_type_max_push_id_rcvd, server_frame_type_max_push_id_sent, server_frame_type_unknown_rcvd, server_header_frames_to_app, server_data_frames_to_app, server_header_bytes_rcvd, server_header_bytes_sent, server_data_bytes_rcvd, server_data_bytes_sent, server_other_frame_bytes_rcvd, server_other_frame_bytes_sent, server_heading_bytes_rcvd, server_heading_bytes_sent, server_total_bytes_rcvd, server_total_bytes_sent, invalid_argument, invalid_state, wouldblock, stream_in_use, push_id_blocked, malformed_http_header, remove_http_header, malformed_http_messaging, too_late, qpack_fatal, qpack_header_too_large, ignore_stream, stream_not_found, ignore_push_promise, qpack_decompression_failed, qpack_encoder_stream_error, qpack_decoder_stream_error, h3_frame_unexpected, h3_frame_error, h3_missing_settings, h3_internal_error, h3_closed_critical_stream, h3_general_protocol_error, h3_id_error, h3_settings_error, h3_stream_creation_error, fatal, conn_alloc_error, alloc_fail_total, http3_rejected

http2

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http2_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'connection_preface_rcvd': Connection preface rcvd; 'control_frame': Control Frame Rcvd; 'headers_frame': HEADERS Frame Rcvd; 'continuation_frame': CONTINUATION Frame Rcvd; 'rst_frame_rcvd': RST_STREAM Frame Rcvd; 'settings_frame': SETTINGS Frame Rcvd; 'window_update_frame': WINDOW_UPDATE Frame Rcvd; 'ping_frame': PING Frame Rcvd; 'goaway_frame': GOAWAY Frame Rcvd; 'priority_frame': PRIORITY Frame Rcvd; 'data_frame': DATA Frame Recvd; 'unknown_frame': Unknown Frame Recvd; 'connection_preface_sent': Connection preface sent; 'settings_frame_sent': SETTINGS Frame Sent; 'settings_ack_sent': SETTINGS ACK Frame Sent; 'empty_settings_sent': Empty SETTINGS Frame Sent; 'ping_frame_sent': PING Frame Sent; 'window_update_frame_sent': WINDOW_UPDATE Frame Sent; 'rst_frame_sent': RST_STREAM Frame Sent; 'goaway_frame_sent': GOAWAY Frame Sent; 'header_to_app': HEADER Frame to HTTP; 'data_to_app': DATA Frame to HTTP; 'protocol_error': Protocol Error; 'internal_error': Internal Error; 'proxy_alloc_error': HTTP2 Proxy alloc Error; 'split_buff_fail': Splitting Buffer Failed; 'invalid_frame_size': Invalid Frame Size Rcvd; 'error_max_invalid_stream': Max Invalid Stream Rcvd; 'data_no_stream': DATA Frame Rcvd on non-existent stream; 'flow_control_error': Flow Control Error; 'settings_timeout': Settings Timeout; 'frame_size_error': Frame Size Error; 'refused_stream': Refused Stream; 'cancel': cancel; 'compression_error': compression error; 'connect_error': connect error; 'enhance_your_calm': enhance your calm error; 'inadequate_security': inadequate security; 'http_1_1_required': HTTP1.1 Required; 'deflate_alloc_fail': deflate alloc fail; 'inflate_alloc_fail': inflate alloc fail; 'inflate_header_fail': Inflate Header Fail; 'bad_connection_preface': Bad Connection Preface; 'cant_allocate_control_frame': Cant allocate control frame; 'cant_allocate_settings_frame': Cant allocate SETTINGS frame; 'bad_frame_type_for_stream_state': Bad frame type for stream state; 'wrong_stream_state': Wrong Stream State; 'data_queue_alloc_error': Data Queue Alloc Error; 'buff_alloc_error': Buff alloc error; 'cant_allocate_rst_frame': Cant

allocate RST_STREAM frame; 'cant_allocate_goaway_frame': Cant allocate GOAWAY frame; 'cant_allocate_ping_frame': Cant allocate PING frame; 'cant_allocate_stream': Cant allocate stream; 'cant_allocate_window_frame': Cant allocate WINDOW_UPDATE frame; 'header_no_stream': header no stream; 'header_padlen_gt_frame_payload': Header padlen greater than frame payload size; 'streams_gt_max_concur_streams': Streams greater than max allowed concurrent streams; 'idle_state_unexpected_frame': Unxpected frame received in idle state; 'reserved_local_state_unexpected_frame': Unexpected frame received in reserved local state; 'reserved_remote_state_unexpected_frame': Unexpected frame received in reserved remote state; 'half_closed_remote_state_unexpected_frame': Unexpected frame received in half closed remote state; 'closed_state_unexpected_frame': Unexpected frame received in closed state; 'zero_window_size_on_stream': Window Update with zero increment rcvd; 'exceeds_max_window_size_stream': Window Update with increment that results in exceeding max window; 'stream_closed': stream closed; 'continuation_before_headers': CONTINUATION frame with no headers frame; 'invalid_frame_during_headers': frame before headers were complete; 'headers_after_continuation': headers frame before CONTINUATION was complete; 'push_promise_frame_sent': Push Promise Frame Sent; 'invalid_push_promise': unexpected PUSH_PROMISE frame; 'invalid_stream_id': received invalid stream ID; 'headers_interleaved': headers interleaved on streams; 'trailers_no_end_stream': trailers not marked as end-of-stream; 'invalid_setting_value': invalid setting-frame value; 'invalid_window_update': window-update value out of range; 'frame_header_bytes_received': frame header bytes received; 'frame_header_bytes_sent': frame header bytes sent; 'control_bytes_received': HTTP/2 control frame bytes received; 'control_bytes_sent': HTTP/2 control frame bytes sent; 'header_bytes_received': HTTP/2 header bytes received; 'header_bytes_sent': HTTP/2 header bytes sent; 'data_bytes_received': HTTP/2 data bytes received; 'data_bytes_sent': HTTP/2 data bytes sent; 'total_bytes_received': HTTP/2 total bytes received; 'total_bytes_sent': HTTP/2 total bytes sent; 'peak_proxy': Peak Proxy Conns; 'control_frame_sent': Control Frame Sent; 'continuation_frame_sent': CONTINUATION Frame Sent; 'data_frame_sent': DATA Frame Sent; 'headers_frame_sent': HEADERS Frame Sent; 'priority_frame_sent': PRIORITY Frame Sent; 'settings_ack_rcvd': SETTINGS ACK Frame Rcvd; 'empty_settings_rcvd': Empty SETTINGS Frame Rcvd; 'alloc_fail_total': Alloc Fail - Total; 'err_rcvd_total': Error Rcvd - Total; 'err_sent_total': Error Rent - Total; 'err_sent_proto_err': Error Sent - PROTOCOL_ERROR; 'err_sent_internal_err': Error Sent - INTERNAL_ERROR; 'err_sent_flow_control': Error Sent - FLOW_CONTROL_ERROR; 'err_sent_setting_timeout': Error Sent - SETTINGS_TIMEOUT; 'err_sent_stream_closed': Error Sent - STREAM_CLOSED; 'err_sent_frame_size_err': Error Sent - FRAME_SIZE_ERROR; 'err_sent_refused_stream': Error Sent - REFUSED_STREAM; 'err_sent_cancel': Error Sent - CANCEL; 'err_sent_compression_err': Error Sent - COMPRESSION_ERROR; 'err_sent_connect_err': Error Sent - CONNECT_ERROR; 'err_sent_your_calm': Error Sent - ENHANCE_YOUR_CALM; 'err_sent_inadequate_security': Error Sent - INADEQUATE_SECURITY; 'err_sent_http11_required': Error Sent - HTTP_1_1_REQUIRED; 'http2_rejected': HTTP2 Rejected; 'current_stream': Current Streams; 'stream_create': Stream Create; 'stream_free': Stream Free; 'end_stream_rcvd': End Stream Recieved; 'end_stream_sent': End Stream Sent;

Type: string

Supported Values: all, curr_proxy, total_proxy, connection_preface_rcvd, control_frame, headers_frame, continuation_frame, rst_frame_rcvd, settings_frame, window_update_frame, ping_frame, goaway_frame, priority_frame, data_frame, unknown_frame, connection_preface_sent, settings_frame_sent, settings_ack_sent, empty_settings_sent, ping_frame_sent, window_update_frame_sent, rst_frame_sent, goaway_frame_sent, header_to_app, data_to_app, protocol_error, internal_error, proxy_alloc_error, split_buff_fail, invalid_frame_size, error_max_invalid_stream, data_no_stream, flow_control_error, settings_timeout, frame_size_error, re-

fused_stream, cancel, compression_error, connect_error, enhance_your_calm, inadequate_security, http_1_1_required, deflate_alloc_fail, inflate_alloc_fail, inflate_header_fail, bad_connection_preface, cant_allocate_control_frame, cant_allocate_settings_frame, bad_frame_type_for_stream_state, wrong_stream_state, data_queue_alloc_error, buff_alloc_error, cant_allocate_rst_frame, cant_allocate_goaway_frame, cant_allocate_ping_frame, cant_allocate_stream, cant_allocate_window_frame, header_no_stream, header_padlen_gt_frame_payload, streams_gt_max_concur_streams, idle_state_unexpected_frame, reserved_local_state_unexpected_frame, reserved_remote_state_unexpected_frame, half_closed_remote_state_unexpected_frame, closed_state_unexpected_frame, zero_window_size_on_stream, exceeds_max_window_size_stream, stream_closed, continuation_before_headers, invalid_frame_during_headers, headers_after_continuation, push_promise_frame_sent, invalid_push_promise, invalid_stream_id, headers_interleaved, trailers_no_end_stream, invalid_setting_value, invalid_window_update, frame_header_bytes_received, frame_header_bytes_sent, control_bytes_received, control_bytes_sent, header_bytes_received, header_bytes_sent, data_bytes_received, data_bytes_sent, total_bytes_received, total_bytes_sent, peak_proxy, control_frame_sent, continuation_frame_sent, data_frame_sent, headers_frame_sent, priority_frame_sent, settings_ack_rcvd, empty_settings_rcvd, alloc_fail_total, err_rcvd_total, err_sent_total, err_sent_proto_err, err_sent_internal_err, err_sent_flow_control, err_sent_setting_timeout, err_sent_stream_closed, err_sent_frame_size_err, err_sent_refused_stream, err_sent_cancel, err_sent_compression_err, err_sent_connect_err, err_sent_your_calm, err_sent_inadequate_security, err_sent_http11_required, http2_rejected, current_stream, stream_create, stream_free, end_stream_rcvd, end_stream_sent, transaction_limited, frame_flood_detected, stream_cancel_flood_detected

gaming-protocol-compliance-salt

Specification	Value
Type	*object*

current-salt

Description Current salt value

Type: number

Range: 0-4294967295

previous-salt

Description Previous salt value

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

aflex-log

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-ja4

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-ja3

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reset-unknown-conn

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'request': SMTP requests; 'request_success': SMTP requests (success); 'no_proxy': No proxy error; 'client_reset': Client reset; 'server_reset': Server reset; 'no_tuple': No tuple error; 'parse_req_fail': Parse request failure; 'server_select_fail': Server selection failure; 'forward_req_fail': Forward request failure; 'forward_req_data_fail': Forward REQ data failure; 'req_retran': Request retransmit; 'req_ofo': Request pkt out-of-order; 'server_reselect': Server reselection; 'server_prem_close': Server premature close; 'new_server_conn': Server connection made; 'snat_fail': Source NAT failure; 'tcp_out_reset': TCP out reset; 'Aflex_switch': aFleX switching; 'Aflex_switch_ok': aFleX switching (succ); 'recv_client_command_EHLO': Recv client EHLO; 'recv_client_command_HELO': Recv client HELO; 'recv_client_command_MAIL': Recv client MAIL; 'recv_client_command_RCPT': Recv client RCPT; 'recv_client_command_DATA':

Recv client DATA; 'recv_client_command_RSET': Recv client RSET; 'recv_client_command_VRFY': Recv client VRFY; 'recv_client_command_EXPN': Recv client EXPN; 'recv_client_command_HELP': Recv client HELP; 'recv_client_command_NOOP': Recv client NOOP; 'recv_client_command_QUIT': Recv client QUIT; 'recv_client_command_STARTTLS': Recv client STARTTLS; 'recv_client_command_others': Recv client other cmds; 'send_client_service_ready': Sent client serv-rdy; 'send_client_service_not_ready': Sent client serv-not-rdy; 'send_client_close_connection': Sent client close-conn; 'send_client_go_ahead': Sent client go-ahead; 'send_client_start_TLS_first': Sent client STARTTLS-1st; 'send_client_TLS_not_available': Sent client TLS-not-aval; 'send_client_no_command': Sent client no-such-cmd; 'send_server_cmd_reset': Sent server RSET; 'TLS_established': SSL session established; 'L4_switch': L4 switching; 'recv_server_service_not_ready': Recv server serv-not-rdy; 'recv_server_unknow_reply_code': Recv server unknown-code; 'client_domain_switch': Client domain switching; 'client_domain_switch_ok': Client domain sw (succ); 'LB_switch': LB switching; 'LB_switch_ok': LB switching (succ); 'read_request_line_fail': Read request line fail; 'get_all_headers_fail': Get all headers fail; 'too_many_headers': Too many headers; 'line_too_long': Line too long; 'line_across_packet': Line across packets; 'line_extend': Line extend; 'line_extend_fail': Line extend fail; 'line_table_extend': Table extend; 'line_table_extend_fail': Table extend fail; 'parse_request_line_fail': Parse request line fail; 'insert_resonse_line_fail': Ins response line fail; 'remove_resonse_line_fail': Del response line fail; 'parse_resonse_line_fail': Parse response line fail; 'Aflex_lb_reselect': aFleX lb reselect; 'Aflex_lb_reselect_ok': aFleX lb reselect (succ); 'server_STARTTLS_init': Init server side STARTTLS; 'server_STARTTLS_fail': Server side STARTTLS fail; 'rserver_STARTTLS_disable': real server not support START-TLS; 'recv_client_command_TURN': Recv client TURN; 'recv_client_command_ETRN': Recv client ETRN; 'send_server_ehlo': Proxy sends server EHLO; 'fail_to_save_client_ehlo': Failed to save client EHLO; 'aflex_mail_fail': aFlex Mail event failed; 'drop_server_ehlo_ok': Server EHLO_OK dropped; 'client_ehlo_saved': Client EHLO saved;

Type: string

Supported Values: all, curr_proxy, total_proxy, request, request_success, no_proxy, client_reset, server_reset, no_tuple, parse_req_fail, server_select_fail, forward_req_fail, forward_req_data_fail, req_retran, req_ofo, server_reselect, server_prem_close, new_server_conn, snat_fail, tcp_out_reset, Aflex_switch, Aflex_switch_ok, recv_client_command_EHLO, recv_client_command_HELO, recv_client_command_MAIL, recv_client_command_RCPT, recv_client_command_DATA, recv_client_command_RSET, recv_client_command_VRFY, recv_client_command_EXPN, recv_client_command_HELP, recv_client_command_NOOP, recv_client_command_QUIT, recv_client_command_STARTTLS, recv_client_command_others, send_client_service_ready, send_client_service_not_ready, send_client_close_connection, send_client_go_ahead, send_client_start_TLS_first, send_client_TLS_not_available, send_client_no_command, send_server_cmd_reset, TLS_established, L4_switch, recv_server_service_not_ready, recv_server_unknow_reply_code, client_domain_switch, client_domain_switch_ok, LB_switch, LB_switch_ok, read_request_line_fail, get_all_headers_fail, too_many_headers, line_too_long, line_across_packet, line_extend, line_extend_fail, line_table_extend, line_table_extend_fail, parse_request_line_fail, insert_resonse_line_fail, remove_resonse_line_fail, parse_resonse_line_fail, Aflex_lb_reselect, Aflex_lb_reselect_ok, server_STARTTLS_init, server_STARTTLS_fail, rserver_STARTTLS_disable, recv_client_command_TURN, recv_client_command_ETRN, send_server_ehlo, fail_to_save_client_ehlo, aflex_mail_fail, drop_server_ehlo_ok, client_ehlo_saved

sip

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_proxy_current': Number of current sip proxy connections; 'msg_proxy_total': Total number of sip proxy connections; 'msg_proxy_mem_allocd': some help string; 'msg_proxy_mem_cached': some help string; 'msg_proxy_mem_freed': some help string; 'msg_proxy_client_recv': Number of SIP messages received from client; 'msg_proxy_client_send_success': Number of SIP messages received from client and forwarded to server; 'msg_proxy_client_incomplete': Number of packet which contains incomplete message; 'msg_proxy_client_drop': Number of AX drop; 'msg_proxy_client_connection': Connecting server; 'msg_proxy_client_fail': Number of SIP messages received from client but failed to forward to server; 'msg_proxy_client_fail_parse': msg_proxy_client_fail_parse; 'msg_proxy_client_fail_process': msg_proxy_client_fail_process; 'msg_proxy_client_fail_snat': msg_proxy_client_fail_snat; 'msg_proxy_client_exceed_tmp_buff': msg_proxy_client_exceed_tmp_buff; 'msg_proxy_client_fail_send_pkt': msg_proxy_client_fail_send_pkt; 'msg_proxy_client_fail_start_server_Conn': msg_proxy_client_fail_start_server_Conn; 'msg_proxy_server_recv': Number of SIP messages received from server; 'msg_proxy_server_send_success': Number of SIP messages received from server and forwarded to client; 'msg_proxy_server_incomplete': Number of packet which contains incomplete message; 'msg_proxy_server_drop': Number of AX drop; 'msg_proxy_server_fail': Number of SIP messages received from server but failed to forward to client; 'msg_proxy_server_fail_parse': some help string; 'msg_proxy_server_fail_process': some help string; 'msg_proxy_server_fail_selec_connt': some help string; 'msg_proxy_server_fail_snat': some help string; 'msg_proxy_server_exceed_tmp_buff': some help string; 'msg_proxy_server_fail_send_pkt': some help string; 'msg_proxy_create_server_conn': Number of server connection system tries to create; 'msg_proxy_start_server_conn': Number of server connection created successfully; 'msg_proxy_fail_start_server_conn': Number of server connection create failed; 'msg_proxy_server_conn_fail_snat':

some help string; 'msg_proxy_fail_construct_server_conn': some help string; 'msg_proxy_fail_reserve_pconn': some help string; 'msg_proxy_start_server_conn_failed': some help string; 'msg_proxy_server_conn_already_exists': some help string; 'msg_proxy_fail_insert_server_conn': some help string; 'msg_proxy_parse_msg_fail': some help string; 'msg_proxy_process_msg_fail': msg_proxy_process_msg_fail; 'msg_proxy_no_vport': some help string; 'msg_proxy_fail_select_server': some help string; 'msg_proxy_fail_alloc_mem': some help string; 'msg_proxy_unexpected_err': some help string; 'msg_proxy_l7_cpu_failed': some help string; 'msg_proxy_l4_to_l7': some help string; 'msg_proxy_l4_from_l7': some help string; 'msg_proxy_to_l4_send_pkt': some help string; 'msg_proxy_l4_from_l4_send': some help string; 'msg_proxy_l7_to_L4': some help string; 'msg_proxy_mag_back': some help string; 'msg_proxy_fail_dcmsg': some help string; 'msg_proxy_deprecated_conn': some help string; 'msg_proxy_hold_msg': some help string; 'msg_proxy_split_pkt': some help string; 'msg_proxy_pipline_msg': some help string; 'msg_proxy_client_reset': some help string; 'msg_proxy_server_reset': some help string; 'session_created': SIP Session created; 'session_freed': SIP Session freed; 'session_in_rml': some help string; 'session_invalid': some help string; 'conn_allocd': some help string; 'conn_freed': some help string; 'session_callid_allocd': some help string; 'session_callid_freed': some help string; 'line_mem_allocd': some help string; 'line_mem_freed': some help string; 'table_mem_allocd': some help string; 'table_mem_freed': some help string; 'cmsg_no_uri_header': some help string; 'cmsg_no_uri_session': some help string; 'sg_no_uri_header': some help string; 'smsg_no_uri_session': some help string; 'line_too_long': line_too_long; 'fail_read_start_line': fail_read_start_line; 'fail_parse_start_line': fail_parse_start_line; 'invalid_start_line': invalid_start_line; 'request_unknown_version': request_unknown_version; 'response_unknown_version': some help string; 'request_unknown': request_unknown; 'fail_parse_headers': fail_parse_headers; 'too_many_headers': some help string; 'invalid_header': some help string; 'header_name_too_long': some help string; 'body_too_big': body_too_big; 'fail_get_counter': fail_get_counter; 'msg_no_call_id': some help string; 'identify_dir_failed': some help string; 'no_sip_request': some help string; 'deprecated_msg': some help string; 'fail_insert_callid_session': some help string; 'fail_insert_uri_session': some help string; 'fail_insert_header': some help string; 'select_server_conn': some help string; 'select_server_conn_by_callid': some help string; 'select_server_conn_by_uri': some help string; 'select_server_conn_by_rev_tuple': some help string; 'select_server_conn_failed': some help string; 'select_client_conn': some help string; 'X_forward_for_select_client': some help string; 'call_id_select_client': some help string; 'uri_select_client': some help string; 'client_select_failed': some help string; 'acl_denied': some help string; 'assemble_frag_failed': some help string; 'wrong_ip_version': wrong_ip_version; 'size_too_large': size_too_large; 'fail_split_fragment': some help string; 'client_keepalive_received': some help string; 'server_keepalive_received': some help string; 'client_keepalive_send': some help string; 'server_keepalive_send': some help string; 'ax_health_check_received': some help string; 'client_request': some help string; 'client_request_ok': some help string; 'concatenate_msg': some help string; 'save_uri': some help string; 'save_uri_ok': some help string; 'save_call_id': some help string; 'save_call_id_ok': some help string; 'msg_translation': some help string; 'msg_translation_fail': msg_translation_fail; 'msg_trans_start_line': some help string; 'msg_trans_start_headers': some help string; 'msg_trans_body': some help string; 'request_register': some help string; 'request_invite': some help string; 'request_ack': some help string; 'request_cancel': some help string; 'request_bye': some help string; 'request_options': some help string; 'request_prack': some help string; 'request_subscribe': some help string; 'request_notify': some help string; 'request_publish': some help string; 'request_info': some help string; 'request_refer': some help string; 'request_message': some help string; 'request_update': some help string; 'response_unknown': some help string; 'response_1XX': some help string; 'response_2XX': some help string; 'response_3XX': some help string; 'response_4XX': some help string; 'response_5XX': some help string; 'response_6XX': some help string; 'ha_send_sip_session': some help string; 'ha_send_sip_session_ok': some help

string; 'ha_fail_get_msg_header': ha_fail_get_msg_header; 'ha_recv_sip_session': some help string; 'ha_insert_sip_session_ok': some help string; 'ha_update_sip_session_ok': some help string; 'ha_invalid_pkt': some help string; 'ha_fail_alloc_sip_session': some help string; 'ha_fail_alloc_call_id': some help string; 'ha_fail_clone_sip_session': some help string; 'save_smp_call_id_rtp': some help string; 'update_smp_call_id_rtp': some help string; 'smp_call_id_rtp_session_match': some help string; 'smp_call_id_rtp_session_not_match': some help string; 'process_error_when_message_switch': some help string;

Type: string

Supported Values: all, msg_proxy_current, msg_proxy_total, msg_proxy_mem_allocd, msg_proxy_mem_cached, msg_proxy_mem_freed, msg_proxy_client_recv, msg_proxy_client_send_success, msg_proxy_client_incomplete, msg_proxy_client_drop, msg_proxy_client_connection, msg_proxy_client_fail, msg_proxy_client_fail_parse, msg_proxy_client_fail_process, msg_proxy_client_fail_snat, msg_proxy_client_exceed_tmp_buff, msg_proxy_client_fail_send_pkt, msg_proxy_client_fail_start_server_Conn, msg_proxy_server_recv, msg_proxy_server_send_success, msg_proxy_server_incomplete, msg_proxy_server_drop, msg_proxy_server_fail, msg_proxy_server_fail_parse, msg_proxy_server_fail_process, msg_proxy_server_fail_selec_connt, msg_proxy_server_fail_snat, msg_proxy_server_exceed_tmp_buff, msg_proxy_server_fail_send_pkt, msg_proxy_create_server_conn, msg_proxy_start_server_conn, msg_proxy_fail_start_server_conn, msg_proxy_server_conn_fail_snat, msg_proxy_fail_construct_server_conn, msg_proxy_fail_reserve_pconn, msg_proxy_start_server_conn_failed, msg_proxy_server_conn_already_exists, msg_proxy_fail_insert_server_conn, msg_proxy_parse_msg_fail, msg_proxy_process_msg_fail, msg_proxy_no_vport, msg_proxy_fail_select_server, msg_proxy_fail_alloc_mem, msg_proxy_unexpected_err, msg_proxy_l7_cpu_failed, msg_proxy_l4_to_l7, msg_proxy_l4_from_l7, msg_proxy_to_l4_send_pkt, msg_proxy_l4_from_l4_send, msg_proxy_l7_to_L4, msg_proxy_mag_back, msg_proxy_fail_dcmsg, msg_proxy_deprecated_conn, msg_proxy_hold_msg, msg_proxy_split_pkt, msg_proxy_pipline_msg, msg_proxy_client_reset, msg_proxy_server_reset, session_created, session_freed, session_in_rml, session_invalid, conn_allocd, conn_freed, session_callid_allocd, session_callid_freed, line_mem_allocd, line_mem_freed, table_mem_allocd, table_mem_freed, cmsg_no_uri_header, cmsg_no_uri_session, sg_no_uri_header, smsg_no_uri_session, line_too_long, fail_read_start_line, fail_parse_start_line, invalid_start_line, request_unknown_version, response_unknown_version, request_unknown, fail_parse_headers, too_many_headers, invalid_header, header_name_too_long, body_too_big, fail_get_counter, msg_no_call_id, identify_dir_failed, no_sip_request, deprecated_msg, fail_insert_callid_session, fail_insert_uri_session, fail_insert_header, select_server_conn, select_server_conn_by_callid, select_server_conn_by_uri, select_server_conn_by_rev_tuple, select_server_conn_failed, select_client_conn, X_forward_for_select_client, call_id_select_client, uri_select_client, client_select_failed, acl_denied, assemble_frag_failed, wrong_ip_version, size_too_large, fail_split_fragment, client_keepalive_received, server_keepalive_received, client_keepalive_send, server_keepalive_send, ax_health_check_received, client_request, client_request_ok, concatenate_msg, save_uri, save_uri_ok, save_call_id, save_call_id_ok, msg_translation, msg_translation_fail, msg_trans_start_line, msg_trans_start_headers, msg_trans_body, request_register, request_invite, request_ack, request_cancel, request_bye, request_options, request_prack, request_subscribe, request_notify, request_publish, request_info, request_refer, request_message, request_update, response_unknown, response_1XX, response_2XX, response_3XX, response_4XX, response_5XX, response_6XX, ha_send_sip_session, ha_send_sip_session_ok, ha_fail_get_msg_header, ha_recv_sip_session, ha_insert_sip_session_ok, ha_update_sip_session_ok, ha_invalid_pkt, ha_fail_alloc_sip_session, ha_fail_alloc_call_id, ha_fail_clone_sip_session,

save_smp_call_id_rtp, update_smp_call_id_rtp, smp_call_id_rtp_session_match, smp_call_id_rtp_session_not_match, process_error_when_message_switch

ssl-acme-cert-log

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-forward-proxy-cert

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dynamic-service-dns

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dynamic-service-dns_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'n_query': Number of queries; 'n_query_err': Number of query errors; 'n_query_drop': Number of queries dropped due to full queue; 'n_resp': Number of responses; 'n_resp_err': Number of response errors; 'n_resp_f_formerr': Number of response failure with rcode FormErr; 'n_resp_f_servfail': Number of response failure with rcode ServFail; 'n_resp_f_nxdomain': Number of response failure with rcode NXDomain; 'n_resp_f_notimp': Number of response failure with rcode NotImp; 'n_resp_f_refused': Number of response failure with rcode Refused; 'n_resp_f_yxdomain': Number of response failure with rcode YXDomain; 'n_resp_f_yxrrset': Number of response failure with rcode YXRRSet; 'n_resp_f_nxrrset': Number of response failure with rcode NXRRSet; 'n_resp_f_notauth': Number of response failure with rcode NotAuth; 'n_resp_f_notzone': Number of response failure with rcode NotZone; 'n_resp_f_dsotypeni': Number of response failure with rcode DSOTYPENI; 'n_resp_f_badvers': Number of response failure with rcode BADVERS; 'n_resp_f_badkey': Number of response failure with rcode BADKEY; 'n_resp_f_badtime': Number of response failure with rcode BADTIME; 'n_resp_f_badmode': Number of response failure with rcode BADMODE; 'n_resp_f_badname': Number of response failure with rcode BADNAME; 'n_resp_f_badalg': Number of response failure with rcode BADALG; 'n_resp_f_badtrunc': Number of response failure with rcode BADTRUNC; 'n_resp_f_badcookie': Number of response failure with rcode BADCOOKIE; 'n_resp_f_invalid': Number of response failure with invalid rcode;

Type: string

Supported Values: all, n_query, n_query_err, n_query_drop, n_resp, n_resp_err, n_resp_f_formerr, n_resp_f_servfail, n_resp_f_nxdomain, n_resp_f_notimp, n_resp_f_refused, n_resp_f_yxdomain, n_resp_f_yxrrset, n_resp_f_nxrrset, n_resp_f_notauth, n_resp_f_notzone, n_resp_f_dsotypeni, n_resp_f_badvers, n_resp_f_badkey, n_resp_f_badtime, n_resp_f_badmode, n_resp_f_badname, n_resp_f_badalg, n_resp_f_badtrunc, n_resp_f_badcookie, n_resp_f_invalid

l7session

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l7session_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'start_server_conn_succ': Start Server Conn Success; 'conn_not_exist': Conn does not exist; 'data_event': Data event from TCP; 'client_fin': FIN from client; 'server_fin': FIN from server; 'wbuf_event': Wbuf event from TCP; 'wbuf_cb_failed': Wbuf event callback failed; 'err_event': Err event from TCP; 'err_cb_failed': Err event callback failed; 'server_conn_failed': Server connection failed; 'client_rst': RST from client; 'server_rst': RST from server; 'client_rst_req': RST from client - request; 'client_rst_connecting': RST from client - connecting; 'client_rst_connected': RST from client - connected; 'client_rst_rsp': RST from client - response; 'server_rst_req': RST from server - request; 'server_rst_connecting': RST from server - connecting; 'server_rst_connected': RST from server - connected; 'server_rst_rsp': RST from server - response; 'proxy_v1_connection': counter for Proxy v1 connection; 'proxy_v2_connection': counter for Proxy v2 connection; 'curr_proxy': Curr proxy conn; 'curr_proxy_client': Curr proxy conn - client; 'curr_proxy_server': Curr proxy conn - server; 'curr_proxy_es': Curr proxy conn - ES; 'total_proxy': Total proxy conn; 'total_proxy_client': Total proxy conn - client; 'total_proxy_server': Total proxy conn - server; 'total_proxy_es': Total proxy conn - ES; 'server_select_fail': Server selection fail; 'est_event': Est event from TCP; 'est_cb_failed': Est event callback fail; 'data_cb_failed': Data event callback fail; 'hps_fwdreq_fail': Fwd req fail; 'hps_fwdreq_fail_buff": Fwd req fail - buff; 'hps_fwdreq_fail_rport': Fwd req fail - rport; 'hps_fwdreq_fail_route': Fwd req fail - route; 'hps_fwdreq_fail_persist': Fwd req fail - persist; 'hps_fwdreq_fail_server': Fwd req fail - server; 'hps_fwdreq_fail_tuple': Fwd req fail - tuple; 'udp_data_event': Data event from UDP;

Type: string

Supported Values: all, start_server_conn_succ, conn_not_exist, data_event, client_fin, server_fin, wbuf_event, wbuf_cb_failed, err_event, err_cb_failed, server_conn_failed, client_rst, server_rst, client_rst_req, client_rst_connecting, client_rst_connected, client_rst_rsp, server_rst_req, server_rst_connecting, server_rst_connected, server_rst_rsp, proxy_v1_connection, proxy_v2_connection, curr_proxy, curr_proxy_client, curr_proxy_server, curr_proxy_es, total_proxy, total_proxy_client, total_proxy_server, total_proxy_es, server_select_fail, est_event, est_cb_failed, data_cb_failed, hps_fwdreq_fail, hps_fwdreq_fail_buff, hps_fwdreq_fail_rport, hps_fwdreq_fail_route, hps_fwdreq_fail_persist, hps_fwdreq_fail_server, hps_fwdreq_fail_tuple, udp_data_event, transaction_cleaned, old_server_cleaned, server_not_cleaned, client_not_cleaned, invalid_server

dns-cache

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-cache_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_q': Total query; 'total_r': Total server response; 'hit': Total cache hit; 'bad_q': Query not passed; 'encode_q': Query encoded; 'multiple_q': Query with multiple questions; 'oversize_q': Query exceed cache size; 'bad_r': Response not passed; 'oversize_r': Response exceed cache size; 'encode_r': Response encoded; 'multiple_r': Response with multiple questions; 'answer_r': Response with multiple answers; 'ttl_r': Response with short TTL; 'ageout': Total aged out; 'bad_answer': Bad Answer; 'ageout_weight': Total aged for lower weight; 'total_log': Total stats log sent; 'total_alloc': Total allocated; 'total_freed': Total freed; 'current_allocate': Current allocate; 'current_data_allocate': Current data allocate; 'resolver_queue_full': Resolver task queue full; 'truncated_r': Response with Truncation bit set;

Type: string

Supported Values: all, total_q, total_r, hit, bad_q, encode_q, multiple_q, oversize_q, bad_r, oversize_r, encode_r, multiple_r, answer_r, ttl_r, ageout, bad_answer, ageout_weight, total_log, total_alloc, total_freed, current_allocate, current_data_allocate, resolver_queue_full, truncated_r, qps, hit_rate_per_sec

ipv6-class-list-list

Specification	Value
Type	*list*
Block object keys	

ipv6-list

Type: List

name

Description Specify name of the class list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: test

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ipv6-class-list-list_ipv6-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'add': Add the entry; 'delete': Delete the entry;

Type: string

Supported Values: add, delete

glid

Description Use global Limit ID (Specify global LID index)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: glid,lid, lsn-lid, and lsn-radius-profile are mutually exclusive

ipv6-addr

Description Specify IPv6 host or subnet

Type: string

Format: ipv6-address-plen

lid

Description Use Limit ID defined in template (Specify LID index)

Type: number

Range: 1-1023

Mutual Exclusion: lid,glid, lsn-lid, and lsn-radius-profile are mutually exclusive

lsn-lid

Description LSN Limit ID (LID index)

Type: number

Range: 1-1023

Mutual Exclusion: lsn-lid,lid, glid, and lsn-radius-profile are mutually exclusive

lsn-radius-profile

Description LSN RADIUS Profile Index

Type: number

Range: 1-16

Mutual Exclusion: lsn-radius-profile,lid, glid, and lsn-lid are mutually exclusive

ssl-crl

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-dns-cache

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssl-counters

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hw-compress

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hw-compress_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request_count': Total request count; 'submit_count': Total submit count; 'response_count': Total response count; 'failure_count': Total failure count; 'failure_code': Last failure code; 'ring_full_count': Compression queue full; 'max_outstanding_request_count': Max queued request count; 'max_outstanding_submit_count': Max queued submit count;

Type: string

Supported Values: all, request_count, submit_count, response_count, failure_count, failure_code, ring_full_count, max_outstanding_request_count, max_outstanding_submit_count

transparent-acl-template

Specification	Value
Type	*object*

name

Description Specify template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/tcp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

player-id-global

Specification	Value
Type	*object*

abs-max-expiration

Description Absolute max record expiration value (default 10 minutes) (Absolute max record expiration time in minutes, default 10)

Type: number

Range: 1-32767

Default: 10

enable-64bit-player-id

Description Enable 64 bit player id check. Default is 32 bit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforcement-timer

Description Time to playerid enforcement after bootup (default 480 seconds) (Time to playerid enforcement in seconds, default 480)

Type: number

Range: 1-32767

Default: 480

force-passive

Description Forces the device to be in passive mode (Only stats and no packet drops)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

min-expiration

Description Minimum record expiration value (default 1 min) (Min record expiration time in minutes, default 1)

Type: number

Range: 1-32767

Default: 1

pkt-activity-expiration

Description Packet activity record expiration value (default 5 minutes) (Packet activity record expiration time in minutes, default 5)

Type: number

Range: 1-32767

Default: 5

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

player-id-global_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_playerids_created': Playerid records created; 'total_playerids_deleted': Playerid records deleted; 'total_abs_max_age_outs': Playerid records max time aged out; 'total_pkt_activity_age_outs': Playerid records idle timeout; 'total_invalid_playerid_pkts': Invalid playerid packets; 'total_invalid_playerid_drops': Invalid playerid packet drops; 'total_valid_playerid_pkts': Valid playerid packets;

Type: string

Supported Values: all, total_playerids_created, total_playerids_deleted, total_abs_max_age_outs, total_pkt_activity_age_outs, total_invalid_playerid_pkts, total_invalid_playerid_drops, total_valid_playerid_pkts

service-group-list

Specification	Value
Type	*list*
Block object keys	

backup-server-event-log

Description Send log info on back up server events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate

Description Dynamically enable stateless method by conn-rate (Rate to trigger stateless method(conn/sec))

Type: number

Range: 1-16000000

Mutual Exclusion: conn-rate and l4-session-usage are mutually exclusive

conn-rate-duration

Description Period that trigger condition consistently happens(seconds)

Type: number

Range: 1-600

conn-rate-grace-period

Description Define the grace period during transition (Define the grace period during transition(seconds))

Type: number

Range: 1-600

conn-rate-log

Description Send log if transition happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-revert-duration

Description Period that revert condition consistently happens(seconds)

Type: number

Range: 1-600

conn-revert-rate

Description Rate to revert to statelful method (conn/sec)

Type: number

Range: 1-16000000

extended-stats

Description Enable extended statistics on service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check, shared-partition-svcgrp-health-check, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable,health-check, shared-partition-svcgrp-health-check, and svcgrp-health-check-shared are mutually exclusive

l4-session-revert-duration

Description Period that revert condition consistently happens(seconds)

Type: number

Range: 1-600

l4-session-usage

Description Dynamically enable stateless method by session usage (Usage to trigger stateless method)

Type: number

Range: 1-100

Mutual Exclusion: l4-session-usage and conn-rate are mutually exclusive

l4-session-usage-duration

Description Period that trigger condition consistently happens(seconds)

Type: number

Range: 1-600

l4-session-usage-grace-period

Description Define the grace period during transition (Define the grace period during transition(seconds))

Type: number

Range: 1-600

l4-session-usage-log

Description Send log if transition happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4-session-usage-revert-rate

Description Usage to revert to statelful method

Type: number

Range: 1-100

lb-method

Description 'dst-ip-hash': Load-balancing based on only Dst IP and Port hash; 'dst-ip-only-hash': Load-balancing based on only Dst IP hash; 'fastest-response': Fastest response time on service port level; 'least-request': Least request on service port level; 'src-ip-hash': Load-balancing based on only Src IP and Port hash; 'src-ip-only-hash': Load-balancing based on only Src IP hash; 'weighted-rr': Weighted round robin on server level; 'service-weighted-rr': Weighted round robin on service port level; 'round-robin': Round robin on server level; 'round-robin-strict': Strict mode round robin on server level; 'odd-even-hash': odd/even hash based of client src-ip;

Type: string

Supported Values: dst-ip-hash, dst-ip-only-hash, fastest-response, least-request, weighted-least-request, service-weighted-least-request, src-ip-hash, src-ip-only-hash, weighted-rr, service-weighted-rr, round-robin, round-robin-strict, odd-even-hash

Default: round-robin

Mutual Exclusion: lb-method,lrprr-method, lc-method, stateless-lb-method, llb-method, and lclb-method are mutually exclusive

lc-method

Description 'least-connection': Least connection on server level; 'service-least-connection': Least connection on service port level; 'weighted-least-connection': Weighted least connection on server level; 'service-weighted-least-connection': Weighted least connection on service port level;

Type: string

Supported Values: least-connection, service-least-connection, weighted-least-connection, service-weighted-least-connection

Mutual Exclusion: lc-method,lb-method, lrprr-method, stateless-lb-method, llb-method, and lclb-method are mutually exclusive

lclb-method

Description 'link-cost-load-balance': Link cost load balance;

Type: string

Supported Values: link-cost-load-balance

Mutual Exclusion: lclb-method,lb-method, lrprr-method, lc-method, stateless-lb-method, and llb-method are mutually exclusive

link-probe-template

Description Link Probe template (Link Probe template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/link-probe*

llb-method

Description 'next-hop-link': Server selection w/ link probe template on service port level;

Type: string

Supported Values: next-hop-link

Mutual Exclusion: llb-method,lb-method, lrprr-method, lc-method, stateless-lb-method, and lclb-method are mutually exclusive

lrprr-method

Description 'service-least-request-pseudo-round-robin': Least request on service port level and select the oldest node for sub-select;

Type: string

Supported Values: service-least-request-pseudo-round-robin

Mutual Exclusion: lrprr-method,lb-method, lc-method, stateless-lb-method, llb-method, and lclb-method are mutually exclusive

member-list

Type: List

Reference Object: */axapi/v3/slb/service-group/{name}/member/{name}+{port}*

min-active-member

Description Minimum Active Member Per Priority (Minimum Active Member before Action)

Type: number

Range: 1-1024

min-active-member-action

Description 'dynamic-priority': dynamic change member priority to met the min-active-member requirement; 'skip-pri-set': Skip Current Priority Set If Min not met;

Type: string

Supported Values: dynamic-priority, skip-pri-set

name

Description SLB Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

persist-scoring

Description 'global': Use Global Configuration; 'enable': Enable persist-scoring; 'disable': Disable persist-scoring;

Type: string

Supported Values: global, enable, disable

Default: global

priorities

Type: List

priority-affinity

Description Priority affinity. Persist to the same priority if possible.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

pseudo-round-robin

Description PRR, select the oldest node for sub-select

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

report-delay

Description Reporting frequency (in minutes)

Type: number

Range: 1-7200

reset

Description: reset is a **JSON Block**. Please see below for *service-group-list_reset*

Type: Object

Reference Object: */axapi/v3/slb/service-group/{name}/reset*

reset-on-server-selection-fail

Description Send reset to client if server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-priority-affinity

Description Reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpt-ext-server

Description Report top 10 fastest/slowest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sample-rsp-time

Description sample server response time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-svcgrp-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-svcgrp-health-check, health-check, and health-check-disable are mutually exclusive

stateless-auto-switch

Description Enable auto stateless method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateless-lb-method

Description 'stateless-dst-ip-hash': Stateless load-balancing based on Dst IP and Dst port hash; 'stateless-per-pkt-round-robin': Stateless load-balancing using per-packet round-robin; 'stateless-src-dst-ip-hash': Stateless load-balancing based on IP and port hash for both Src and Dst; 'stateless-src-dst-ip-only-hash': Stateless load-balancing based on only IP hash for both Src and Dst; 'stateless-src-ip-hash': Stateless load-balancing based on Src IP and Src port hash; 'stateless-src-ip-only-hash': Stateless load-balancing based on only Src IP hash; 'stateless-per-pkt-weighted-rr': Stateless load-balancing using per-packet weighted round robin on server level; 'stateless-per-pkt-service-weighted-rr': Stateless load-balancing using per-packet weighted round robin on service port level;

Type: string

Supported Values: stateless-dst-ip-hash, stateless-per-pkt-round-robin, stateless-src-dst-ip-hash, stateless-src-dst-ip-only-hash, stateless-src-ip-hash, stateless-src-ip-only-hash, stateless-per-pkt-weighted-rr, stateless-per-pkt-service-weighted-rr

Mutual Exclusion: stateless-lb-method,lb-method, lrprr-method, lc-method, llb-method, and lclb-method are mutually exclusive

stateless-lb-method2

Description 'stateless-dst-ip-hash': Stateless load-balancing based on Dst IP and Dst port hash; 'stateless-per-pkt-round-robin': Stateless load-balancing using per-packet round-robin; 'stateless-src-dst-ip-hash': Stateless load-balancing based on IP and port hash for both Src and Dst; 'stateless-src-dst-ip-only-hash': Stateless load-balancing based on only IP hash for both Src and Dst; 'stateless-src-ip-hash': Stateless load-balancing based on Src IP and Src port hash; 'stateless-src-ip-only-hash': Stateless load-balancing based on only Src IP hash; 'stateless-per-pkt-weighted-rr': Stateless load-balancing using per-packet weighted round robin on server level; 'stateless-per-pkt-service-weighted-rr': Stateless load-balancing using per-packet weighted round robin on service port level;

Type: string

Supported Values: stateless-dst-ip-hash, stateless-per-pkt-round-robin, stateless-src-dst-ip-hash, stateless-src-dst-ip-only-hash, stateless-src-ip-hash, stateless-src-ip-only-hash, stateless-per-pkt-weighted-rr, stateless-per-pkt-service-weighted-rr

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for service group; 'stats-data-disable': Disable statistical data collection for service group;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

strict-select

Description strict selection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svcgrp-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: svcgrp-health-check-shared and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

template-policy

Description Policy template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/port*

top-fastest

Description Report top 10 fastest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

top-slowest

Description Report top 10 slowest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-replication-mirror

Description Mirror Bi-directional Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror,traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl, traffic-replication-mirror-sa-da-repl, and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-da-repl

Description Replace Destination MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-da-repl,traffic-replication-mirror, traffic-replication-mirror-ip-repl, traffic-replication-mirror-sa-da-repl, and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-ip-repl,traffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-sa-da-repl, and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-sa-da-repl

Description Replace Source MAC and Destination MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-sa-da-repl,traffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl, and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-sa-repl

Description Replace Source MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-sa-repl,traffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl, and traffic-replication-mirror-sa-da-repl are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_member-list

Specification	Value
Type	*list*
Block object keys	

fqdn-name

Description Server hostname - Not applicable if real server is already defined

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

host

Description IP Address - Not applicable if real server is already defined

Type: string

Format: ipv4-address

member-priority

Description Priority of Port in the Group (Priority of Port in the Group, default is 1)

Type: number

Range: 1-16

Default: 1

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port; 'disable-with-health-check': disable member service port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

member-stats-data-disable

Description Disable statistical data collection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

member-template

Description Real server port template (Real server port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/port*

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Reference Object: */axapi/v3/slb/server/port*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 Address - Not applicable if real server is already defined

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-group-list_member-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total established connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count; 'state_flaps': State flaps count;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

service-group-list_reset

Specification	Value
Type	*object*

auto-switch

Description Reset auto stateless state

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-list_priorities

Specification	Value
Type	*list*
Block object keys	

priority

Description Priority option. Define different action for each priority node. (Priority in the Group)

Type: number

Range: 1-16

priority-action

Description 'drop': Drop request when all priority nodes fail; 'drop-if-exceed-limit': Drop request when connection over limit; 'proceed': Proceed to next priority when all priority nodes fail(default); 'reset': Send client reset when all priority nodes fail; 'reset-if-exceed-limit': Send client reset when connection over limit;

Type: string

Supported Values: drop, drop-if-exceed-limit, proceed, reset, reset-if-exceed-limit

Default: proceed

service-group-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Drops due to Service selection failure; 'server_selection_fail_reset': Resets sent out for Service selection failure; 'service_peak_conn': Peak connection count for the Service Group; 'service_healthy_host': Service Group healthy host count; 'service_unhealthy_host': Service Group unhealthy host count; 'service_req_count': Service Group request count; 'service_resp_count': Service Group response count; 'service_resp_2xx': Service Group response 2xx count; 'service_resp_3xx': Service Group response 3xx count; 'service_resp_4xx': Service Group response 4xx count; 'service_resp_5xx': Service Group response 5xx count; 'service_curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn, service_healthy_host, service_unhealthy_host, service_req_count, service_resp_count, service_resp_2xx, service_resp_3xx, service_resp_4xx, service_resp_5xx, service_curr_conn_overflow

ssl-error

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icap_http

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icap_http_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'status_200': Status code 200; 'status_201': Status code 201; 'status_202': Status code 202; 'status_203': Status code 203; 'status_204': Status code 204; 'status_205': Status code 205; 'status_206': Status code 206; 'status_207': Status code 207; 'status_100': Status code 100; 'status_101': Status code 101; 'status_102': Status code 102; 'status_300': Status code 300; 'status_301': Status code 301; 'status_302': Status code 302; 'status_303': Status code 303; 'status_304': Status code 304; 'status_305': Status code 305; 'status_306': Status code 306; 'status_307': Status code 307; 'status_400': Status code 400; 'status_401': Status code 401; 'status_402': Status code 402; 'status_403': Status code 403; 'status_404': Status code 404; 'status_405': Status code 405; 'status_406': Status code 406; 'status_407': Status code 407; 'status_408': Status code 408; 'status_409': Status code 409; 'status_410': Status code 410; 'status_411': Status code 411; 'status_412': Status code 412; 'status_413': Status code 413; 'status_414': Status code 414; 'status_415': Status code 415;

'status_416': Status code 416; 'status_417': Status code 417; 'status_418': Status code 418; 'status_422': Status code 422; 'status_423': Status code 423; 'status_424': Status code 424; 'status_425': Status code 425; 'status_426': Status code 426; 'status_449': Status code 449; 'status_450': Status code 450; 'status_500': Status code 500; 'status_501': Status code 501; 'status_502': Status code 502; 'status_503': Status code 503; 'status_504': Status code 504; 'status_505': Status code 505; 'status_506': Status code 506; 'status_507': Status code 507; 'status_508': Status code 508; 'status_509': Status code 509; 'status_510': Status code 510; 'status_1xx': status code 1XX; 'status_2xx': status code 2XX; 'status_3xx': status code 3XX; 'status_4xx': status code 4XX; 'status_5xx': status code 5XX; 'status_6xx': status code 6XX; 'status_unknown': Status code unknown;

Type: string

Supported Values: all, status_200, status_201, status_202, status_203, status_204, status_205, status_206, status_207, status_100, status_101, status_102, status_300, status_301, status_302, status_303, status_304, status_305, status_306, status_307, status_400, status_401, status_402, status_403, status_404, status_405, status_406, status_407, status_408, status_409, status_410, status_411, status_412, status_413, status_414, status_415, status_416, status_417, status_418, status_422, status_423, status_424, status_425, status_426, status_449, status_450, status_500, status_501, status_502, status_503, status_504, status_505, status_506, status_507, status_508, status_509, status_510, status_1xx, status_2xx, status_3xx, status_4xx, status_5xx, status_6xx, status_unknown

server-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server; 'disable-with-health-check': disable real server, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-server

Type: List

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume (Connection Resume (min active conn before resume taking new conn))

Type: number

Range: 1-1000000

ethernet

Description ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description External IP address for NAT of GSLB

Type: string

Format: ipv4-address

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fqdn-name, server-ipv6-addr, and host are mutually exclusive

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check, shared-partition-health-check, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable,health-check, shared-partition-health-check, and health-check-shared are mutually exclusive

health-check-shared

Description Health Check Monitor (Health monitor name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check-shared and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

host

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: host, server-ipv6-addr, and fqdn-name are mutually exclusive

ipv6

Description IPv6 address Mapping of GSLB

Type: string

Format: ipv6-address

l2-health-check-path

Description L2 health check path

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/system/path*

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: server-ipv6-addr, host, and fqdn-name are mutually exclusive

service-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}*

shared-partition-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-health-check, health-check, and health-check-disable are mutually exclusive

shared-partition-server-template

Description Reference a server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-template and template-server are mutually exclusive

slow-start

Description Slowly ramp up the connection number after server is up (start from 128, then double every 10 sec till 4096)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description This server is a spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

template-link-cost

Description Link-Cost template (Link-Cost template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/link-cost*

template-server

Description Server template (Server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-server and shared-partition-server-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/server*

template-server-shared

Description Server Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server*

trunk

Description trunk interface

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

use-aam-server

Description Using aam server. For health check, please configure it in aam server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for this Real Server (Connection Weight)

Type: number

Range: 1-1000

Default: 1

server-list_port-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-port

Type: List

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *server-list_port-list_auth-cfg*

Type: Object

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume

Type: number

Range: 1-1000000

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check,shared-rport-health-check, health-check-follow-port, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable,health-check, shared-rport-health-check, rport-health-check-shared, and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port, health-check, and health-check-disable are mutually exclusive

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

only

Description Force using HTTP/2 with Prior Knowledge all the time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

range

Description Port range (Port range value - used for vip-to-rport-mapping and vport-rport range mapping)

Type: number

Range: 0-254

Default: 0

rport-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: rport-health-check-shared and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

sampling-enable

Type: List

shared-partition-port-template

Description Reference a port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-port-template and template-port are mutually exclusive

shared-rport-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-rport-health-check, health-check, and health-check-disable are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

support-http2

Description Starting HTTP/2 with Prior Knowledge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-port and shared-partition-port-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/port*

template-port-shared

Description Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/port*

template-server-ssl

Description Server side SSL template (Server side SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Port Weight (Connection Weight)

Type: number

Range: 1-1000

Default: 1

server-list_port-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy requests; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'resp-count': Total Response Count; 'resp-1xx': Response status 1xx; 'resp-2xx': Response status 2xx; 'resp-3xx': Response status 3xx; 'resp-4xx': Response status 4xx; 'resp-5xx': Response status 5xx; 'resp-other': Response status Other; 'resp-latency': Time to First Response Byte; 'curr_pconn': Current persistent connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

server-list_port-list_alternate-port

Specification	Value
Type	*list*
Block object keys	

alternate

Description Alternate Server Number

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

alternate-server-port

Description Port (Alternate Server Port Value)

Type: number

Range: 1-65535

server-list_port-list_auth-cfg

Specification	Value
Type	*object*

service-principal-name

Description Service Principal Name (Kerberos principal name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-list_alternate-server

Specification	Value
Type	*list*
Block object keys	

alternate

Description Alternate Server (Alternate Server Number)

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-conn': Total established connections; 'fwd-pkt': Forward Packets Processed; 'rev-pkt': Reverse Packets Processed; 'peak-conn': Peak number of established connections; 'total_req': Total Requests processed; 'total_req_succ': Total Requests succeeded; 'curr_ssl_conn': Current SSL connections established; 'total_ssl_conn': Total SSL connections established; 'total_fwd_bytes': Bytes processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_pkts': Packets processed in reverse direction; 'ip_only_lb_fwd_bytes': IP-Only-LB Bytes processed in forward direction; 'ip_only_lb_rev_bytes': IP-Only-LB Bytes processed in reverse direction; 'ip_only_lb_fwd_pkts': IP-Only-LB Packets processed in forward direction; 'ip_only_lb_rev_pkts': IP-Only-LB Packets processed in reverse direction;

Type: string

Supported Values: all, total-conn, fwd-pkt, rev-pkt, peak-conn, total_req, total_req_succ, curr_ssl_conn, total_ssl_conn, total_fwd_bytes, total_rev_bytes, total_fwd_pkts, total_rev_pkts, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts

server-list_service-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-service-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-list_service-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy requests; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with

good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'resp-count': Total Response Count; 'resp-1xx': Response status 1xx; 'resp-2xx': Response status 2xx; 'resp-3xx': Response status 3xx; 'resp-4xx': Response status 4xx; 'resp-5xx': Response status 5xx; 'resp-other': Response status Other; 'resp-latency': Time to First Response Byte; 'curr_pconn': Current persistent connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

switch

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

switch_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwlb': FWLB; 'licexpire_drop': License Expire Drop; 'bwl_drop': BW Limit Drop; 'rx_kernel': Received kernel; 'rx_arp_req': ARP REQ Rcvd; 'rx_arp_resp': ARP RESP Rcvd; 'vlan_flood': VLAN Flood; 'l2_def_vlan_drop': L2 Default Vlan FWD Drop; 'ipv4_noroute_drop': IPv4 No Route Drop; 'ipv6_noroute_drop': IPv6 No Route Drop; 'prot_down_drop': Prot Down Drop; 'l2_forward': L2 Forward; 'l3_forward_ip': L3 IP Forward; 'l3_forward_ipv6': L3 IPv6 Forward; 'l4_process': L4 Process; 'unknown_prot_drop': Unknown Prot Drop; 'ttl_exceeded_drop': TTL Exceeded Drop; 'linkdown_drop': Link Down Drop; 'sport_drop': SPORT Drop; 'incorrect_len_drop': Incorrect Length Drop; 'ip_defrag': IP Defrag; 'acl_deny': ACL Denys; 'ipfrag_tcp': IP(TCP) Fragment Rcvd; 'ipfrag_overlap': IP Fragment Overlap; 'ipfrag_timeout': IP Fragment Timeout; 'ipfrag_overload': IP Frag

Overload Drops; 'ipfrag_reasmoks': IP Fragment Reasm OKs; 'ipfrag_reasmfails': IP Fragment Reasm Fails; 'land_drop': Anomaly Land Attack Drop; 'ipoptions_drop': Anomaly IP OPT Drops; 'badpkt_drop': Bad Pkt Drop; 'pingofdeath_drop': Anomaly PingDeath Drop; 'allfrag_drop': Anomaly All Frag Drop; 'tcpnoflag_drop': Anomaly TCP noFlag Drop; 'tcpsynfrag_drop': Anomaly SYN Frag Drop; 'tcpsynfin_drop': Anomaly TCP SYN-FIN Drop; 'ipsec_drop': IPSec Drop; 'bpdu_rcvd': BPDUs Received; 'bpdu_sent': BPDUs Sent; 'ctrl_syn_rate_drop': SYN rate exceeded Drop; 'ip_defrag_invalid_len': IP Invalid Length Frag; 'ipv4_frag_6rd_ok': IPv4 Frag 6RD OK; 'ipv4_frag_6rd_drop': IPv4 Frag 6RD Dropped; 'no_ip_drop': No IP Drop; 'ipv6frag_udp': IPv6 Frag UDP; 'ipv6frag_udp_dropped': IPv6 Frag UDP Dropped; 'ipv6frag_tcp_dropped': IPv6 Frag TCP Dropped; 'ipv6frag_ipip_ok': IPv6 Frag IPIP OKs; 'ipv6frag_ipip_dropped': IPv6 Frag IPIP Drop; 'ip_frag_oversize': IP Fragment oversize; 'ip_frag_too_many': IP Fragment too many; 'ipv4_novlanfwd_drop': IPv4 No L3 VLAN FWD Drop; 'ipv6_novlanfwd_drop': IPv6 No L3 VLAN FWD Drop; 'fpga_error_pkt1': FPGA Error PKT1; 'fpga_error_pkt2': FPGA Error PKT2; 'max_arp_drop': Max ARP Drop; 'ipv6frag_tcp': IPv6 Frag TCP; 'ipv6frag_icmp': IPv6 Frag ICMP; 'ipv6frag_ospf': IPv6 Frag OSPF; 'ipv6frag_esp': IPv6 Frag ESP; 'l4_in_ctrl_cpu': L4 In Ctrl CPU; 'mgmt_svc_drop': Management Service Drop; 'jumbo_frag_drop': Jumbo Frag Drop; 'ipv6_jumbo_frag_drop': IPv6 Jumbo Frag Drop; 'ip-ipv6_jumbo_frag_drop': IPIPv6 Jumbo Frag Drop; 'ipv6_ndisc_dad_solicits': IPv6 DAD on Solicits; 'ipv6_ndisc_dad_adverts': IPv6 DAD on Adverts; 'ipv6_ndisc_mac_changes': IPv6 DAD MAC Changed; 'ipv6_ndisc_out_of_memory': IPv6 DAD Out-of-memory; 'sp_non_ctrl_pkt_drop': Shared IP mode non ctrl packet to linux drop; 'urpf_pkt_drop': URPF check packet drop; 'fw_smp_zone_mismatch': FW SMP Zone Mismatch; 'ipfrag_udp': IP(UDP) Fragment Rcvd; 'ipfrag_icmp': IP(ICMP) Fragment Rcvd; 'ipfrag_ospf': IP(OSPF) Fragment Rcvd; 'ipfrag_esp': IP(ESP) Fragment Rcvd; 'ipfrag_tcp_dropped': IP Frag TCP Dropped; 'ipfrag_udp_dropped': IP Frag UDP Dropped; 'ipfrag_ipip_dropped': IP Frag IPIP Drop; 'redirect_fwd_fail': Redirect failed in the fwd direction; 'redirect_fwd_sent': Redirect succeeded in the fwd direction; 'redirect_rev_fail': Redirect failed in the rev direction; 'redirect_rev_sent': Redirect succeeded in the rev direction; 'redirect_setup_fail': Redirect connection setup failed; 'ip_frag_sent': IP frag sent; 'invalid_rx_arp_pkt': Invalid ARP PKT Rcvd; 'invalid_sender_mac_arp_drop': ARP PKT dropped due to invalid sender MAC; 'dev_based_arp_drop': ARP PKT dropped due to interface state checks; 'scaleout_arp_drop': ARP PKT dropped due to scaleout checks; 'virtual_ip_not_found_arp_drop': ARP PKT dropped due to virtual IP not found; 'inactive_static_nat_pool_arp_drop': ARP PKT dropped due to inactive static nat pool; 'inactive_nat_pool_arp_drop': ARP PKT dropped due to inactive nat pool; 'scaleout_hairpin_arp_drop': ARP PKT dropped due to scaleout hairpin checks; 'self_grat_arp_drop': Self generated grat ARP PKT dropped; 'self_grat_nat_ip_arp_drop': Self generated grat ARP PKT dropped for NAT IP; 'ip_not_found_arp_drop': ARP PKT dropped due to IP not found; 'dev_link_down_arp_drop': ARP PKT dropped due to interface is down; 'lacp_tx_intf_err_drop': LACP interface error corrected; 'service_chain_sent': Service Chain Packets Sent; 'service_chain_rcvd': Service Chain Packets Rcvd; 'unnumbered_nat_error': Unnumbered NAT error; 'unnumbered_unsupported_drop': Unsupported protocol for unnumbered; 'ipv6frag_gre_dropped': IPv6 Frag gre Drop; 'ipv6_ndisc_dad_prefix_mismatch_drop': IPv6 DAD on Advertise drop for prefix mismatch; 'bw_ignore_limit': BW Limit ignored packets count; 'ppsl_drop_egr': Packet-Per-Sec Limit Drop at egress; 'ppsl_drop_ing': Packet-Per-Sec Limit Drop at ingress; 'ppsl_ignore_limit': Packet-Per-Sec Limit ignored packets count; 'closed_port_syn_drop': Linux Closed Port SYN Drop;

Type: string

Supported Values: all, fwlb, licexpire_drop, bwl_drop, rx_kernel, rx_arp_req, rx_arp_resp, vlan_flood, l2_def_vlan_drop, ipv4_noroute_drop, ipv6_noroute_drop, prot_down_drop, l2_forward, l3_forward_ip, l3_forward_ipv6, l4_process, unknown_prot_drop, ttl_exceeded_drop, linkdown_drop, sport_drop, incorrect_len_drop, ip_defrag,

acl_deny, ipfrag_tcp, ipfrag_overlap, ipfrag_timeout, ipfrag_overload, ipfrag_reasmoks, ipfrag_reasmfails, land_drop, ipoptions_drop, badpkt_drop, pingofdeath_drop, allfrag_drop, tcpnoflag_drop, tcpsynfrag_drop, tcpsynfin_drop, ipsec_drop, bpdu_rcvd, bpdu_sent, ctrl_syn_rate_drop, ip_defrag_invalid_len, ipv4_frag_6rd_ok, ipv4_frag_6rd_drop, no_ip_drop, ipv6frag_udp, ipv6frag_udp_dropped, ipv6frag_tcp_dropped, ipv6frag_ipip_ok, ipv6frag_ipip_dropped, ip_frag_oversize, ip_frag_too_many, ipv4_novlanfwd_drop, ipv6_novlanfwd_drop, fpga_error_pkt1, fpga_error_pkt2, max_arp_drop, ipv6frag_tcp, ipv6frag_icmp, ipv6frag_ospf, ipv6frag_esp, l4_in_ctrl_cpu, mgmt_svc_drop, jumbo_frag_drop, ipv6_jumbo_frag_drop, ipipv6_jumbo_frag_drop, ipv6_ndisc_dad_solicits, ipv6_ndisc_dad_adverts, ipv6_ndisc_mac_changes, ipv6_ndisc_out_of_memory, sp_non_ctrl_pkt_drop, urpf_pkt_drop, fw_smp_zone_mismatch, ipfrag_udp, ipfrag_icmp, ipfrag_ospf, ipfrag_esp, ipfrag_tcp_dropped, ipfrag_udp_dropped, ipfrag_ipip_dropped, redirect_fwd_fail, redirect_fwd_sent, redirect_rev_fail, redirect_rev_sent, redirect_setup_fail, ip_frag_sent, invalid_rx_arp_pkt, invalid_sender_mac_arp_drop, dev_based_arp_drop, scaleout_arp_drop, virtual_ip_not_found_arp_drop, inactive_static_nat_pool_arp_drop, inactive_nat_pool_arp_drop, scaleout_hairpin_arp_drop, self_grat_arp_drop, self_grat_nat_ip_arp_drop, ip_not_found_arp_drop, dev_link_down_arp_drop, lacp_tx_intf_err_drop, service_chain_sent, service_chain_rcvd, unnumbered_nat_error, unnumbered_unsupported_drop, ipv6frag_gre_dropped, ipv6_ndisc_dad_prefix_mismatch_drop, bw_ignore_limit, ppsl_drop_egr, ppsl_drop_ing, ppsl_ignore_limit, closed_port_syn_drop, ip_icmp_error_drop, tls13_drop_req, tls13_ignore_req, tls12_drop_req, tls12_ignore_req, tls12_tls13_drop_req, tls12_tls13_ignore_req, mac_movement

ftp-ctl

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ftp-ctl_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description ‘all’: all; ‘sessions_num’: Total Control Sessions; ‘alg_pkts_num’: Total ALG packets; ‘alg_pkts_xmitted_num’: ALG packets rexmitted;

'alg_port_helper_created': Total PORT helper sessions; 'alg_pasv_helper_created': Total PASV helper sessions; 'alg_port_helper_freed_unused': PORT helper freed unused; 'alg_pasv_helper_freed_unused': PASV helper freed unused; 'alg_port_helper_nat_free': PORT helper NAT free;

Type: string

Supported Values: all, sessions_num, alg_pkts_num, alg_pkts_xmitted_num, alg_port_helper_created, alg_pasv_helper_created, alg_port_helper_freed_unused, alg_pasv_helper_freed_unused, alg_port_helper_nat_free

2.120.2 slb aflex

slb aflex endpoint for clear

aflex Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	aflex
Element URI	/axapi/v3/slb/aflex
Element Attributes	aflex_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/aflex/oper
Schema	`aflex schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflex

aflex attributes

Get Object

GET

/axapi/v3/slb/aflex

aflex attributes

Modify Object

POST

/axapi/v3/slb/aflex

aflex attributes

Replace Object

PUT

/axapi/v3/slb/aflex

aflex attributes

Delete Object

DELETE

/axapi/v3/slb/aflex

aflex attributes

aflex attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.3 slb aflex-log

aflex logging facility

aflex-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	aflex-log
Element URI	/axapi/v3/slb/aflex-log
Element Attributes	aflex-log_attributes
Partition Visibility	shared
Schema	`aflex-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflex-log

aflex-log attributes

Get Object

GET

/axapi/v3/slb/aflex-log

aflex-log attributes

Modify Object

POST

/axapi/v3/slb/aflex-log

aflex-log attributes

Replace Object

PUT

/axapi/v3/slb/aflex-log

aflex-log attributes

Delete Object

DELETE

/axapi/v3/slb/aflex-log

aflex-log attributes

aflex-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.4 slb aflex oper

Operational Status for the object aflex

aflex Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	aflex
Element URI	/axapi/v3/slb/aflex/oper
Element Attributes	aflex_attributes
Partition Visibility	None
Schema	`aflex schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflex/oper

aflex attributes

Get Object

GET

/axapi/v3/slb/aflex/oper

aflex attributes

Modify Object

POST

/axapi/v3/slb/aflex/oper

aflex attributes

Replace Object

PUT

/axapi/v3/slb/aflex/oper

aflex attributes

Delete Object

DELETE

/axapi/v3/slb/aflex/oper

aflex attributes

aflex attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

aflex-count

Description

Type: number

aflex-file-size-max

Description

Type: number

file-list

Type: List

filter_debug

Description

Type: number

filter_entry

Description

Type: string

filter_event

Description

Type: string

filter_substring

Description

Type: number

thread-list

Type: List

oper_file-list

Specification	Value
Type	*list*
Block object keys	

events

Type: List

file

Description

Type: string

syntax

Description

Type: string

vport-list

Type: List

vport_bound

Description

Type: string

oper_file-list_vport-list

Specification	Value
Type	*list*
Block object keys	

port

Description

Type: number

vserver

Description

Type: string

oper_file-list_events

Specification	Value
Type	*list*
Block object keys	

aborts

Description

Type: number

event-type

Description

Type: string

exceed_time_limit

Description

Type: number

failures

Description

Type: number

total-executions

Description

Type: number

oper_thread-list

Specification	Value
Type	*list*
Block object keys	

err-line

Description

Type: number

error-list

Type: List

last-msg

Description

Type: string

thread

Description

Type: number

oper_thread-list_error-list

Specification	Value
Type	*list*
Block object keys	

cmd-name

Description

Type: string

err-msg

Description

Type: string

event-name

Description

Type: string

file-name

Description

Type: string

line-number

Description

Type: number

2.120.5 slb aflow

Configure aFlow

aflow Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	aflow
Element URI	/axapi/v3/slb/aflow
Element Attributes	aflow_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/aflow/stats
Operational Data URI	/axapi/v3/slb/aflow/oper
Schema	`aflow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflow

aflow attributes

Get Object

GET

/axapi/v3/slb/aflow

aflow attributes

Modify Object

POST

/axapi/v3/slb/aflow

aflow attributes

Replace Object

PUT

/axapi/v3/slb/aflow

aflow attributes

Delete Object

DELETE

/axapi/v3/slb/aflow

aflow attributes

aflow attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pause_conn': Pause connection; 'pause_conn_fail': Pause connection fail; 'resume_conn': Resume connection; 'event_resume_conn': Resume conn by event; 'timer_resume_conn': Resume conn by timer; 'try_to_resume_conn': Resume conn by trying; 'retry_resume_conn': Resume conn by retry; 'error_resume_conn': Resume conn by error; 'open_new_server_conn': Open new server conn; 'reuse_server_idle_conn': Reuse idle server conn; 'inc_aflow_limit': Inc aFlow limit;

Type: string

Supported Values: all, pause_conn, pause_conn_fail, resume_conn, event_resume_conn, timer_resume_conn, try_to_resume_conn, retry_resume_conn, error_resume_conn, open_new_server_conn, reuse_server_idle_conn, inc_aflow_limit

2.120.6 slb aflow oper

Operational Status for the object aflow

aflow Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	aflow
Element URI	/axapi/v3/slb/aflow/oper
Element Attributes	aflow_attributes
Partition Visibility	None
Schema	`aflow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflow/oper

aflow attributes

Get Object

GET

/axapi/v3/slb/aflow/oper

aflow attributes

Modify Object

POST

/axapi/v3/slb/aflow/oper

aflow attributes

Replace Object

PUT

/axapi/v3/slb/aflow/oper

aflow attributes

Delete Object

DELETE

/axapi/v3/slb/aflow/oper

aflow attributes

aflow attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

aflow-cpu-list

Type: List

cpu-count

Description

Type: number

oper_aflow-cpu-list

Specification	Value
Type	*list*
Block object keys	

error_resume_conn

Description

Type: number

event_resume_conn

Description

Type: number

inc_aflow_limit

Description

Type: number

open_new_server_conn

Description

Type: number

pause_conn

Description

Type: number

pause_conn_fail

Description

Type: number

resume_conn

Description

Type: number

retry_resume_conn

Description

Type: number

reuse_server_idle_conn

Description

Type: number

timer_resume_conn

Description

Type: number

try_to_resume_conn

Description

Type: number

2.120.7 slb aflow stats

Statistics for the object aflow

aflow Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	aflow
Element URI	/axapi/v3/slb/aflow/stats
Element Attributes	aflow_attributes
Partition Visibility	None
Schema	`aflow schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/aflow/stats

aflow attributes

Get Object

GET

/axapi/v3/slb/aflow/stats

aflow attributes

Modify Object

POST

/axapi/v3/slb/aflow/stats

aflow attributes

Replace Object

PUT

/axapi/v3/slb/aflow/stats

aflow attributes

Delete Object

DELETE

/axapi/v3/slb/aflow/stats

aflow attributes

aflow attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

error_resume_conn

Description Resume conn by error

Type: number

Format: counter

event_resume_conn

Description Resume conn by event

Type: number

Format: counter

inc_aflow_limit

Description Inc aFlow limit

Type: number

Format: counter

open_new_server_conn

Description Open new server conn

Type: number

Format: counter

pause_conn

Description Pause connection

Type: number

Format: counter

pause_conn_fail

Description Pause connection fail

Type: number

Format: counter

resume_conn

Description Resume connection

Type: number

Format: counter

retry_resume_conn

Description Resume conn by retry

Type: number

Format: counter

reuse_server_idle_conn

Description Reuse idle server conn

Type: number

Format: counter

timer_resume_conn

Description Resume conn by timer

Type: number

Format: counter

try_to_resume_conn

Description Resume conn by trying

Type: number

Format: counter

2.120.8 slb common

SLB related commands

common Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/slb/common
Element Attributes	common_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/common/oper
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common

common attributes

Get Object

GET

/axapi/v3/slb/common

common attributes

Modify Object

POST

/axapi/v3/slb/common

common attributes

Replace Object

PUT

/axapi/v3/slb/common

common attributes

Delete Object

DELETE

/axapi/v3/slb/common

common attributes

common attributes

N5-new

Description HW assisted N5 SSL module with TLS 1.3 and TLS 1.2 support using OpenSSL 1.1.1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: N5-new,software, software-tls13, QAT, QAT4, N5-old, and software-tls13-offload are mutually exclusive

N5-old

Description HW assisted N5 SSL module with TLS 1.2 support using OpenSSL 0.9.7

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: N5-old,software, software-tls13, QAT, QAT4, N5-new, and software-tls13-offload are mutually exclusive

QAT

Description HW assisted QAT SSL module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: QAT,software, software-tls13, QAT4, N5-new, N5-old, and software-tls13-offload are mutually exclusive

QAT4

Description HW assisted QAT Gen4 SSL module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: QAT4,software, software-tls13, QAT, QAT4, N5-new, N5-old, and software-tls13-offload are mutually exclusive

aflex-persist-uie-chassis-sync-enable

Description Enable aflex persist uie cross PU sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aflex-table-entry-aging-interval

Description aFleX table entry aging interval in second

Type: number

Range: 1-3600

Default: 1

aflex-table-entry-sync

Description: aflex-table-entry-sync is a **JSON Block**. Please see below for *aflex-table-entry-sync*

Type: Object

Reference Object: */axapi/v3/slb/common/aflex-table-entry-sync*

after-disable

Description Graceful shutdown after disable server/port and/or virtual server/port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-in-gateway-mode

Description Use source NAT gateway for L3 traffic for gateway mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

attack-resp-code

Description Custom response code

Type: number

Range: 400-599

Default: 410

auto-nat-no-ip-refresh

Description 'enable': enable; 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

auto-translate-port

Description Auto Translate Port range

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff-thresh

Description Set buffer threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

buff-thresh-hw-buff

Description Set hardware buffer threshold

Type: number

Range: 1-2147483647

buff-thresh-relieve-thresh

Description Relieve threshold

Type: number

Range: 0-2147483647

buff-thresh-sys-buff-high

Description Set high water mark of system buffer

Type: number

Range: 0-2147483647

buff-thresh-sys-buff-low

Description Set low water mark of system buffer

Type: number

Range: 0-2147483647

cache-expire-time

Description Cache expiration time, default is 1 minute

Type: number

Range: 1-480

Default: 1

cancel-stream-loop-limit

Description Set global cancel stream loop limit (cancel stream loop limit, default is 5)

Type: number

Range: 0-50

Default: 5

cert-pinning

Description: cert-pinning is a **JSON Block**. Please see below for *cert-pinning*

Type: Object

Reference Object: */axapi/v3/slb/common/cert-pinning*

clientside-ip

Description Clientside IP address

Type: string

Format: ipv4-address

clientside-ipv6

Description Clientside IPv6 address

Type: string

Format: ipv6-address

compress-block-size

Description Set compression block size (Compression block size in bytes)

Type: number

Range: 6000-131008

conn-rate-limit

Description: conn-rate-limit is a **JSON Block**. Please see below for *conn-rate-limit*

Type: Object

Reference Object: */axapi/v3/slb/common/conn-rate-limit*

custom-message

Description Block message

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-message and custom-page are mutually exclusive

custom-page

Description Specify the custom webpage name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-page and custom-message are mutually exclusive

custom-signal-clist

Description Provide custom signal names

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ddos-pkt-count-thresh

Description Set packet count threshold for DDOS, default is 100

Type: number

Range: 1-256

Default: 100

ddos-pkt-size-thresh

Description Set data packet size threshold for DDOS, default is 64 bytes

Type: number

Range: 1-256

Default: 64

ddos-protection

Description: ddos-protection is a **JSON Block**. Please see below for *ddos-protection*

Type: Object

disable-adaptive-resource-check

Description Disable adaptive resource check based on buffer usage

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-persist-scoring

Description Disable Persist Scoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-port-masking

Description Disable masking of ports for CPU hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-server-auto-reselect

Description Disable auto reselection of server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-age

Description Set DNS cache entry age, default is 300 seconds (1-1000000 seconds, default is 300 seconds)

Type: number

Range: 1-1000000

Default: 300

dns-cache-age-min-threshold

Description Set DNS cache entry age minimum threshold, default is 0 seconds (1-1000000 seconds, default is 0 seconds)

Type: number

Range: 0-1000000

Default: 0

dns-cache-aging-weight

Description Set DNS cache entry weight, default is 1

Type: number

Range: 1-7

Default: 1

dns-cache-enable

Description Enable DNS cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-entry-size

Description Set DNS cache entry size, default is 256 bytes (1-4096 bytes, default is 256 bytes)

Type: number

Range: 1-4096

Default: 256

dns-cache-hitcount-enable

Description Enable DNS cache entry hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-sync

Description Enable DNS cache HA sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cache-sync-entry-size

Description Only sync DNS cache with smaller size (1-4096 bytes, default is 256 bytes)

Type: number

Range: 1-4096

Default: 256

dns-cache-sync-ttl-threshold

Description Only sync DNS cache with longer TTL (0-10000000 seconds, default is 0 second)

Type: number

Range: 0-10000000

Default: 0

dns-cache-ttl-adjustment-enable

Description Enable DNS cache response ttl adjustment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cookie-cache-policy

Description 'served-by-cache': Answer from cache for requests with cookie; 'served-by-backend': Answer from server for requests with cookie;

Type: string

Supported Values: served-by-cache, served-by-backend

dns-negative-cache-bypass-threshold

Description Query bypass threshold of negative cache entry, default is 100

Type: number

Range: 1-65535

Default: 100

dns-negative-cache-caching-non-valid

Description Enable caching non-valid negative response, otherwise will only cache valid negative response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-negative-cache-enable

Description Enable DNS negative cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-persistent-cache-enable

Description Enable persistent DNS cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-persistent-cache-hit-threshold

Description Only save DNS cache with larger hit count (0-10000000, default is 0)

Type: number

Range: 0-10000000

Default: 0

dns-persistent-cache-ttl-threshold

Description Only save DNS cache with longer TTL (0-10000000 seconds, default is 0 second)

Type: number

Range: 0-10000000

Default: 0

dns-response-rate-limiting

Description: dns-response-rate-limiting is a **JSON Block**. Please see below for *dns-response-rate-limiting*

Type: Object

Reference Object: */axapi/v3/slb/common/dns-response-rate-limiting*

dns-vip-stateless

Description Enable DNS VIP stateless mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-icmp-to-vip-when-vip-down

Description Drop ICMP to VIP when VIP down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dsr-health-check-enable

Description Enable dsr-health-check (direct server return health check)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ecmp-hash

Description 'system-default': Use system default ecmp hashing algorithm; 'connection-based': Use connection information for hashing;

Type: string

Supported Values: system-default, connection-based

Default: system-default

enable-ddos

Description Enable DDoS protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-fast-path-rerouting

Description Enable Fast-Path Rerouting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-l7-req-acct

Description Enable L7 request accounting

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

entity

Description 'server': Graceful shutdown server/port only; 'virtual-server': Graceful shutdown virtual server/port only;

Type: string

Supported Values: server, virtual-server

exclude-destination

Description 'local': Maximum local rate; 'remote': Maximum remote rate; (Maximum rates)

Type: string

Supported Values: local, remote

extended-stats

Description Enable global slb extended statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-path-disable

Description Disable fast path in SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-health-check

Description Enable gateway health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

global-dns-cache

Description: global-dns-cache is a **JSON Block**. Please see below for *global-dns-cache*

Type: Object

Reference Object: */axapi/v3/slb/common/global-dns-cache*

graceful-shutdown

Description 1-65535, in unit of seconds

Type: number

Range: 1-65535

graceful-shutdown-enable

Description Enable graceful shutdown

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check-to-all-vip

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

http-fast-enable

Description Enable Http Fast in SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-compression

Description Use hardware compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hw-syn-rr

Description Configure hardware SYN round robin (range 1-500000)

Type: number

Range: 1-500000

interval

Description Specify the healthcheck interval, default is 5 seconds (Interval Value, in seconds (default 5))

Type: number

Range: 1-180

Default: 5

ipv4-offset

Description IPv4 Octet Offset for Hash

Type: number

Range: 0-3

Default: 0

ipv6-subnet

Description IPv6 Octet Valid Subnet Length for Hash

Type: number

Range: 0-15

Default: 0

l2l3-trunk-lb-disable

Description Disable L2/L3 trunk LB

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-latency

Description Enable low latency mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-buff-queued-per-conn

Description Set per connection buffer threshold (Buffer value range 128-4096)

Type: number

Range: 128-4096

Default: 1000

max-http-header-count

Description Set maximum number of HTTP headers allowed

Type: number

Range: 90-255

Default: 90

max-local-rate

Description Set maximum local rate

Type: number

Range: 1-500

Default: 64

max-persistent-cache

Description Define maximum persistent cache (Maximum persistent cache entry)

Type: number

max-remote-rate

Description Set maximum remote rate

Type: number

Range: 1-1000000

Default: 15000

monitor-mode-enable

Description Enable NG-WAF monitor mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msl-time

Description Configure maximum session life, default is 2 seconds (1-39 seconds, default is 2 seconds)

Type: number

Range: 1-39

Default: 2

mss-table

Description Set MSS table (128-750, default is 536)

Type: number

Range: 128-750

Default: 536

ngwaf-proxy-ipv4

Description IPv4 address

Type: string

Format: ipv4-address

Mutual Exclusion: ngwaf-proxy-ipv4 and ngwaf-proxy-ipv6 are mutually exclusive

ngwaf-proxy-ipv6

Description IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ngwaf-proxy-ipv6 and ngwaf-proxy-ipv4 are mutually exclusive

ngwaf-proxy-port

Description Port

Type: number

Range: 1-65534

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

odd-even-nat-enable

Description Enable odd even nat pool allocation in dual blade systems

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

odd-even-nat-one-arm

Description Enable odd even nat pool allocation in one-arm deployment

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn-hm-rate

Description One Server Conn Health Check Rate

Type: number

Range: 1-60

override-port

Description Enable override port in DSR health check mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pbslb-entry-age

Description Set global pbslb entry age (minute)

Type: number

Range: 1-127

Default: 6

pbslb-overflow-glid

Description Apply global limit id to overflow pbslb entry

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/glid*

per-thr-percent

Description Percentage of default session count to use for per thread session table size

Type: number

Range: 1-100

ping-sweep-detection

Description 'enable': Enable ping sweep detection; 'disable': Disable ping sweep detection(default);

Type: string

Supported Values: enable, disable

Default: disable

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

player-id-check-enable

Description Enable the Player id check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Serverside port number for SNI transmission

Type: number

Range: 1-65535

port-scan-detection

Description 'enable': Enable port scan detection; 'disable': Disable port scan detection(default);

Type: string

Supported Values: enable, disable

Default: disable

pre-process-enable

Description Enable NG-WAF pre-processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic

Description: quic is a **JSON Block**. Please see below for *quic*

Type: Object

Reference Object: */axapi/v3/slb/common/quic*

range

Description auto translate port range

Type: number

Range: 1-3

range-end

Description port range end

Type: number

Range: 0-65535

range-start

Description port range start

Type: number

Range: 0-65535

rate-limit-logging

Description Configure rate limit logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recursive-ns-cache

Description 'honor-packet-ttl': Honor the lowest TTL among NS records in the server response; 'honor-age-config': Honor the ttl/age settings based on acos dns cache configuration;

Type: string

Supported Values: honor-packet-ttl, honor-age-config

Default: honor-packet-ttl

redirect-dummy-ethernet

Description Ethernet interface (Ethernet interface number)

Type: number

Format: interface

redirect-dummy-vlan

Description VLAN Id

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

reset-stale-session

Description Send reset if session in delete queue receives a SYN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resolve-port-conflict

Description Enable client port service port conflicts

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type

Description 'single-answer': Only cache DNS response with single answer; 'round-robin': Round robin;

Type: string

Supported Values: single-answer, round-robin

scale-out

Description Enable SLB scale out

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

scale-out-traffic-map

Description Set SLB scaleout traffic-map

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

serverside-ip

Description Serverside IP address

Type: string

Format: ipv4-address

serverside-ipv6

Description Serverside IPv6 address

Type: string

Format: ipv6-address

service-group-on-no-dest-nat-vports

Description 'allow-same': Allow the binding service-group on no-dest-nat virtual ports; 'enforce-different': Enforce that the same service-group can not be bound on different no-dest-nat virtual ports;

Type: string

Supported Values: allow-same, enforce-different

Default: enforce-different

show-slb-server-legacy-cmd

Description Enable show slb server legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show-slb-service-group-legacy-cmd

Description Enable show slb service-group legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

show-slb-virtual-server-legacy-cmd

Description Enable show slb virtual-server legacy command

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-gwy-for-l3

Description Use source NAT gateway for L3 traffic for transparent mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-preserve

Description: snat-preserve is a **JSON Block**. Please see below for *snat-preserve*

Type: Object

software

Description Software

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: software,software-tls13, QAT, QAT4, N5-new, N5-old, and software-tls13-offload are mutually exclusive

software-tls13

Description Software TLS1.3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: software-tls13,software, QAT, QAT4, N5-new, N5-old, and software-tls13-offload are mutually exclusive

software-tls13-offload

Description Software TLS1.3 with CPU Offload Support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: software-tls13-offload,software, software-tls13, QAT, QAT4, N5-new, and N5-old are mutually exclusive

sort-res

Description Enable SLB sorting of resource names

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-module-usage-enable

Description Enable SSL module usage calculations for QAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-n5-delay-tx-enable

Description Enable delay transmission for N5-new

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-ratelimit-cfg

Description: ssl-ratelimit-cfg is a **JSON Block**. Please see below for *ssl-ratelimit-cfg*

Type: Object

ssli-cert-not-ready-inspect-limit

Description SSLI asynchronized connection max number, default is 2000 (set to 0 for unlimited size)

Type: number

Range: 0-2147483647

Default: 2000

ssli-cert-not-ready-inspect-timeout

Description SSLI asynchronized connection timeout, default is 10 seconds (seconds, set to 0 for never timeout)

Type: number

Range: 0-2147483647

Default: 10

ssli-silent-termination-enable

Description Terminate the SSLi sessions silently without sending RST/FIN packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-sni-hash-enable

Description Enable SSLi SNI hash table

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateless-sg-multi-binding

Description Enable stateless service groups to be assigned to multiple L2/L3 DSR VIPs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-disable

Description Disable global slb data statistics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Specify the healthcheck timeout value, default is 15 seconds (Timeout Value, in seconds (default 15))

Type: number

Range: 1-360

Default: 15

traffic-map-type

Description 'vport': traffic-map per vport; 'global': global traffic-map;

Type: string

Supported Values: vport, global

Default: vport

ttl-threshold

Description Only cache DNS response with longer TTL

Type: number

Range: 1-10000000

use-default-sess-count

Description Use default session count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-https-proxy

Description NG-WAF connects to Cloud through proxy server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port to connect

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mss-tab

Description Use MSS based on internal table for SLB processing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vport-global

Description Configure periodic showtech vport paging global limit

Type: number

Range: 0-512

vport-l3v

Description Configure periodic showtech vport paging l3v limit

Type: number

Range: 0-128

aflex-table-entry-sync

Specification	Value
Type	*object*

aflex-table-entry-sync-enable

Description Enable aflex table sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aflex-table-entry-sync-max-key-len

Description aflex table entry max key length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-max-value-len

Description aflex table entry max value length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-min-lifetime

Description aflex table entry minimum lifetime to sync

Type: number

Range: 0-65535

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cert-pinning

Specification	Value
Type	*object*

candidate-list-feedback-opt-in

Description: candidate-list-feedback-opt-in is a **JSON Block**. Please see below for *cert-pinning_candidate-list-feedback-opt-in*

Type: Object

Reference Object: */axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in*

ttl

Description The ttl of local cert pinning candidate list, multiple of 10 minutes, default is 144 (1440 minutes)

Type: number

Range: 1-1008

Default: 144

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cert-pinning_candidate-list-feedback-opt-in

Specification	Value
Type	*object*

daily

Description Every day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: daily and weekly are mutually exclusive

day-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

enable

Description Enable the feedback function

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schedule

Description schedule the uploading time, default is daily 00:00

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port to connect

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

week-day

Description 'Monday': Monday; 'Tuesday': Tuesday; 'Wednesday': Wednesday; 'Thursday': Thursday; 'Friday': Friday; 'Saturday': Saturday; 'Sunday': Sunday;

Type: string

Supported Values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

week-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

weekly

Description Every week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: weekly and daily are mutually exclusive

dns-response-rate-limiting

Specification	Value
Type	*object*

max-table-entries

Description Maximum number of entries allowed

Type: number

Range: 1000-4194304

source-entry-age

Description Source entry age in minutes (default 2)

Type: number

Range: 1-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-ratelimit-cfg

Specification	Value
Type	*object*

disable-rate

Description Disable HW SSL Rate limit for N5-new

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-rate, tls12-rate, and tls13-rate are mutually exclusive

tls12-rate

Description Enabling Rateliming for TLS1.2 HW requests per chip in 1K - default 120

Type: number

Range: 1-1000

Default: 120

Mutual Exclusion: tls12-rate and disable-rate are mutually exclusive

tls13-rate

Description Enabling Rateliming for TLS1.3 HW requests per chip in 1K - default 72

Type: number

Range: 1-200

Default: 72

Mutual Exclusion: tls13-rate and disable-rate are mutually exclusive

quic

Specification	Value
Type	*object*

cid-len

Description Length of CID

Type: number

Range: 4-20

Default: 4

cpu-offset

Description Offset for Encoded CPU

Type: number

Range: 0-15

Default: 12

enable-hash

Description Enable CID Hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-signature

Description Enable CID Signature Validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic-lb-offset

Description Offset for QUIC-LB

Type: number

Range: 0-15

Default: 8

signature

Description Set CID Signature

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

signature-len

Description Offset for CID Signature

Type: number

Range: 1-4

Default: 3

signature-offset

Description Offset for CID Signature

Type: number

Range: 0-15

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-dns-cache

Specification	Value
Type	*object*

class-list

Description: class-list is a **JSON Block**. Please see below for *global-dns-cache_class-list*

Type: Object

Reference Object: */axapi/v3/slb/common/global-dns-cache/class-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-dns-cache_class-list

Specification	Value
Type	*object*

lid-list

Type: List

Reference Object: */axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-dns-cache_class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *global-dns-cache_class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description 'ignore': Ignore the limit and proceed; 'drop': Drop the query when it exceeds limit;

Type: string

Supported Values: ignore, drop

Default: drop

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

global-dns-cache_class-list_lid-list_dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-enable

honor-server-response-ttl

Description Honor the server response TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

Default: 300

weight

Description Weight for cache entry

Type: number

Range: 1-7

Default: 1

conn-rate-limit

Specification	Value
Type	*object*

src-ip-list

Type: List

Reference Object: */axapi/v3/slb/common/conn-rate-limit/src-ip/{disable-ipv6-support}+{protocol}*

conn-rate-limit_src-ip-list

Specification	Value
Type	*list*
Block object keys	

disable-ipv6-support

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exceed-action

Description Set action if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Set max connections per period

Type: number

Range: 1-1000000

limit-period

Description '100': 100 ms; '1000': 1000 ms;

Type: string

Supported Values: 100, 1000

lock-out

Description Set lockout period in seconds if threshold exceeded

Type: number

Range: 1-3600

log

Description Send log if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': Set TCP connection rate limit; 'udp': Set UDP packet rate limit;

Type: string

Supported Values: tcp, udp

shared

Description Set threshold shared amongst all virtual ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ddos-protection

Specification	Value
Type	*object*

ipd-enable-toggle

Description 'enable': Enable SLB DDoS protection; 'disable': Disable SLB DDoS protection (default);

Type: string

Supported Values: enable, disable

Default: disable

logging

Description: logging is a **JSON Block**. Please see below for *ddos-protection_logging*

Type: Object

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *ddos-protection_packets-per-second*

Type: Object

ddos-protection_packets-per-second

Specification	Value
Type	*object*

ipd-tcp

Description Configure packets-per-second threshold per TCP port (default: 200)

Type: number

Range: 0-65535

Default: 200

ipd-udp

Description Configure packets-per-second threshold per UDP port (default: 200)

Type: number

Range: 0-65535

Default: 200

ddos-protection_logging

Specification	Value
Type	*object*

ipd-logging-toggle

Description 'enable': Enable SLB DDoS protection logging (default); 'disable': Disable SLB DDoS protection logging;

Type: string

Supported Values: enable, disable

Default: enable

snat-preserve

Specification	Value
Type	*object*

range

Type: List

snat-preserve_range

Specification	Value
Type	*list*
Block object keys	

port1

Description start port

Type: number

Range: 1025-65535

Default: 1025

port2

Description end port which is greater than start

Type: number

Range: 1025-65535

Default: 1025

2.120.9 slb common aflex-table-entry-sync

aflex table entry sync commands

aflex-table-entry-sync Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	aflex-table-entry-sync
Element URI	/axapi/v3/slb/common/aflex-table-entry-sync
Element Attributes	aflex-table-entry-sync_attributes
Partition Visibility	shared
Schema	`aflex-table-entry-sync schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

Get Object

GET

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

Modify Object

POST

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

Replace Object

PUT

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

Delete Object

DELETE

/axapi/v3/slb/common/aflex-table-entry-sync

aflex-table-entry-sync attributes

aflex-table-entry-sync attributes

aflex-table-entry-sync-enable

Description Enable aflex table sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

aflex-table-entry-sync-max-key-len

Description aflex table entry max key length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-max-value-len

Description aflex table entry max value length to sync

Type: number

Range: 0-1000

Default: 1000

aflex-table-entry-sync-min-lifetime

Description aflex table entry minimum lifetime to sync

Type: number

Range: 0-65535

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.10 slb common cert-pinning

Configure the cert-pinning related settings

cert-pinning Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cert-pinning
Element URI	/axapi/v3/slb/common/cert-pinning
Element Attributes	cert-pinning_attributes
Partition Visibility	shared
Schema	`cert-pinning schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/cert-pinning

cert-pinning attributes

```
POST /axapi/v3/slb/common/cert-pinning
Payload:
{
    "cert-pinning": {
        "ttl": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/common/cert-pinning

cert-pinning attributes

```
GET /axapi/v3/slb/common/cert-pinning
Reponse:
{
    "cert-pinning": {
        "ttl": 1,
        "uuid": "d57e64a2-b648-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/common/cert-pinning"
    }
}
```

Modify Object

POST

/axapi/v3/slb/common/cert-pinning

cert-pinning attributes

Replace Object

PUT

/axapi/v3/slb/common/cert-pinning

cert-pinning attributes

```
PUT /axapi/v3/slb/common/cert-pinning
Payload:
{
    "cert-pinning": {
        "ttl": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/common/cert-pinning

cert-pinning attributes

```
DELETE /axapi/v3/slb/common/cert-pinning
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

cert-pinning attributes

candidate-list-feedback-opt-in

Description: candidate-list-feedback-opt-in is a **JSON Block**. Please see below for *candidate-list-feedback-opt-in*

Type: Object

Reference Object: */axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in*

ttl

Description The ttl of local cert pinning candidate list, multiple of 10 minutes, default is 144 (1440 minutes)

Type: number

Range: 1-1008

Default: 144

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

candidate-list-feedback-opt-in

Specification	Value
Type	*object*

daily

Description Every day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: daily and weekly are mutually exclusive

day-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

enable

Description Enable the feedback function

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schedule

Description schedule the uploading time, default is daily 00:00

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port to connect

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

week-day

Description 'Monday': Monday; 'Tuesday': Tuesday; 'Wednesday': Wednesday; 'Thursday': Thursday; 'Friday': Friday; 'Saturday': Saturday; 'Sunday': Sunday;

Type: string

Supported Values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

week-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

weekly

Description Every week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: weekly and daily are mutually exclusive

2.120.11 slb common cert-pinning candidate-list-feedback-opt-in

Opt-in to improve A10's certificate-pinning sites list

candidate-list-feedback-opt-in Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	candidate-list-feedback-opt-in
Element URI	/axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in
Element Attributes	candidate-list-feedback-opt-in_attributes
Partition Visibility	shared
Schema	`candidate-list-feedback-opt-in schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in

candidate-list-feedback-opt-in attributes

Get Object

GET

/axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in

candidate-list-feedback-opt-in attributes

Modify Object

POST

/axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in

candidate-list-feedback-opt-in attributes

Replace Object

PUT

/axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in

candidate-list-feedback-opt-in attributes

Delete Object

DELETE

/axapi/v3/slb/common/cert-pinning/candidate-list-feedback-opt-in

candidate-list-feedback-opt-in attributes

candidate-list-feedback-opt-in attributes

daily

Description Every day

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: daily and weekly are mutually exclusive

day-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

enable

Description Enable the feedback function

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

schedule

Description schedule the uploading time, default is daily 00:00

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-mgmt-port

Description Use management port to connect

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

week-day

Description 'Monday': Monday; 'Tuesday': Tuesday; 'Wednesday': Wednesday; 'Thursday': Thursday; 'Friday': Friday; 'Saturday': Saturday; 'Sunday': Sunday;

Type: string

Supported Values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

week-time

Description Time of day to update (hh:mm) in 24 hour local time

Type: string

Format: time-hhmm

weekly

Description Every week

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: weekly and daily are mutually exclusive

2.120.12 slb common conn-rate-limit

Set rate limiting on virtual ports

conn-rate-limit Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	conn-rate-limit
Element URI	/axapi/v3/slb/common/conn-rate-limit
Element Attributes	conn-rate-limit_attributes
Partition Visibility	shared
Schema	`conn-rate-limit schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/common/conn-rate-limit

conn-rate-limit_attributes

conn-rate-limit attributes

src-ip-list

Type: List

Reference Object: */axapi/v3/slb/common/conn-rate-limit/src-ip/{disable-ipv6-support}+{protocol}*

src-ip-list

Specification	Value
Type	*list*
Block object keys	

disable-ipv6-support

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exceed-action

Description Set action if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Set max connections per period

Type: number

Range: 1-1000000

limit-period

Description '100': 100 ms; '1000': 1000 ms;

Type: string

Supported Values: 100, 1000

lock-out

Description Set lockout period in seconds if threshold exceeded

Type: number

Range: 1-3600

log

Description Send log if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': Set TCP connection rate limit; 'udp': Set UDP packet rate limit;

Type: string

Supported Values: tcp, udp

shared

Description Set threshold shared amongst all virtual ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.13 slb common conn-rate-limit src-ip

Set connection limit based on source IP address

src-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*disable-ipv6-support, protocol*
Collection Name	*src-ip-list*
Collection URI	/axapi/v3/slb/common/conn-rate-limit/src-ip
Element Name	src-ip
Element URI	/axapi/v3/slb/common/conn-rate-limit/src-ip/{disable-ipv6-support}+{protocol}
Element Attributes	src-ip_attributes
Partition Visibility	shared
Schema	`src-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/conn-rate-limit/src-ip

src-ip attributes

Create List

POST

/axapi/v3/slb/common/conn-rate-limit/src-ip

src-ip attributes

Get Object

GET

/axapi/v3/slb/common/conn-rate-limit/src-ip/{disable-ipv6-support}+{protocol}

src-ip attributes

Get List

GET

/axapi/v3/slb/common/conn-rate-limit/src-ip

src-ip-list

Modify Object

POST

/axapi/v3/slb/common/conn-rate-limit/src-ip/{disable-ipv6-support}+{protocol}

src-ip attributes

Replace Object

PUT

/axapi/v3/slb/common/conn-rate-limit/src-ip/{disable-ipv6-support}+{protocol}

src-ip attributes

Replace List

PUT

/axapi/v3/slb/common/conn-rate-limit/src-ip

src-ip-list

Delete Object

DELETE

/axapi/v3/slb/common/conn-rate-limit/src-ip/{disable-ipv6-support}+{protocol}

src-ip attributes

src-ip-list

src-ip-list is **JSON List** of *src-ip attributes*

src-ip-list : [

{ *src-ip attributes* },

{ *src-ip attributes* },

...

]

src-ip attributes

disable-ipv6-support

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exceed-action

Description Set action if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit

Description Set max connections per period

Type: number

Range: 1-1000000

limit-period

Description '100': 100 ms; '1000': 1000 ms;

Type: string

Supported Values: 100, 1000

lock-out

Description Set lockout period in seconds if threshold exceeded

Type: number

Range: 1-3600

log

Description Send log if threshold exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': Set TCP connection rate limit; 'udp': Set UDP packet rate limit;

Type: string

Supported Values: tcp, udp

shared

Description Set threshold shared amongst all virtual ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.14 slb common dns-response-rate-limiting

DNS Response-Rate-Limiting Global Settings

dns-response-rate-limiting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-response-rate-limiting
Element URI	/axapi/v3/slb/common/dns-response-rate-limiting
Element Attributes	dns-response-rate-limiting_attributes
Partition Visibility	shared
Schema	`dns-response-rate-limiting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

Get Object

GET

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

Modify Object

POST

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

Replace Object

PUT

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

Delete Object

DELETE

/axapi/v3/slb/common/dns-response-rate-limiting

dns-response-rate-limiting attributes

dns-response-rate-limiting attributes

max-table-entries

Description Maximum number of entries allowed

Type: number

Range: 1000-4194304

source-entry-age

Description Source entry age in minutes (default 2)

Type: number

Range: 1-60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.15 slb common global-dns-cache

Configure global DNS cache related settings

global-dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	global-dns-cache
Element URI	/axapi/v3/slb/common/global-dns-cache
Element Attributes	global-dns-cache_attributes
Partition Visibility	shared
Schema	`global-dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/global-dns-cache

global-dns-cache attributes

Get Object

GET

/axapi/v3/slb/common/global-dns-cache

global-dns-cache attributes

Modify Object

POST

/axapi/v3/slb/common/global-dns-cache

global-dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/common/global-dns-cache

global-dns-cache attributes

Delete Object

DELETE

/axapi/v3/slb/common/global-dns-cache

global-dns-cache attributes

global-dns-cache attributes

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Reference Object: */axapi/v3/slb/common/global-dns-cache/class-list*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list

Specification	Value
Type	*object*

lid-list

Type: List

Reference Object: */axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description 'ignore': Ignore the limit and proceed; 'drop': Drop the query when it exceeds limit;

Type: string

Supported Values: ignore, drop

Default: drop

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list_dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-enable

honor-server-response-ttl

Description Honor the server response TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

Default: 300

weight

Description Weight for cache entry

Type: number

Range: 1-7

Default: 1

2.120.16 slb common global-dns-cache class-list

Classification list

class-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/slb/common/global-dns-cache/class-list
Element Attributes	class-list_attributes
Partition Visibility	shared
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/global-dns-cache/class-list

class-list attributes

Get Object

GET

/axapi/v3/slb/common/global-dns-cache/class-list

class-list attributes

Modify Object

POST

/axapi/v3/slb/common/global-dns-cache/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/slb/common/global-dns-cache/class-list

class-list attributes

Delete Object

DELETE

/axapi/v3/slb/common/global-dns-cache/class-list

class-list attributes

class-list attributes

lid-list

Type: List

Reference Object: */axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	Value
Type	*list*
Block object keys	

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description 'ignore': Ignore the limit and proceed; 'drop': Drop the query when it exceeds limit;

Type: string

Supported Values: ignore, drop

Default: drop

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-enable

honor-server-response-ttl

Description Honor the server response TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

Default: 300

weight

Description Weight for cache entry

Type: number

Range: 1-7

Default: 1

2.120.17 slb common global-dns-cache class-list lid

Limit ID

lid Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/slb/common/global-dns-cache/class-list/lid
Element Name	lid
Element URI	/axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}
Element Attributes	lid_attributes
Partition Visibility	shared
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/global-dns-cache/class-list/lid

lid attributes

Create List

POST

/axapi/v3/slb/common/global-dns-cache/class-list/lid

lid attributes

Get Object

GET

/axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/slb/common/global-dns-cache/class-list/lid

lid-list

Modify Object

POST

/axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/slb/common/global-dns-cache/class-list/lid

lid-list

Delete Object

DELETE

/axapi/v3/slb/common/global-dns-cache/class-list/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

...

]

lid attributes

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description 'ignore': Ignore the limit and proceed; 'drop': Drop the query when it exceeds limit;

Type: string

Supported Values: ignore, drop

Default: drop

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-enable

honor-server-response-ttl

Description Honor the server response TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

Default: 300

weight

Description Weight for cache entry

Type: number

Range: 1-7

Default: 1

2.120.18 slb common oper

Operational Status for the object common

common Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/slb/common/oper
Element Attributes	common_attributes
Partition Visibility	None
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/oper

common attributes

Get Object

GET

/axapi/v3/slb/common/oper

common attributes

Modify Object

POST

/axapi/v3/slb/common/oper

common attributes

Replace Object

PUT

/axapi/v3/slb/common/oper

common attributes

Delete Object

DELETE

/axapi/v3/slb/common/oper

common attributes

common attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

server-auto-reselect

Description

Type: number

2.120.19 slb common quic

Configure QUIC related settings

quic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	quic
Element URI	/axapi/v3/slb/common/quic
Element Attributes	quic_attributes
Partition Visibility	shared
Schema	`quic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/common/quic

quic attributes

Get Object

GET

/axapi/v3/slb/common/quic

quic attributes

Modify Object

POST

/axapi/v3/slb/common/quic

quic attributes

Replace Object

PUT

/axapi/v3/slb/common/quic

quic attributes

Delete Object

DELETE

/axapi/v3/slb/common/quic

quic attributes

quic attributes

cid-len

Description Length of CID

Type: number

Range: 4-20

Default: 4

cpu-offset

Description Offset for Encoded CPU

Type: number

Range: 0-15

Default: 12

enable-hash

Description Enable CID Hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-signature

Description Enable CID Signature Validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

quic-lb-offset

Description Offset for QUIC-LB

Type: number

Range: 0-15

Default: 8

signature

Description Set CID Signature

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

signature-len

Description Offset for CID Signature

Type: number

Range: 1-4

Default: 3

signature-offset

Description Offset for CID Signature

Type: number

Range: 0-15

Default: 4

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.20 slb connection-reuse

Configure Connection Reuse

connection-reuse Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	connection-reuse
Element URI	/axapi/v3/slb/connection-reuse
Element Attributes	connection-reuse_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/connection-reuse/stats
Operational Data URI	/axapi/v3/slb/connection-reuse/oper
Schema	`connection-reuse schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/connection-reuse

connection-reuse attributes

```
POST /axapi/v3/slb/connection-reuse
Payload:
{
    "connection-reuse": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/slb/connection-reuse

connection-reuse attributes

```
GET /axapi/v3/slb/connection-reuse
Reponse:
{
    "connection-reuse": {
        "uuid": "5172a0c8-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/connection-reuse"
    }
}
```

Modify Object

POST

/axapi/v3/slb/connection-reuse

connection-reuse attributes

Replace Object

PUT

/axapi/v3/slb/connection-reuse

connection-reuse attributes

```
PUT /axapi/v3/slb/connection-reuse
Payload:
{
    "connection-reuse": {
        "sampling-enable": [
            {
                "counters1": "current_open"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/connection-reuse

connection-reuse attributes

```
DELETE /axapi/v3/slb/connection-reuse
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

connection-reuse attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'current_open': Open persist; 'current_active': Active persist; 'nbind': Total bind; 'nunbind': Total unbind; 'nestab': Total established; 'ntermi': Total terminated; 'ntermi_err': Total terminated by err; 'delay_unbind': Delayed unbind; 'long_resp': Long resp; 'miss_resp': Missed resp; 'unbound_data_rcv': Unbound data rcvd; 'pause_conn': Pause request; 'pause_conn_fail': Pause request fail; 'resume_conn': Resume request; 'not_remove_from_rport': Not remove from list;

Type: string

Supported Values: all, current_open, current_active, nbind, nunbind, nestab, ntermi, ntermi_err, delay_unbind, long_resp, miss_resp, unbound_data_rcv, pause_conn, pause_conn_fail, resume_conn, not_remove_from_rport, zero_pconn_value, zero_pconn_bind_value, current_http1_conn_in_the_pool, current_http2_conn_in_the_pool

2.120.21 slb connection-reuse oper

Operational Status for the object connection-reuse

connection-reuse Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	connection-reuse
Element URI	/axapi/v3/slb/connection-reuse/oper
Element Attributes	connection-reuse_attributes
Partition Visibility	None
Schema	`connection-reuse schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/connection-reuse/oper

connection-reuse attributes

Get Object

GET

/axapi/v3/slb/connection-reuse/oper

connection-reuse attributes

Modify Object

POST

/axapi/v3/slb/connection-reuse/oper

connection-reuse attributes

Replace Object

PUT

/axapi/v3/slb/connection-reuse/oper

connection-reuse attributes

Delete Object

DELETE

/axapi/v3/slb/connection-reuse/oper

connection-reuse attributes

connection-reuse attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

connection-reuse-cpu-list

Type: List

cpu-count

Description

Type: number

oper_connection-reuse-cpu-list

Specification	Value
Type	*list*
Block object keys	

current_active

Description

Type: number

current_http1_conn_in_the_pool

Description

Type: number

current_http2_conn_in_the_pool

Description

Type: number

current_open

Description

Type: number

delay_unbind

Description

Type: number

long_resp

Description

Type: number

miss_resp

Description

Type: number

nbind

Description

Type: number

nestab

Description

Type: number

not_remove_from_rport

Description

Type: number

ntermi

Description

Type: number

ntermi_err

Description

Type: number

nunbind

Description

Type: number

pause_conn

Description

Type: number

pause_conn_fail

Description

Type: number

resume_conn

Description

Type: number

unbound_data_rcv

Description

Type: number

zero_pconn_bind_value

Description

Type: number

zero_pconn_value

Description

Type: number

2.120.22 slb connection-reuse stats

Statistics for the object connection-reuse

connection-reuse Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	connection-reuse
Element URI	/axapi/v3/slb/connection-reuse/stats
Element Attributes	connection-reuse_attributes
Partition Visibility	None
Schema	`connection-reuse schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/connection-reuse/stats

connection-reuse attributes

Get Object

GET

/axapi/v3/slb/connection-reuse/stats

connection-reuse attributes

Modify Object

POST

/axapi/v3/slb/connection-reuse/stats

connection-reuse attributes

Replace Object

PUT

/axapi/v3/slb/connection-reuse/stats

connection-reuse attributes

Delete Object

DELETE

/axapi/v3/slb/connection-reuse/stats

connection-reuse attributes

connection-reuse attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

current_active

Description Active persist

Type: number

Format: counter

current_http1_conn_in_the_pool

Description Current http1 conn in the pool

Type: number

Format: counter

current_http2_conn_in_the_pool

Description Current http2 conn in the pool

Type: number

Format: counter

current_open

Description Open persist

Type: number

Format: counter

delay_unbind

Description Delayed unbind

Type: number

Format: counter

long_resp

Description Long resp

Type: number

Format: counter

miss_resp

Description Missed resp

Type: number

Format: counter

nbind

Description Total bind

Type: number

Format: counter

nestab

Description Total established

Type: number

Format: counter

not_remove_from_rport

Description Not remove from list

Type: number

Format: counter

ntermi

Description Total terminated

Type: number

Format: counter

ntermi_err

Description Total terminated by err

Type: number

Format: counter

nunbind

Description Total unbind

Type: number

Format: counter

pause_conn

Description Pause request

Type: number

Format: counter

pause_conn_fail

Description Pause request fail

Type: number

Format: counter

resume_conn

Description Resume request

Type: number

Format: counter

unbound_data_rcv

Description Unbound data rcvd

Type: number

Format: counter

zero_pconn_bind_value

Description Zero current pconn bind counter value

Type: number

Format: counter

zero_pconn_value

Description Zero current pconn counter value

Type: number

Format: counter

2.120.23 slb crl-srcip

Configure connection rate limit

crl-srcip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	crl-srcip
Element URI	/axapi/v3/slb/crl-srcip
Element Attributes	crl-srcip_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/crl-srcip/stats
Operational Data URI	/axapi/v3/slb/crl-srcip/oper
Schema	`crl-srcip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/crl-srcip

crl-srcip attributes

```
POST /axapi/v3/slb/crl-srcip
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "crl-srcip": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/crl-srcip

crl-srcip attributes

```
GET /axapi/v3/slb/crl-srcip
Reponse:
{
    "crl-srcip": {
        "uuid": "5172ce72-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/crl-srcip"
    }
}
```

Modify Object

POST

/axapi/v3/slb/crl-srcip

crl-srcip attributes

Replace Object

PUT

/axapi/v3/slb/crl-srcip

crl-srcip attributes

```
PUT /axapi/v3/slb/crl-srcip
Payload:
{
    "crl-srcip": {
        "sampling-enable": [
            {
                "counters1": "sessions_alloc"
```

(continues on next page)

(continued from previous page)

```
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/crl-srcip

crl-srcip attributes

```
DELETE /axapi/v3/slb/crl-srcip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

crl-srcip attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_alloc': Sessions allocated; 'sessions_freed': Sessions freed; 'out_of_sessions': Out of sessions; 'too_many_sessions': Too many sessions consumed; 'called': Threshold check count; 'permitted': Honor threshold count; 'threshold_exceed': Threshold exceeded count; 'lockout_drop': Lockout drops; 'log_msg_sent': Log messages sent;

Type: string

Supported Values: all, sessions_alloc, sessions_freed, out_of_sessions, too_many_sessions, called, permitted, threshold_exceed, lockout_drop, log_msg_sent

2.120.24 slb crl-srcip oper

Operational Status for the object crl-srcip

crl-srcip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	crl-srcip
Element URI	/axapi/v3/slb/crl-srcip/oper
Element Attributes	crl-srcip_attributes
Partition Visibility	None
Schema	`crl-srcip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/crl-srcip/oper

crl-srcip attributes

Get Object

GET

/axapi/v3/slb/crl-srcip/oper

crl-srcip attributes

Modify Object

POST

/axapi/v3/slb/crl-srcip/oper

crl-srcip attributes

Replace Object

PUT

/axapi/v3/slb/crl-srcip/oper

crl-srcip attributes

Delete Object

DELETE

/axapi/v3/slb/crl-srcip/oper

crl-srcip attributes

crl-srcip attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

crl_srcip_lockedout_ips

Type: List

lockedout_ips_count

Description

Type: number

oper_crl_srcip_lockedout_ips

Specification	Value
Type	*list*
Block object keys	

active

Description

Type: number

client_ip

Description

Type: string

drops

Description

Type: number

end

Description

Type: string

start

Description

Type: string

2.120.25 slb crl-srcip stats

Statistics for the object crl-srcip

crl-srcip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	crl-srcip
Element URI	/axapi/v3/slb/crl-srcip/stats
Element Attributes	crl-srcip_attributes
Partition Visibility	None
Schema	`crl-srcip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/crl-srcip/stats

crl-srcip attributes

Get Object

GET

/axapi/v3/slb/crl-srcip/stats

crl-srcip attributes

Modify Object

POST

/axapi/v3/slb/crl-srcip/stats

crl-srcip attributes

Replace Object

PUT

/axapi/v3/slb/crl-srcip/stats

crl-srcip attributes

Delete Object

DELETE

/axapi/v3/slb/crl-srcip/stats

crl-srcip attributes

crl-srcip attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

called

Description Threshold check count

Type: number

Format: counter

lockout_drop

Description Lockout drops

Type: number

Format: counter

log_msg_sent

Description Log messages sent

Type: number

Format: counter

out_of_sessions

Description Out of sessions

Type: number

Format: counter

permitted

Description Honor threshold count

Type: number

Format: counter

sessions_alloc

Description Sessions allocated

Type: number

Format: counter

sessions_freed

Description Sessions freed

Type: number

Format: counter

threshold_exceed

Description Threshold exceeded count

Type: number

Format: counter

too_many_sessions

Description Too many sessions consumed

Type: number

Format: counter

2.120.26 slb dns

DNS Packet Statistics

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/slb/dns
Element Attributes	dns_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/dns/stats
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns

dns attributes

```
POST /axapi/v3/slb/dns
Payload:
{
    "dns": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/slb/dns

dns attributes

```
GET /axapi/v3/slb/dns
Reponse:
{
    "dns": {
        "uuid": "5172d1d8-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/dns"
    }
}
```

Modify Object

POST

/axapi/v3/slb/dns

dns attributes

Replace Object

PUT

/axapi/v3/slb/dns

dns attributes

```
PUT /axapi/v3/slb/dns
Payload:
{
    "dns": {
        "sampling-enable": [
            {
                "counters1": "slb_req"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/dns

dns attributes

```
DELETE /axapi/v3/slb/dns
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slb_req': No. of requests; 'slb_resp': No. of responses; 'slb_no_resp': No. of requests with no response; 'slb_req_rexmit': No. of requests retransmit; 'slb_resp_no_match': No. of requests and responses with no match; 'slb_no_resource': No. of resource failures; 'nat_req': (NAT) No. of requests; 'nat_resp': (NAT) No. of responses; 'nat_no_resp': (NAT) No. of resource failures; 'nat_req_rexmit': (NAT) No. of request retransmits; 'nat_resp_no_match': (NAT) No. of requests with no response; 'nat_no_resource': (NAT) No. of resource failures; 'nat_xid_reused': (NAT) No. of requests reusing a transaction id; 'filter_type_drop': Total Query Type Drop; 'filter_class_drop': Total Query Class Drop; 'filter_type_any_drop': Total Query ANY Type Drop; 'slb_dns_client_ssl_succ': No. of client ssl success; 'slb_dns_server_ssl_succ': No. of server ssl success; 'slb_dns_udp_conn': No. of backend udp connections; 'slb_dns_udp_conn_succ': No. of backend udp conn established; 'slb_dns_padding_to_server_removed': some help string; 'slb_dns_padding_to_client_added': some help string; 'slb_dns_edns_subnet_to_server_removed': some help string; 'slb_dns_udp_retransmit': some help string; 'slb_dns_udp_retransmit_fail': some help string; 'rpz_action_drop': RPZ Action Drop; 'rpz_action_pass_thru': RPZ Action Pass Through; 'rpz_action_tcp_only': RPZ

Action TCP Only; 'rpz_action_nxdomain': RPZ Action NXDOMAIN; 'rpz_action_nodata': RPZ Action NODATA; 'rpz_action_local_data': RPZ Action Local Data; 'slb_drop': DNS requests drop; 'nat_slb_drop': (NAT)DNS requests drop; 'invalid_q_len_to_udp': invalid query length to conver to UDP; 'slb_dns_edns_ecs_received': Number of ecs from client received; 'slb_dns_edns_ecs_inserted': Number of ecs inserted;

Type: string

Supported Values: all, slb_req, slb_resp, slb_no_resp, slb_req_rexmit, slb_resp_no_match, slb_no_resource, nat_req, nat_resp, nat_no_resp, nat_req_rexmit, nat_resp_no_match, nat_no_resource, nat_xid_reused, filter_type_drop, filter_class_drop, filter_type_any_drop, slb_dns_client_ssl_succ, slb_dns_server_ssl_succ, slb_dns_udp_conn, slb_dns_udp_conn_succ, slb_dns_padding_to_server_removed, slb_dns_padding_to_client_added, slb_dns_edns_subnet_to_server_removed, slb_dns_udp_retransmit, slb_dns_udp_retransmit_fail, rpz_action_drop, rpz_action_pass_thru, rpz_action_tcp_only, rpz_action_nxdomain, rpz_action_nodata, rpz_action_local_data, slb_drop, nat_slb_drop, invalid_q_len_to_udp, slb_dns_edns_ecs_received, slb_dns_edns_ecs_inserted

2.120.27 slb dns64

DNS64 Statistics

dns64 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns64
Element URI	/axapi/v3/slb/dns64
Element Attributes	dns64_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/dns64/stats
Schema	`dns64 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns64

dns64 attributes

```
POST /axapi/v3/slb/dns64
Payload:
{
    "dns64": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/slb/dns64

dns64 attributes

```
GET /axapi/v3/slb/dns64
Reponse:
{
    "dns64": {
        "uuid": "5172bbd0-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/dns64"
    }
}
```

Modify Object

POST

/axapi/v3/slb/dns64

dns64 attributes

Replace Object

PUT

/axapi/v3/slb/dns64

dns64 attributes

```
PUT /axapi/v3/slb/dns64
Payload:
{
    "dns64": {
        "sampling-enable": [
            {
                "counters1": "query"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/dns64

dns64 attributes

```
DELETE /axapi/v3/slb/dns64
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns64 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'query': Query; 'query-bad-pkt': Query Bad Packet; 'query-chg': Query Changed; 'query-parallel': Query Parallel; 'query-passive': Query Passive; 'resp': Response; 'resp-bad-pkt': Response Bad Packet; 'resp-bad-qr': Response Bad Query; 'resp-chg': Response Changed; 'resp-err': Response Error; 'resp-empty': Response Empty; 'resp-local': Response Local; 'adjust': Translated; 'cache': Cache; 'drop': Dropped;

Type: string

Supported Values: all, query, query-bad-pkt, query-chg, query-parallel, query-passive, resp, resp-bad-pkt, resp-bad-qr, resp-chg, resp-err, resp-empty, resp-local, adjust, cache, drop

2.120.28 slb dns64 stats

Statistics for the object dns64

dns64 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns64
Element URI	/axapi/v3/slb/dns64/stats
Element Attributes	dns64_attributes
Partition Visibility	None
Schema	`dns64 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns64/stats

dns64 attributes

Get Object

GET

/axapi/v3/slb/dns64/stats

dns64 attributes

Modify Object

POST

/axapi/v3/slb/dns64/stats

dns64 attributes

Replace Object

PUT

/axapi/v3/slb/dns64/stats

dns64 attributes

Delete Object

DELETE

/axapi/v3/slb/dns64/stats

dns64 attributes

dns64 attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

adjust

Description Translated

Type: number

Format: counter

cache

Description Cache

Type: number

Format: counter

drop

Description Dropped

Type: number

Format: counter

query

Description Query

Type: number

Format: counter

query-bad-pkt

Description Query Bad Packet

Type: number

Format: counter

query-chg

Description Query Changed

Type: number

Format: counter

query-parallel

Description Query Parallel

Type: number

Format: counter

query-passive

Description Query Passive

Type: number

Format: counter

resp

Description Response

Type: number

Format: counter

resp-bad-pkt

Description Response Bad Packet

Type: number

Format: counter

resp-bad-qr

Description Response Bad Query

Type: number

Format: counter

resp-chg

Description Response Changed

Type: number

Format: counter

resp-empty

Description Response Empty

Type: number

Format: counter

resp-err

Description Response Error

Type: number

Format: counter

resp-local

Description Response Local

Type: number

Format: counter

2.120.29 slb dns-cache

DNS Cache Statistics

dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-cache
Element URI	/axapi/v3/slb/dns-cache
Element Attributes	dns-cache_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/dns-cache/stats
Operational Data URI	/axapi/v3/slb/dns-cache/oper
Schema	`dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-cache

dns-cache attributes

```
POST /axapi/v3/slb/dns-cache
Payload:
{
    "dns-cache": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/dns-cache

dns-cache attributes

```
GET /axapi/v3/slb/dns-cache
Reponse:
{
    "dns-cache": {
        "uuid": "5172d39a-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/dns-cache"
    }
}
```

Modify Object

POST

/axapi/v3/slb/dns-cache

dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/dns-cache

dns-cache attributes

```
PUT /axapi/v3/slb/dns-cache
Payload:
{
    "dns-cache": {
        "sampling-enable": [
            {
                "counters1": "total_q"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/dns-cache

dns-cache attributes

```
DELETE /axapi/v3/slb/dns-cache
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns-cache attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_q': Total query; 'total_r': Total server response; 'hit': Total cache hit; 'bad_q': Query not passed; 'encode_q': Query encoded; 'multiple_q': Query with multiple questions; 'oversize_q': Query exceed cache size; 'bad_r': Response not passed; 'oversize_r': Response exceed cache size; 'encode_r': Response encoded; 'multiple_r': Response with multiple questions; 'answer_r': Response with multiple answers; 'ttl_r': Response with short TTL; 'ageout': Total aged out; 'bad_answer': Bad Answer; 'ageout_weight': Total aged for lower weight; 'total_log': Total stats log sent; 'total_alloc': Total allocated; 'total_freed': Total freed; 'current_allocate': Current allocate; 'current_data_allocate': Current data allocate; 'resolver_queue_full': Resolver task queue full; 'truncated_r': Response with Truncation bit set;

Type: string

Supported Values: all, total_q, total_r, hit, bad_q, encode_q, multiple_q, oversize_q, bad_r, oversize_r, encode_r, multiple_r, answer_r, ttl_r, ageout, bad_answer, ageout_weight, total_log, total_alloc, total_freed, current_allocate, current_data_allocate, resolver_queue_full, truncated_r, qps, hit_rate_per_sec

2.120.30 slb dns-cache oper

Operational Status for the object dns-cache

dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-cache
Element URI	/axapi/v3/slb/dns-cache/oper
Element Attributes	dns-cache_attributes
Partition Visibility	None
Schema	`dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-cache/oper

dns-cache attributes

Get Object

GET

/axapi/v3/slb/dns-cache/oper

dns-cache attributes

Modify Object

POST

/axapi/v3/slb/dns-cache/oper

dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/dns-cache/oper

dns-cache attributes

Delete Object

DELETE

/axapi/v3/slb/dns-cache/oper

dns-cache attributes

dns-cache attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cache-client

Type: List

cache-content

Description

Type: boolean

Supported Values: true, false, 1, 0

cache-entry

Type: List

cache_hit_ratio

Description

Type: string

cache_usage

Description

Type: string

class-string

Description

Type: string

Supported Values: IN, CH, HS, NONE, ANY

class-value

Description type value

Type: number

Range: 1-65535

client

Description

Type: boolean

Supported Values: true, false, 1, 0

content-mode

Description

Type: string

Supported Values: brief, detailed

domain-name

Description domain name

Type: string

Format: string-rlx

entry

Description

Type: boolean

Supported Values: true, false, 1, 0

fqdn-domain

Description domain name

Type: string

Format: string-rlx

global

Description

Type: boolean

Supported Values: true, false, 1, 0

hit_ratio_percentage_per_sec

Description

Type: number

port-num

Description

Type: number

port-type

Description

Type: string

rdata-all

Description

Type: boolean

Supported Values: true, false, 1, 0

rdata-size-value

Description

Type: number

Range: 1-8192

record-all

Description

Type: boolean

Supported Values: true, false, 1, 0

record-num-value

Description

Type: number

Range: 1-1024

total

Description

Type: number

type-string

Description

Type: string

Supported Values: A, AAAA, CNAE, MX, NS, SRV

type-value

Description

Type: number

Range: 1-65535

vport

Description

Type: boolean

Supported Values: true, false, 1, 0

vs-name

Description

Type: string

oper_cache-entry

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

an_count

Description

Type: number

ar_count

Description

Type: number

cache_class

Description

Type: number

cache_negative

Description

Type: number

cache_type

Description

Type: number

dnssec

Description

Type: number

domain

Description

Type: string

entry-record

Type: List

hits

Description

Type: number

name

Description

Type: string

ns_count

Description

Type: number

q_length

Description

Type: number

r_length

Description

Type: number

ttl

Description

Type: number

weight

Description

Type: number

oper_cache-entry_entry-record

Specification	Value
Type	*list*
Block object keys	

record_class

Description

Type: number

record_rdata

Description

Type: string

record_rdata_tc

Description

Type: number

record_rdlen

Description

Type: number

record_ttl

Description

Type: number

record_type

Description

Type: number

oper_cache-client

Specification	Value
Type	*list*
Block object keys	

address

Description

Type: string

curr_rate

Description

Type: number

domain

Description

Type: string

lockup

Description

Type: number

lockup_time

Description

Type: number

over_rate_limit_times

Description

Type: number

unit_type

Description

Type: string

2.120.31 slb dns-cache stats

Statistics for the object dns-cache

dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-cache
Element URI	/axapi/v3/slb/dns-cache/stats
Element Attributes	dns-cache_attributes
Partition Visibility	None
Schema	`dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-cache/stats

dns-cache attributes

Get Object

GET

/axapi/v3/slb/dns-cache/stats

dns-cache attributes

Modify Object

POST

/axapi/v3/slb/dns-cache/stats

dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/dns-cache/stats

dns-cache attributes

Delete Object

DELETE

/axapi/v3/slb/dns-cache/stats

dns-cache attributes

dns-cache attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

ageout

Description Total aged out

Type: number

Format: counter

ageout_weight

Description Total aged for lower weight

Type: number

Format: counter

answer_r

Description Response with multiple answers

Type: number

Format: counter

bad_answer

Description Bad Answer

Type: number

Format: counter

bad_q

Description Query not passed

Type: number

Format: counter

bad_r

Description Response not passed

Type: number

Format: counter

current_allocate

Description Current allocate

Type: number

Format: counter

current_data_allocate

Description Current data allocate

Type: number

Format: counter

encode_q

Description Query encoded

Type: number

Format: counter

encode_r

Description Response encoded

Type: number

Format: counter

hit

Description Total cache hit

Type: number

Format: counter

hit_rate_per_sec

Description Cache hit rate per second

Type: number

Format: counter

multiple_q

Description Query with multiple questions

Type: number

Format: counter

multiple_r

Description Response with multiple questions

Type: number

Format: counter

oversize_q

Description Query exceed cache size

Type: number

Format: counter

oversize_r

Description Response exceed cache size

Type: number

Format: counter

qps

Description Cache Queries-per-second

Type: number

Format: counter

resolver_queue_full

Description Resolver task queue full

Type: number

Format: counter

total_alloc

Description Total allocated

Type: number

Format: counter

total_freed

Description Total freed

Type: number

Format: counter

total_log

Description Total stats log sent

Type: number

Format: counter

total_q

Description Total query

Type: number

Format: counter

total_r

Description Total server response

Type: number

Format: counter

truncated_r

Description Response with Truncation bit set

Type: number

Format: counter

ttl_r

Description Response with short TTL

Type: number

Format: counter

2.120.32 slb dns-persistent-cache

DNS Persistent Cache Statistics

dns-persistent-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-persistent-cache
Element URI	/axapi/v3/slb/dns-persistent-cache
Element Attributes	dns-persistent-cache_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/dns-persistent-cache/stats
Operational Data URI	/axapi/v3/slb/dns-persistent-cache/oper
Schema	`dns-persistent-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-persistent-cache

dns-persistent-cache attributes

```
POST /axapi/v3/slb/dns-persistent-cache
Payload:
{
    "dns-persistent-cache": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/dns-persistent-cache

dns-persistent-cache attributes

```
GET /axapi/v3/slb/dns-persistent-cache
Reponse:
{
    "dns-persistent-cache": {
        "uuid": "5172d4f8-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/dns-persistent-cache"
    }
}
```

Modify Object

POST

/axapi/v3/slb/dns-persistent-cache

dns-persistent-cache attributes

Replace Object

PUT

/axapi/v3/slb/dns-persistent-cache

dns-persistent-cache attributes

```
PUT /axapi/v3/slb/dns-persistent-cache
Payload:
{
    "dns-persistent-cache": {
        "sampling-enable": [
            {
                "counters1": "total_entry"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/dns-persistent-cache

dns-persistent-cache attributes

```
DELETE /axapi/v3/slb/dns-persistent-cache
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns-persistent-cache attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_entry': Total persistent cache entry; 'entry_saved': Total saved cache entry; 'entry_deleted': Total deleted cache entry; 'database_busy': Database busy; 'database_error': Database error;

Type: string

Supported Values: all, total_entry, entry_saved, entry_deleted, database_busy, database_error

2.120.33 slb dns-persistent-cache oper

Operational Status for the object dns-persistent-cache

dns-persistent-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-persistent-cache
Element URI	/axapi/v3/slb/dns-persistent-cache/oper
Element Attributes	dns-persistent-cache_attributes
Partition Visibility	None
Schema	`dns-persistent-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-persistent-cache/oper

dns-persistent-cache attributes

Get Object

GET

/axapi/v3/slb/dns-persistent-cache/oper

dns-persistent-cache attributes

Modify Object

POST

/axapi/v3/slb/dns-persistent-cache/oper

dns-persistent-cache attributes

Replace Object

PUT

/axapi/v3/slb/dns-persistent-cache/oper

dns-persistent-cache attributes

Delete Object

DELETE

/axapi/v3/slb/dns-persistent-cache/oper

dns-persistent-cache attributes

dns-persistent-cache attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cache-entry

Type: List

total_cache

Description

Type: number

oper_cache-entry

Specification	Value
Type	*list*
Block object keys	

cache_class

Description

Type: number

cache_type

Description

Type: number

dnssec

Description

Type: number

domain

Description

Type: string

q_length

Description

Type: number

r_length

Description

Type: number

ttl

Description

Type: number

2.120.34 slb dns-persistent-cache stats

Statistics for the object dns-persistent-cache

dns-persistent-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-persistent-cache
Element URI	/axapi/v3/slb/dns-persistent-cache/stats
Element Attributes	dns-persistent-cache_attributes
Partition Visibility	None
Schema	`dns-persistent-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-persistent-cache/stats

dns-persistent-cache attributes

Get Object

GET

/axapi/v3/slb/dns-persistent-cache/stats

dns-persistent-cache attributes

Modify Object

POST

/axapi/v3/slb/dns-persistent-cache/stats

dns-persistent-cache attributes

Replace Object

PUT

/axapi/v3/slb/dns-persistent-cache/stats

dns-persistent-cache attributes

Delete Object

DELETE

/axapi/v3/slb/dns-persistent-cache/stats

dns-persistent-cache attributes

dns-persistent-cache attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

database_busy

Description Database busy

Type: number

Format: counter

database_error

Description Database error

Type: number

Format: counter

entry_deleted

Description Total deleted cache entry

Type: number

Format: counter

entry_saved

Description Total saved cache entry

Type: number

Format: counter

total_entry

Description Total persistent cache entry

Type: number

Format: counter

2.120.35 slb dns-response-rate-limiting

Configure DNS Response-Rate-Limiting

dns-response-rate-limiting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-response-rate-limiting
Element URI	/axapi/v3/slb/dns-response-rate-limiting
Element Attributes	dns-response-rate-limiting_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/dns-response-rate-limiting/stats
Operational Data URI	/axapi/v3/slb/dns-response-rate-limiting/oper
Schema	`dns-response-rate-limiting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

```
POST /axapi/v3/slb/dns-response-rate-limiting
Payload:
{
    "dns-response-rate-limiting": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

```
GET /axapi/v3/slb/dns-response-rate-limiting
Reponse:
{
    "dns-response-rate-limiting": {
        "uuid": "5172f2f8-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/dns-response-rate-limiting"
    }
}
```

Modify Object

POST

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

Replace Object

PUT

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

```
PUT /axapi/v3/slb/dns-response-rate-limiting
Payload:
{
    "dns-response-rate-limiting": {
        "sampling-enable": [
            {
                "counters1": "curr_entries"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/dns-response-rate-limiting

dns-response-rate-limiting attributes

```
DELETE /axapi/v3/slb/dns-response-rate-limiting
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns-response-rate-limiting attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_withdrew': Total Entry Withdrew; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'total_logs': Total Logs; 'total_overflow_entry_hits': Total Overflow Entry Hits; 'total_refill': Total Refills; 'total_credit_exceeded': Total Credit Exceeded; 'other_thread_refill': Other Thread Refilling; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_ext_create_oom': Entry Extension Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_vport_fail_match': Failed to Match Vport;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_withdrew, total_ready_to_free, total_freed, total_logs, total_overflow_entry_hits, total_refill, total_credit_exceeded, other_thread_refill, err_entry_create_failed, err_entry_create_oom, err_entry_ext_create_oom, err_entry_insert_failed, err_vport_fail_match

2.120.36 slb dns-response-rate-limiting oper

Operational Status for the object dns-response-rate-limiting

dns-response-rate-limiting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-response-rate-limiting
Element URI	/axapi/v3/slb/dns-response-rate-limiting/oper
Element Attributes	dns-response-rate-limiting_attributes
Partition Visibility	None
Schema	`dns-response-rate-limiting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-response-rate-limiting/oper

dns-response-rate-limiting attributes

Get Object

GET

/axapi/v3/slb/dns-response-rate-limiting/oper

dns-response-rate-limiting attributes

Modify Object

POST

/axapi/v3/slb/dns-response-rate-limiting/oper

dns-response-rate-limiting attributes

Replace Object

PUT

/axapi/v3/slb/dns-response-rate-limiting/oper

dns-response-rate-limiting attributes

Delete Object

DELETE

/axapi/v3/slb/dns-response-rate-limiting/oper

dns-response-rate-limiting attributes

dns-response-rate-limiting attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

dnsrrl-cpu-list

Type: List

entry-list

Type: List

filter_address_v4

Description

Type: string

Format: ipv4-address

filter_address_v6

Description

Type: string

Format: ipv6-address

filter_debug

Description

Type: number

filter_fqdn

Description

Type: string

filter_type

Description

Type: string

Supported Values: statistics, entry, entry-ipv4, entry-ipv6

oper_dnsrrl-cpu-list

Specification	Value
Type	*list*
Block object keys	

err_entry_create_failed

Description

Type: number

err_entry_create_oom

Description

Type: number

err_entry_ext_create_oom

Description

Type: number

err_entry_insert_failed

Description

Type: number

err_vport_fail_match

Description

Type: number

other_thread_refill

Description

Type: number

total_created

Description

Type: number

total_credit_exceeded

Description

Type: number

total_freed

Description

Type: number

total_inserted

Description

Type: number

total_logs

Description

Type: number

total_overflow_entry_hits

Description

Type: number

total_ready_to_free

Description

Type: number

total_refill

Description

Type: number

total_withdrew

Description

Type: number

oper_entry-list

Specification	Value
Type	*list*
Block object keys	

entry-action

Description

Type: string

Supported Values: R, W, L

entry-address

Description

Type: string

entry-age

Description

Type: number

entry-fqdn

Description

Type: string

entry-hit-count

Description

Type: number

entry-over-limit

Description

Type: number

entry-response-credit

Description

Type: number

2.120.37 slb dns-response-rate-limiting stats

Statistics for the object dns-response-rate-limiting

dns-response-rate-limiting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-response-rate-limiting
Element URI	/axapi/v3/slb/dns-response-rate-limiting/stats
Element Attributes	dns-response-rate-limiting_attributes
Partition Visibility	None
Schema	`dns-response-rate-limiting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns-response-rate-limiting/stats

dns-response-rate-limiting attributes

Get Object

GET

/axapi/v3/slb/dns-response-rate-limiting/stats

dns-response-rate-limiting attributes

Modify Object

POST

/axapi/v3/slb/dns-response-rate-limiting/stats

dns-response-rate-limiting attributes

Replace Object

PUT

/axapi/v3/slb/dns-response-rate-limiting/stats

dns-response-rate-limiting attributes

Delete Object

DELETE

/axapi/v3/slb/dns-response-rate-limiting/stats

dns-response-rate-limiting attributes

dns-response-rate-limiting attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_entries

Description Current Entry Count

Type: number

Format: counter

err_entry_create_failed

Description Entry Creation Failure

Type: number

Format: counter

err_entry_create_oom

Description Entry Creation Out of Memory

Type: number

Format: counter

err_entry_ext_create_oom

Description Entry Extension Creation Out of Memory

Type: number

Format: counter

err_entry_insert_failed

Description Entry Insert Failed

Type: number

Format: counter

err_vport_fail_match

Description Failed to Match Vport

Type: number

Format: counter

other_thread_refill

Description Other Thread Refilling

Type: number

Format: counter

total_created

Description Total Entry Created

Type: number

Format: counter

total_credit_exceeded

Description Total Credit Exceeded

Type: number

Format: counter

total_freed

Description Total Entry Freed

Type: number

Format: counter

total_inserted

Description Total Entry Inserted

Type: number

Format: counter

total_logs

Description Total Logs

Type: number

Format: counter

total_overflow_entry_hits

Description Total Overflow Entry Hits

Type: number

Format: counter

total_ready_to_free

Description Total Entry Ready To Free

Type: number

Format: counter

total_refill

Description Total Refills

Type: number

Format: counter

total_withdrew

Description Total Entry Withdrew

Type: number

Format: counter

2.120.38 slb dns stats

Statistics for the object dns

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/slb/dns/stats
Element Attributes	dns_attributes
Partition Visibility	None
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dns/stats

dns attributes

Get Object

GET

/axapi/v3/slb/dns/stats

dns attributes

Modify Object

POST

/axapi/v3/slb/dns/stats

dns attributes

Replace Object

PUT

/axapi/v3/slb/dns/stats

dns attributes

Delete Object

DELETE

/axapi/v3/slb/dns/stats

dns attributes

dns attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

filter_class_drop

Description Total Query Class Drop

Type: number

Format: counter

filter_type_any_drop

Description Total Query ANY Type Drop

Type: number

Format: counter

filter_type_drop

Description Total Query Type Drop

Type: number

Format: counter

invalid_q_len_to_udp

Description invalid query length to conver to UDP

Type: number

Format: counter

nat_no_resource

Description (NAT) No. of resource failures

Type: number

Format: counter

nat_no_resp

Description (NAT) No. of resource failures

Type: number

Format: counter

nat_req

Description (NAT) No. of requests

Type: number

Format: counter

nat_req_rexmit

Description (NAT) No. of request retransmits

Type: number

Format: counter

nat_resp

Description (NAT) No. of responses

Type: number

Format: counter

nat_resp_no_match

Description (NAT) No. of requests with no response

Type: number

Format: counter

nat_slb_drop

Description (NAT)DNS requests drop

Type: number

Format: counter

nat_xid_reused

Description (NAT) No. of requests reusing a transaction id

Type: number

Format: counter

rpz_action_drop

Description RPZ Action Drop

Type: number

Format: counter

rpz_action_local_data

Description RPZ Action Local Data

Type: number

Format: counter

rpz_action_nodata

Description RPZ Action NODATA

Type: number

Format: counter

rpz_action_nxdomain

Description RPZ Action NXDOMAIN

Type: number

Format: counter

rpz_action_pass_thru

Description RPZ Action Pass Through

Type: number

Format: counter

rpz_action_tcp_only

Description RPZ Action TCP Only

Type: number

Format: counter

slb_dns_client_ssl_succ

Description No. of client ssl success

Type: number

Format: counter

slb_dns_edns_ecs_inserted

Description Number of ecs inserted

Type: number

Format: counter

slb_dns_edns_ecs_received

Description Number of ecs from client received

Type: number

Format: counter

slb_dns_edns_subnet_to_server_removed

Description some help string

Type: number

Format: counter

slb_dns_padding_to_client_added

Description some help string

Type: number

Format: counter

slb_dns_padding_to_server_removed

Description some help string

Type: number

Format: counter

slb_dns_server_ssl_succ

Description No. of server ssl success

Type: number

Format: counter

slb_dns_udp_conn

Description No. of backend udp connections

Type: number

Format: counter

slb_dns_udp_conn_succ

Description No. of backend udp conn established

Type: number

Format: counter

slb_dns_udp_retransmit

Description some help string

Type: number

Format: counter

slb_dns_udp_retransmit_fail

Description some help string

Type: number

Format: counter

slb_drop

Description DNS requests drop

Type: number

Format: counter

slb_no_resource

Description No. of resource failures

Type: number

Format: counter

slb_no_resp

Description No. of requests with no response

Type: number

Format: counter

slb_req

Description No. of requests

Type: number

Format: counter

slb_req_rexmit

Description No. of requests retransmit

Type: number

Format: counter

slb_resp

Description No. of responses

Type: number

Format: counter

slb_resp_no_match

Description No. of requests and responses with no match

Type: number

Format: counter

2.120.39 slb domain-list-info

Display domian-list Information

domain-list-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	domain-list-info
Element URI	/axapi/v3/slb/domain-list-info
Element Attributes	domain-list-info_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/domain-list-info/oper
Schema	`domain-list-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/domain-list-info

domain-list-info attributes

Get Object

GET

/axapi/v3/slb/domain-list-info

domain-list-info attributes

Modify Object

POST

/axapi/v3/slb/domain-list-info

domain-list-info attributes

Replace Object

PUT

/axapi/v3/slb/domain-list-info

domain-list-info attributes

Delete Object

DELETE

/axapi/v3/slb/domain-list-info

domain-list-info attributes

domain-list-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.40 slb domain-list-info oper

Operational Status for the object domain-list-info

domain-list-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	domain-list-info
Element URI	/axapi/v3/slb/domain-list-info/oper
Element Attributes	domain-list-info_attributes
Partition Visibility	None
Schema	`domain-list-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/domain-list-info/oper

domain-list-info attributes

Get Object

GET

/axapi/v3/slb/domain-list-info/oper

domain-list-info attributes

Modify Object

POST

/axapi/v3/slb/domain-list-info/oper

domain-list-info attributes

Replace Object

PUT

/axapi/v3/slb/domain-list-info/oper

domain-list-info attributes

Delete Object

DELETE

/axapi/v3/slb/domain-list-info/oper

domain-list-info attributes

domain-list-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

domain-list

Type: List

oper_domain-list

Specification	Value
Type	*list*
Block object keys	

domain-name

Description

Type: string

hit-count

Description

Type: number

ip

Description

Type: string

ip-number

Description

Type: number

is-ipv6

Description

Type: number

name

Description

Type: string

resolved

Description

Type: number

2.120.41 slb dynamic-service-dns

Dynamic-service DNS Statistics

dynamic-service-dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dynamic-service-dns
Element URI	/axapi/v3/slb/dynamic-service-dns
Element Attributes	dynamic-service-dns_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/dynamic-service-dns/stats
Schema	`dynamic-service-dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dynamic-service-dns

dynamic-service-dns attributes

```
POST /axapi/v3/slb/dynamic-service-dns
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "dynamic-service-dns": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/dynamic-service-dns

dynamic-service-dns attributes

```
GET /axapi/v3/slb/dynamic-service-dns
Reponse:
{
    "dynamic-service-dns": {
        "uuid": "51724e5c-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/dynamic-service-dns"
    }
}
```

Modify Object

POST

/axapi/v3/slb/dynamic-service-dns

dynamic-service-dns attributes

Replace Object

PUT

/axapi/v3/slb/dynamic-service-dns

dynamic-service-dns attributes

```
PUT /axapi/v3/slb/dynamic-service-dns
Payload:
{
    "dynamic-service-dns": {
        "sampling-enable": [
            {
                "counters1": "n_query"
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/dynamic-service-dns

dynamic-service-dns attributes

```
DELETE /axapi/v3/slb/dynamic-service-dns
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dynamic-service-dns attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'n_query': Number of queries; 'n_query_err': Number of query errors; 'n_query_drop': Number of queries dropped due to full queue; 'n_resp': Number of responses; 'n_resp_err': Number of response errors; 'n_resp_f_formerr': Number of response failure with rcode FormErr; 'n_resp_f_servfail': Number of response failure with rcode ServFail; 'n_resp_f_nxdomain': Number of response failure with rcode NXDomain; 'n_resp_f_notimp': Number of response failure with rcode NotImp; 'n_resp_f_refused': Number of response failure with rcode Refused; 'n_resp_f_yxdomain': Number of response failure with rcode YXDomain; 'n_resp_f_yxrrset': Number of response failure with

rcode YXRRSet; 'n_resp_f_nxrrset': Number of response failure with rcode NXRRSet; 'n_resp_f_notauth': Number of response failure with rcode NotAuth; 'n_resp_f_notzone': Number of response failure with rcode NotZone; 'n_resp_f_dsotypeni': Number of response failure with rcode DSOTYPENI; 'n_resp_f_badvers': Number of response failure with rcode BADVERS; 'n_resp_f_badkey': Number of response failure with rcode BADKEY; 'n_resp_f_badtime': Number of response failure with rcode BADTIME; 'n_resp_f_badmode': Number of response failure with rcode BADMODE; 'n_resp_f_badname': Number of response failure with rcode BADNAME; 'n_resp_f_badalg': Number of response failure with rcode BADALG; 'n_resp_f_badtrunc': Number of response failure with rcode BADTRUNC; 'n_resp_f_badcookie': Number of response failure with rcode BADCOOKIE; 'n_resp_f_invalid': Number of response failure with invalid rcode;

Type: string

Supported Values: all, n_query, n_query_err, n_query_drop, n_resp, n_resp_err, n_resp_f_formerr, n_resp_f_servfail, n_resp_f_nxdomain, n_resp_f_notimp, n_resp_f_refused, n_resp_f_yxdomain, n_resp_f_yxrrset, n_resp_f_nxrrset, n_resp_f_notauth, n_resp_f_notzone, n_resp_f_dsotypeni, n_resp_f_badvers, n_resp_f_badkey, n_resp_f_badtime, n_resp_f_badmode, n_resp_f_badname, n_resp_f_badalg, n_resp_f_badtrunc, n_resp_f_badcookie, n_resp_f_invalid

2.120.42 slb dynamic-service-dns stats

Statistics for the object dynamic-service-dns

dynamic-service-dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dynamic-service-dns
Element URI	/axapi/v3/slb/dynamic-service-dns/stats
Element Attributes	dynamic-service-dns_attributes
Partition Visibility	None
Schema	`dynamic-service-dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/dynamic-service-dns/stats

dynamic-service-dns attributes

Get Object

GET

/axapi/v3/slb/dynamic-service-dns/stats

dynamic-service-dns attributes

Modify Object

POST

/axapi/v3/slb/dynamic-service-dns/stats

dynamic-service-dns attributes

Replace Object

PUT

/axapi/v3/slb/dynamic-service-dns/stats

dynamic-service-dns attributes

Delete Object

DELETE

/axapi/v3/slb/dynamic-service-dns/stats

dynamic-service-dns attributes

dynamic-service-dns attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

n_query

Description Number of queries

Type: number

Format: counter

n_query_drop

Description Number of queries dropped due to full queue

Type: number

Format: counter

n_query_err

Description Number of query errors

Type: number

Format: counter

n_resp

Description Number of responses

Type: number

Format: counter

n_resp_err

Description Number of response errors

Type: number

Format: counter

n_resp_f_badalg

Description Number of response failure with rcode BADALG

Type: number

Format: counter

n_resp_f_badcookie

Description Number of response failure with rcode BADCOOKIE

Type: number

Format: counter

n_resp_f_badkey

Description Number of response failure with rcode BADKEY

Type: number

Format: counter

n_resp_f_badmode

Description Number of response failure with rcode BADMODE

Type: number

Format: counter

n_resp_f_badname

Description Number of response failure with rcode BADNAME

Type: number

Format: counter

n_resp_f_badtime

Description Number of response failure with rcode BADTIME

Type: number

Format: counter

n_resp_f_badtrunc

Description Number of response failure with rcode BADTRUNC

Type: number

Format: counter

n_resp_f_badvers

Description Number of response failure with rcode BADVERS

Type: number

Format: counter

n_resp_f_dsotypeni

Description Number of response failure with rcode DSOTYPENI

Type: number

Format: counter

n_resp_f_formerr

Description Number of response failure with rcode FormErr

Type: number

Format: counter

n_resp_f_invalid

Description Number of response failure with invalid rcode

Type: number

Format: counter

n_resp_f_notauth

Description Number of response failure with rcode NotAuth

Type: number

Format: counter

n_resp_f_notimp

Description Number of response failure with rcode NotImp

Type: number

Format: counter

n_resp_f_notzone

Description Number of response failure with rcode NotZone

Type: number

Format: counter

n_resp_f_nxdomain

Description Number of response failure with rcode NXDomain

Type: number

Format: counter

n_resp_f_nxrrset

Description Number of response failure with rcode NXRRSet

Type: number

Format: counter

n_resp_f_refused

Description Number of response failure with rcode Refused

Type: number

Format: counter

n_resp_f_servfail

Description Number of response failure with rcode ServFail

Type: number

Format: counter

n_resp_f_yxdomain

Description Number of response failure with rcode YXDomain

Type: number

Format: counter

n_resp_f_yxrrset

Description Number of response failure with rcode YXRRSet

Type: number

Format: counter

2.120.43 slb ecmp

ecmp debug

ecmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ecmp
Element URI	/axapi/v3/slb/ecmp
Element Attributes	ecmp_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/ecmp/oper
Schema	`ecmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ecmp

ecmp attributes

Get Object

GET

/axapi/v3/slb/ecmp

ecmp attributes

Modify Object

POST

/axapi/v3/slb/ecmp

ecmp attributes

Replace Object

PUT

/axapi/v3/slb/ecmp

ecmp attributes

Delete Object

DELETE

/axapi/v3/slb/ecmp

ecmp attributes

ecmp attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.44 slb ecmp oper

Operational Status for the object ecmp

ecmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ecmp
Element URI	/axapi/v3/slb/ecmp/oper
Element Attributes	ecmp_attributes
Partition Visibility	None
Schema	`ecmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ecmp/oper

ecmp attributes

Get Object

GET

/axapi/v3/slb/ecmp/oper

ecmp attributes

Modify Object

POST

/axapi/v3/slb/ecmp/oper

ecmp attributes

Replace Object

PUT

/axapi/v3/slb/ecmp/oper

ecmp attributes

Delete Object

DELETE

/axapi/v3/slb/ecmp/oper

ecmp attributes

ecmp attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

dest-addr-v4

Description

Type: string

Format: ipv4-address

dest-addr-v6

Description

Type: string

Format: ipv6-address

dst-port

Description

Type: number

ecmp-path

Description

Type: number

filter_type

Description

Type: string

Supported Values: ipv6

source-addr-v4

Description

Type: string

Format: ipv4-address

source-addr-v6

Description

Type: string

Format: ipv6-address

src-port

Description

Type: number

total-path

Description

Type: number

2.120.45 slb fast-http-proxy

Configure Fast-HTTP Proxy

fast-http-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fast-http-proxy
Element URI	/axapi/v3/slb/fast-http-proxy
Element Attributes	fast-http-proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/fast-http-proxy/stats
Operational Data URI	/axapi/v3/slb/fast-http-proxy/oper
Schema	`fast-http-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

```
POST /axapi/v3/slb/fast-http-proxy
Payload:
{
    "fast-http-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

```
GET /axapi/v3/slb/fast-http-proxy
Reponse:
{
    "fast-http-proxy": {
        "uuid": "5172dc96-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/fast-http-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

Replace Object

PUT

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

```
PUT /axapi/v3/slb/fast-http-proxy
Payload:
{
    "fast-http-proxy": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/fast-http-proxy

fast-http-proxy attributes

```
DELETE /axapi/v3/slb/fast-http-proxy
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

fast-http-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'req': HTTP requests; 'req_succ': HTTP requests(succ); 'noproxy': No proxy error; 'client_rst': Client RST; 'server_rst': Server RST; 'notuple': No tuple error; 'parsereq_fail': Parse req fail; 'svrsel_fail': Server selection fail; 'fwdreq_fail': Fwd req fail; 'fwdreq_fail_buff': Fwd req fail - buff; 'fwdreq_fail_rport': Fwd req fail

- rport; ‘fwdreq_fail_route’: Fwd req fail - route; ‘fwdreq_fail_persist’: Fwd req fail - persist; ‘fwdreq_fail_server’: Fwd req fail - server; ‘fwdreq_fail_tuple’: Fwd req fail - tuple; ‘fwdreqdata_fail’: Fwd req data fail; ‘req_retran’: Packets retrans; ‘req_ofo’: Packets ofo; ‘server_resel’: Server reselection; ‘svr_prem_close’: Server premature close; ‘new_svrconn’: Server conn made; ‘snat_fail’: Source NAT failure; ‘tcpoutrst’: Out RSTs; ‘full_proxy’: Full proxy tot; ‘full_proxy_post’: Full proxy POST; ‘full_proxy_pipeline’: Full proxy pipeline; ‘full_proxy_fpga_err’: Full proxy fpga err; ‘req_over_limit’: Request over limit; ‘req_rate_over_limit’: Request rate over limit; ‘l4_switching’: L4 switching; ‘cookie_switching’: Cookie switching; ‘aflex_switching’: aFleX switching; ‘http_policy_switching’: HTTP Policy switching; ‘url_switching’: URL switching; ‘host_switching’: Host switching; ‘lb_switching’: Normal LB switching; ‘l4_switching_ok’: L4 switching (succ); ‘cookie_switching_ok’: Cookie switching (succ); ‘aflex_switching_ok’: aFleX switching (succ); ‘http_policy_switching_ok’: HTTP Policy switching (succ); ‘url_switching_ok’: URL switching (succ); ‘host_switching_ok’: Host switching (succ); ‘lb_switching_ok’: Normal LB switch. (succ); ‘l4_switching_enqueue’: L4 switching (enQ); ‘cookie_switching_enqueue’: Cookie switching (enQ); ‘aflex_switching_enqueue’: aFleX switching (enQ); ‘http_policy_switching_enqueue’: HTTP Policy switching (enQ); ‘url_switching_enqueue’: URL switching (enQ); ‘host_switching_enqueue’: Host switching (enQ); ‘lb_switching_enqueue’: Normal LB switch. (enQ); ‘retry_503’: Retry on 503; ‘aflex_retry’: aFleX http retry; ‘aflex_lb_reselect’: aFleX lb reselect; ‘aflex_lb_reselect_ok’: aFleX lb reselect (succ); ‘client_rst_request’: Client RST - request; ‘client_rst_connecting’: Client RST - connecting; ‘client_rst_connected’: Client RST - connected; ‘client_rst_response’: Client RST - response; ‘server_rst_request’: Server RST - request; ‘server_rst_connecting’: Server RST - connecting; ‘server_rst_connected’: Server RST - connected; ‘server_rst_response’: Server RST - response; ‘invalid_header’: Invalid header; ‘too_many_headers’: Too many headers; ‘line_too_long’: Line too long; ‘header_name_too_long’: Header name too long; ‘wrong_resp_header’: Wrong response header; ‘header_insert’: Header insert; ‘header_delete’: Header delete; ‘insert_client_ip’: Insert client IP; ‘negative_req_remain’: Negative request remain; ‘negative_resp_remain’: Negative response remain; ‘large_cookie’: Large cookies; ‘large_cookie_header’: Large cookie headers; ‘huge_cookie’: Huge cookies; ‘huge_cookie_header’: Huge cookie headers; ‘parse_cookie_fail’: Parse cookie fail; ‘parse_setcookie_fail’: Parse set-cookie fail; ‘asm_cookie_fail’: Assemble cookie fail; ‘asm_cookie_header_fail’: Asm cookie header fail; ‘asm_setcookie_fail’: Assemble set-cookie fail; ‘asm_setcookie_header_fail’: Asm set-cookie hdr fail; ‘client_req_unexp_flag’: Client req unexp flags; ‘connecting_fin’: Connecting FIN; ‘connecting_fin_retrans’: Connecting FIN retran; ‘connecting_fin_ofo’: Connecting FIN ofo; ‘connecting_rst’: Connecting RST; ‘connecting_rst_retrans’: Connecting RST retran; ‘connecting_rst_ofo’: Connecting RST ofo; ‘connecting_ack’: Connecting ACK; ‘pkts_ofo’: Packets ofo; ‘pkts_retrans’: Packets retrans; ‘pkts_retrans_ack_finwait’: retrans ACK FWAIT; ‘pkts_retrans_fin’: retrans FIN; ‘pkts_retrans_rst’: retrans RST; ‘pkts_retrans_push’: retrans PSH; ‘stale_sess’: Stale sess; ‘server_resel_failed’: Server re-select failed; ‘compression_before’: Tot data before compress; ‘compression_after’: Tot data after compress; ‘response_1xx’: Status code 1XX; ‘response_100’: Status code 100; ‘response_101’: Status code 101; ‘response_102’: Status code 102; ‘response_2xx’: Status code 2XX; ‘response_200’: Status code 200; ‘response_201’: Status code 201; ‘response_202’: Status code 202; ‘response_203’: Status code 203; ‘response_204’: Status code 204; ‘response_205’: Status code 205; ‘response_206’: Status code 206; ‘response_207’: Status code 207; ‘response_3xx’: Status code 3XX; ‘response_300’: Status code 300; ‘response_301’: Status code 301; ‘response_302’: Status code 302; ‘response_303’: Status code 303; ‘response_304’: Status code 304; ‘response_305’: Status code 305; ‘response_306’: Status code 306; ‘response_307’: Status code 307; ‘response_4xx’: Status code 4XX; ‘response_400’: Status code 400; ‘response_401’: Status code 401; ‘response_402’: Status code 402; ‘response_403’: Status code 403; ‘response_404’: Status code 404; ‘response_405’: Status code 405; ‘response_406’: Status code 406; ‘response_407’: Status code

407; 'response_408': Status code 408; 'response_409': Status code 409; 'response_410': Status code 410; 'response_411': Status code 411; 'response_412': Status code 412; 'response_413': Status code 413; 'response_414': Status code 414; 'response_415': Status code 415; 'response_416': Status code 416; 'response_417': Status code 417; 'response_418': Status code 418; 'response_422': Status code 422; 'response_423': Status code 423; 'response_424': Status code 424; 'response_425': Status code 425; 'response_426': Status code 426; 'response_449': Status code 449; 'response_450': Status code 450; 'response_5xx': Status code 5XX; 'response_500': Status code 500; 'response_501': Status code 501; 'response_502': Status code 502; 'response_503': Status code 503; 'response_504': Status code 504; 'response_505': Status code 505; 'response_506': Status code 506; 'response_507': Status code 507; 'response_508': Status code 508; 'response_509': Status code 509; 'response_510': Status code 510; 'response_6xx': Status code 6XX; 'response_unknown': Status code unknown; 'req_http10': Request 1.0; 'req_http11': Request 1.1; 'response_http10': Resp 1.0; 'response_http11': Resp 1.1; 'req_get': Method GET; 'req_head': Method HEAD; 'req_put': Method PUT; 'req_post': Method POST; 'req_trace': Method TRACE; 'req_options': Method OPTIONS; 'req_connect': Method CONNECT; 'req_delete': Method DELETE; 'req_unknown': Method UNKNOWN; 'req_content_len': Req content len; 'rsp_content_len': Resp content len; 'rsp_chunk': Resp chunk encoding; 'req_chunk': Req chunk encoding; 'compress_rsp': Compress req; 'compress_del_accept_enc': Compress del accept enc; 'compress_resp_already_compressed': Resp already compressed; 'compress_content_type_excluded': Compress cont type excl; 'compress_no_content_type': Compress no cont type; 'compress_resp_lt_min': Compress resp less than min; 'compress_resp_no_cl_or_ce': Compress resp no CL/CE; 'compress_ratio_too_high': Compress ratio too high; 'cache_rsp': HTTP req (cache succ); 'close_on_ddos': Close on DDoS; 'req_http10_keepalive': 1.0 Keepalive; 'req_sz_1k': Req less than equal to 1K; 'req_sz_2k': Req less than equal to 2K;

Type: string

Supported Values: all, num, curr_proxy, total_proxy, req, req_succ, noproxy, client_rst, server_rst, notuple, parsereq_fail, svrsel_fail, fwdreq_fail, fwdreq_fail_buff, fwdreq_fail_rport, fwdreq_fail_route, fwdreq_fail_persist, fwdreq_fail_server, fwdreq_fail_tuple, fwdreqdata_fail, req_retran, req_ofo, server_resel, svr_prem_close, new_svrconn, snat_fail, tcpoutrst, full_proxy, full_proxy_post, full_proxy_pipeline, full_proxy_fpga_err, req_over_limit, req_rate_over_limit, l4_switching, cookie_switching, aflex_switching, http_policy_switching, url_switching, host_switching, lb_switching, l4_switching_ok, cookie_switching_ok, aflex_switching_ok, http_policy_switching_ok, url_switching_ok, host_switching_ok, lb_switching_ok, l4_switching_enqueue, cookie_switching_enqueue, aflex_switching_enqueue, http_policy_switching_enqueue, url_switching_enqueue, host_switching_enqueue, lb_switching_enqueue, retry_503, aflex_retry, aflex_lb_reselect, aflex_lb_reselect_ok, client_rst_request, client_rst_connecting, client_rst_connected, client_rst_response, server_rst_request, server_rst_connecting, server_rst_connected, server_rst_response, invalid_header, too_many_headers, line_too_long, header_name_too_long, wrong_resp_header, header_insert, header_delete, insert_client_ip, negative_req_remain, negative_resp_remain, large_cookie, large_cookie_header, huge_cookie, huge_cookie_header, parse_cookie_fail, parse_setcookie_fail, asm_cookie_fail, asm_cookie_header_fail, asm_setcookie_fail, asm_setcookie_header_fail, client_req_unexp_flag, connecting_fin, connecting_fin_retrans, connecting_fin_ofo, connecting_rst, connecting_rst_retrans, connecting_rst_ofo, connecting_ack, pkts_ofo, pkts_retrans, pkts_retrans_ack_finwait, pkts_retrans_fin, pkts_retrans_rst, pkts_retrans_push, stale_sess, server_resel_failed, compression_before, compression_after, response_1xx, response_100, response_101, response_102, response_2xx, response_200, response_201, response_202, response_203, response_204, response_205, response_206, response_207, response_3xx, response_300, response_301, response_302, response_303, response_304, response_305, response_306, response_307, response_4xx, response_400, response_401,

response_402, response_403, response_404, response_405, response_406, response_407, response_408, response_409, response_410, response_411, response_412, response_413, response_414, response_415, response_416, response_417, response_418, response_422, response_423, response_424, response_425, response_426, response_449, response_450, response_5xx, response_500, response_501, response_502, response_503, response_504, response_505, response_506, response_507, response_508, response_509, response_510, response_6xx, response_unknown, req_http10, req_http11, response_http10, response_http11, req_get, req_head, req_put, req_post, req_trace, req_options, req_connect, req_delete, req_unknown, req_content_len, rsp_content_len, rsp_chunk, req_chunk, compress_rsp, compress_del_accept_enc, compress_resp_already_compressed, compress_content_type_excluded, compress_no_content_type, compress_resp_lt_min, compress_resp_no_cl_or_ce, compress_ratio_too_high, cache_rsp, close_on_ddos, req_http10_keepalive, req_sz_1k, req_sz_2k

counters2

Description 'req_sz_4k': Req less than equal to 4K; 'req_sz_8k': Req less than equal to 8K; 'req_sz_16k': Req less than equal to 16K; 'req_sz_32k': Req less than equal to 32K; 'req_sz_64k': Req less than equal to 64K; 'req_sz_256k': Req less than equal to 256K; 'req_sz_gt_256k': Req greater than 256K; 'rsp_sz_1k': Resp less than equal to 1K; 'rsp_sz_2k': Resp less than equal to 2K; 'rsp_sz_4k': Resp less than equal to 4K; 'rsp_sz_8k': Resp less than equal to 8K; 'rsp_sz_16k': Resp less than equal to 16K; 'rsp_sz_32k': Resp less than equal to 32K; 'rsp_sz_64k': Resp less than equal to 64K; 'rsp_sz_256k': Resp less than equal to 256K; 'rsp_sz_gt_256k': Resp greater than 256K; 'chunk_sz_512': Chunk less than equal to 512; 'chunk_sz_1k': Chunk less than equal to 1K; 'chunk_sz_2k': Chunk less than equal to 2K; 'chunk_sz_4k': Chunk less than equal to 4K; 'chunk_sz_gt_4k': Chunk greater than 4K; 'pconn_connecting': pconn connecting; 'pconn_connected': pconn connected; 'pconn_connecting_failed': pconn conn failed; 'chunk_bad': Bad Chunk; 'req_10u': Rsp time less than 10u; 'req_20u': Rsp time less than 20u; 'req_50u': Rsp time less than 50u; 'req_100u': Rsp time less than 100u; 'req_200u': Rsp time less than 200u; 'req_500u': Rsp time less than 500u; 'req_1m': Rsp time less than 1m; 'req_2m': Rsp time less than 2m; 'req_5m': Rsp time less than 5m; 'req_10m': Rsp time less than 10m; 'req_20m': Rsp time less than 20m; 'req_50m': Rsp time less than 50m; 'req_100m': Rsp time less than 100m; 'req_200m': Rsp time less than 200m; 'req_500m': Rsp time less than 500m; 'req_1s': Rsp time less than 1s; 'req_2s': Rsp time less than 2s; 'req_5s': Rsp time less than 5s; 'req_over_5s': Rsp time greater than equal to 5s; 'insert_client_port': Insert client Port; 'req_track': Method TRACK; 'full_proxy_put': Full proxy PUT; 'non_http_bypass': Non-HTTP bypass; 'skip_insert_client_ip': Skip Insert Client IP; 'skip_insert_client_port': Skip Insert Client Port; 'decompression_before': Tot data before decompress; 'decompression_after': Tot data after decompress; 'http_pkts_in_seq': Tot In-seq fHTTP packets; 'http_pkts_retx': Tot Re-Tx fHTTP packets; 'http_client_retx': Client Re-Tx fHTTP packets; 'http_server_retx': Server Re-Tx fHTTP packets; 'http_pkts_ofo': fHTTP Out of Order packets;

Type: string

Supported Values: req_sz_4k, req_sz_8k, req_sz_16k, req_sz_32k, req_sz_64k, req_sz_256k, req_sz_gt_256k, rsp_sz_1k, rsp_sz_2k, rsp_sz_4k, rsp_sz_8k, rsp_sz_16k, rsp_sz_32k, rsp_sz_64k, rsp_sz_256k, rsp_sz_gt_256k, chunk_sz_512, chunk_sz_1k, chunk_sz_2k, chunk_sz_4k, chunk_sz_gt_4k, pconn_connecting, pconn_connected, pconn_connecting_failed, chunk_bad, req_10u, req_20u, req_50u, req_100u, req_200u, req_500u, req_1m, req_2m, req_5m, req_10m, req_20m, req_50m, req_100m, req_200m, req_500m, req_1s, req_2s, req_5s, req_over_5s, insert_client_port, req_track, full_proxy_put, non_http_bypass, skip_insert_client_ip, skip_insert_client_port, decompression_before, decompression_after, http_pkts_in_seq, http_pkts_retx, http_client_retx, http_server_retx, http_pkts_ofo

2.120.46 slb fast-http-proxy oper

Operational Status for the object fast-http-proxy

fast-http-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fast-http-proxy
Element URI	/axapi/v3/slb/fast-http-proxy/oper
Element Attributes	fast-http-proxy_attributes
Partition Visibility	None
Schema	`fast-http-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fast-http-proxy/oper

fast-http-proxy attributes

Get Object

GET

/axapi/v3/slb/fast-http-proxy/oper

fast-http-proxy attributes

Modify Object

POST

/axapi/v3/slb/fast-http-proxy/oper

fast-http-proxy attributes

Replace Object

PUT

/axapi/v3/slb/fast-http-proxy/oper

fast-http-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/fast-http-proxy/oper

fast-http-proxy attributes

fast-http-proxy attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

debug_fields

Description

Type: boolean

Supported Values: true, false, 1, 0

fast-http-proxy-cpu-list

Type: List

oper_fast-http-proxy-cpu-list

Specification	Value
Type	*list*
Block object keys	

aflex_lb_reselect

Description

Type: number

aflex_lb_reselect_ok

Description

Type: number

aflex_retry

Description

Type: number

aflex_switching

Description

Type: number

aflex_switching_enqueue

Description

Type: number

aflex_switching_ok

Description

Type: number

asm_cookie_fail

Description

Type: number

asm_cookie_header_fail

Description

Type: number

asm_setcookie_fail

Description

Type: number

asm_setcookie_header_fail

Description

Type: number

cache_rsp

Description

Type: number

chunk_bad

Description

Type: number

chunk_sz_1k

Description

Type: number

chunk_sz_2k

Description

Type: number

chunk_sz_4k

Description

Type: number

chunk_sz_512

Description

Type: number

chunk_sz_gt_4k

Description

Type: number

client_req_unexp_flag

Description

Type: number

client_rst

Description

Type: number

client_rst_connected

Description

Type: number

client_rst_connecting

Description

Type: number

client_rst_request

Description

Type: number

client_rst_response

Description

Type: number

close_on_ddos

Description

Type: number

compress_content_type_excluded

Description

Type: number

compress_del_accept_enc

Description

Type: number

compress_no_content_type

Description

Type: number

compress_ratio_too_high

Description

Type: number

compress_resp_already_compressed

Description

Type: number

compress_resp_lt_min

Description

Type: number

compress_resp_no_cl_or_ce

Description

Type: number

compress_rsp

Description

Type: number

compress_rsp_br

Description

Type: number

compress_rsp_total

Description

Type: number

connecting_ack

Description

Type: number

connecting_fin

Description

Type: number

connecting_fin_ofo

Description

Type: number

connecting_fin_retrans

Description

Type: number

connecting_rst

Description

Type: number

connecting_rst_ofo

Description

Type: number

connecting_rst_retrans

Description

Type: number

cookie_switching

Description

Type: number

cookie_switching_enqueue

Description

Type: number

cookie_switching_ok

Description

Type: number

curr_proxy

Description

Type: number

full_proxy

Description

Type: number

full_proxy_fpga_err

Description

Type: number

full_proxy_pipeline

Description

Type: number

full_proxy_post

Description

Type: number

full_proxy_put

Description

Type: number

fwdreq_fail

Description

Type: number

fwdreq_fail_buff

Description

Type: number

fwdreq_fail_persist

Description

Type: number

fwdreq_fail_route

Description

Type: number

fwdreq_fail_rport

Description

Type: number

fwdreq_fail_server

Description

Type: number

fwdreq_fail_tuple

Description

Type: number

fwdreqdata_fail

Description

Type: number

header_delete

Description

Type: number

header_insert

Description

Type: number

header_name_too_long

Description

Type: number

host_switching

Description

Type: number

host_switching_enqueue

Description

Type: number

host_switching_ok

Description

Type: number

http_pkts_ofo

Description

Type: number

huge_cookie

Description

Type: number

huge_cookie_header

Description

Type: number

insert_client_ip

Description

Type: number

insert_client_port

Description

Type: number

invalid_header

Description

Type: number

l4_switching

Description

Type: number

l4_switching_enqueue

Description

Type: number

l4_switching_ok

Description

Type: number

large_cookie

Description

Type: number

large_cookie_header

Description

Type: number

lb_switching

Description

Type: number

lb_switching_enqueue

Description

Type: number

lb_switching_ok

Description

Type: number

line_too_long

Description

Type: number

negative_req_remain

Description

Type: number

negative_resp_remain

Description

Type: number

new_svrconn

Description

Type: number

non_http_bypass

Description

Type: number

noproxy

Description

Type: number

notuple

Description

Type: number

parse_cookie_fail

Description

Type: number

parse_setcookie_fail

Description

Type: number

parsereq_fail

Description

Type: number

pconn_connected

Description

Type: number

pconn_connecting

Description

Type: number

pconn_connecting_failed

Description

Type: number

pkts_ofo

Description

Type: number

pkts_retrans

Description

Type: number

pkts_retrans_ack_finwait

Description

Type: number

pkts_retrans_fin

Description

Type: number

pkts_retrans_push

Description

Type: number

pkts_retrans_rst

Description

Type: number

req

Description

Type: number

req_100m

Description

Type: number

req_100u

Description

Type: number

req_10m

Description

Type: number

req_10u

Description

Type: number

req_1m

Description

Type: number

req_1s

Description

Type: number

req_200m

Description

Type: number

req_200u

Description

Type: number

req_20m

Description

Type: number

req_20u

Description

Type: number

req_2m

Description

Type: number

req_2s

Description

Type: number

req_500m

Description

Type: number

req_500u

Description

Type: number

req_50m

Description

Type: number

req_50u

Description

Type: number

req_5m

Description

Type: number

req_5s

Description

Type: number

req_chunk

Description

Type: number

req_connect

Description

Type: number

req_content_len

Description

Type: number

req_delete

Description

Type: number

req_get

Description

Type: number

req_head

Description

Type: number

req_http10

Description

Type: number

req_http10_keepalive

Description

Type: number

req_http11

Description

Type: number

req_ofo

Description

Type: number

req_options

Description

Type: number

req_over_5s

Description

Type: number

req_over_limit

Description

Type: number

req_post

Description

Type: number

req_put

Description

Type: number

req_rate_over_limit

Description

Type: number

req_retran

Description

Type: number

req_succ

Description

Type: number

req_sz_16k

Description

Type: number

req_sz_1k

Description

Type: number

req_sz_256k

Description

Type: number

req_sz_2k

Description

Type: number

req_sz_32k

Description

Type: number

req_sz_4k

Description

Type: number

req_sz_64k

Description

Type: number

req_sz_8k

Description

Type: number

req_sz_gt_256k

Description

Type: number

req_trace

Description

Type: number

req_track

Description

Type: number

req_unknown

Description

Type: number

response_100

Description

Type: number

response_101

Description

Type: number

response_102

Description

Type: number

response_1xx

Description

Type: number

response_200

Description

Type: number

response_201

Description

Type: number

response_202

Description

Type: number

response_203

Description

Type: number

response_204

Description

Type: number

response_205

Description

Type: number

response_206

Description

Type: number

response_207

Description

Type: number

response_2xx

Description

Type: number

response_300

Description

Type: number

response_301

Description

Type: number

response_302

Description

Type: number

response_303

Description

Type: number

response_304

Description

Type: number

response_305

Description

Type: number

response_306

Description

Type: number

response_307

Description

Type: number

response_3xx

Description

Type: number

response_400

Description

Type: number

response_401

Description

Type: number

response_402

Description

Type: number

response_403

Description

Type: number

response_404

Description

Type: number

response_405

Description

Type: number

response_406

Description

Type: number

response_407

Description

Type: number

response_408

Description

Type: number

response_409

Description

Type: number

response_410

Description

Type: number

response_411

Description

Type: number

response_412

Description

Type: number

response_413

Description

Type: number

response_414

Description

Type: number

response_415

Description

Type: number

response_416

Description

Type: number

response_417

Description

Type: number

response_418

Description

Type: number

response_422

Description

Type: number

response_423

Description

Type: number

response_424

Description

Type: number

response_425

Description

Type: number

response_426

Description

Type: number

response_449

Description

Type: number

response_450

Description

Type: number

response_4xx

Description

Type: number

response_500

Description

Type: number

response_501

Description

Type: number

response_502

Description

Type: number

response_503

Description

Type: number

response_504

Description

Type: number

response_505

Description

Type: number

response_506

Description

Type: number

response_507

Description

Type: number

response_508

Description

Type: number

response_509

Description

Type: number

response_510

Description

Type: number

response_5xx

Description

Type: number

response_6xx

Description

Type: number

response_http10

Description

Type: number

response_http11

Description

Type: number

response_unknown

Description

Type: number

retry_503

Description

Type: number

rsp_chunk

Description

Type: number

rsp_content_len

Description

Type: number

rsp_sz_16k

Description

Type: number

rsp_sz_1k

Description

Type: number

rsp_sz_256k

Description

Type: number

rsp_sz_2k

Description

Type: number

rsp_sz_32k

Description

Type: number

rsp_sz_4k

Description

Type: number

rsp_sz_64k

Description

Type: number

rsp_sz_8k

Description

Type: number

rsp_sz_gt_256k

Description

Type: number

server_resel

Description

Type: number

server_resel_failed

Description

Type: number

server_rst

Description

Type: number

server_rst_connected

Description

Type: number

server_rst_connecting

Description

Type: number

server_rst_request

Description

Type: number

server_rst_response

Description

Type: number

skip_insert_client_ip

Description

Type: number

skip_insert_client_port

Description

Type: number

snat_fail

Description

Type: number

stale_sess

Description

Type: number

svr_prem_close

Description

Type: number

svrsel_fail

Description

Type: number

tcpoutrst

Description

Type: number

too_many_headers

Description

Type: number

total_proxy

Description

Type: number

url_switching

Description

Type: number

url_switching_enqueue

Description

Type: number

url_switching_ok

Description

Type: number

wrong_resp_header

Description

Type: number

2.120.47 slb fast-http-proxy stats

Statistics for the object fast-http-proxy

fast-http-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fast-http-proxy
Element URI	/axapi/v3/slb/fast-http-proxy/stats
Element Attributes	fast-http-proxy_attributes
Partition Visibility	None
Schema	`fast-http-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fast-http-proxy/stats

fast-http-proxy attributes

Get Object

GET

/axapi/v3/slb/fast-http-proxy/stats

fast-http-proxy attributes

Modify Object

POST

/axapi/v3/slb/fast-http-proxy/stats

fast-http-proxy attributes

Replace Object

PUT

/axapi/v3/slb/fast-http-proxy/stats

fast-http-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/fast-http-proxy/stats

fast-http-proxy attributes

fast-http-proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_rst

Description Client RST

Type: number

Format: counter

close_on_ddos

Description Close on DDoS

Type: number

Format: counter

curr_proxy

Description Curr Proxy Conns

Type: number

Format: counter

full_proxy

Description Full proxy tot

Type: number

Format: counter

full_proxy_fpga_err

Description Full proxy fpga err

Type: number

Format: counter

full_proxy_pipeline

Description Full proxy pipeline

Type: number

Format: counter

full_proxy_post

Description Full proxy POST

Type: number

Format: counter

full_proxy_put

Description Full proxy PUT

Type: number

Format: counter

fwdreq_fail

Description Fwd req fail

Type: number

Format: counter

fwdreqdata_fail

Description Fwd req data fail

Type: number

Format: counter

new_svrconn

Description Server conn made

Type: number

Format: counter

noproxy

Description No proxy error

Type: number

Format: counter

notuple

Description No tuple error

Type: number

Format: counter

parsereq_fail

Description Parse req fail

Type: number

Format: counter

req

Description HTTP requests

Type: number

Format: counter

req_ofo

Description Packets ofo

Type: number

Format: counter

req_over_limit

Description Request over limit

Type: number

Format: counter

req_rate_over_limit

Description Request rate over limit

Type: number

Format: counter

req_retran

Description Packets retrans

Type: number

Format: counter

req_succ

Description HTTP requests(succ)

Type: number

Format: counter

server_resel

Description Server reselection

Type: number

Format: counter

server_rst

Description Server RST

Type: number

Format: counter

snat_fail

Description Source NAT failure

Type: number

Format: counter

svr_prem_close

Description Server premature close

Type: number

Format: counter

svrsel_fail

Description Server selection fail

Type: number

Format: counter

tcpoutrst

Description Out RSTs

Type: number

Format: counter

total_proxy

Description Total Proxy Conns

Type: number

Format: counter

2.120.48 slb fix

Configure FIX Proxy

fix Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fix
Element URI	/axapi/v3/slb/fix
Element Attributes	fix_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/fix/stats
Operational Data URI	/axapi/v3/slb/fix/oper
Schema	`fix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fix

fix attributes

```
POST /axapi/v3/slb/fix
Payload:
{
    "fix": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/fix

fix attributes

```
GET /axapi/v3/slb/fix
Reponse:
{
    "fix": {
        "uuid": "5172a4a6-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/fix"
    }
}
```

Modify Object

POST

/axapi/v3/slb/fix

fix attributes

Replace Object

PUT

/axapi/v3/slb/fix

fix attributes

```
PUT /axapi/v3/slb/fix
Payload:
{
    "fix": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/fix

fix attributes

```
DELETE /axapi/v3/slb/fix
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

fix attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'svrsel_fail': Server selection failure; 'noroute': No route failure; 'snat_fail': Source NAT failure; 'client_err': Client fail; 'server_err': Server fail; 'insert_clientip': Insert client IP; 'default_switching': Default switching; 'sender_switching': Sender ID switching; 'target_switching': Target ID switching; 'client_tls_conn': Client TLS conn; 'server_tls_conn': Server TLS conn;

Type: string

Supported Values: all, curr_proxy, total_proxy, svrsel_fail, noroute, snat_fail, client_err, server_err, insert_clientip, default_switching, sender_switching, target_switching, client_tls_conn, server_tls_conn

2.120.49 slb fix oper

Operational Status for the object fix

fix Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fix
Element URI	/axapi/v3/slb/fix/oper
Element Attributes	fix_attributes
Partition Visibility	None
Schema	`fix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fix/oper

fix attributes

Get Object

GET

/axapi/v3/slb/fix/oper

fix attributes

Modify Object

POST

/axapi/v3/slb/fix/oper

fix attributes

Replace Object

PUT

/axapi/v3/slb/fix/oper

fix attributes

Delete Object

DELETE

/axapi/v3/slb/fix/oper

fix attributes

fix attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

fix-cpu-list

Type: List

oper_fix-cpu-list

Specification	Value
Type	*list*
Block object keys	

client_err

Description

Type: number

client_tls_conn

Description

Type: number

curr_proxy

Description

Type: number

default_switching

Description

Type: number

insert_clientip

Description

Type: number

noroute

Description

Type: number

sender_switching

Description

Type: number

server_err

Description

Type: number

server_tls_conn

Description

Type: number

snat_fail

Description

Type: number

svrsel_fail

Description

Type: number

target_switching

Description

Type: number

total_proxy

Description

Type: number

2.120.50 slb fix stats

Statistics for the object fix

fix Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fix
Element URI	/axapi/v3/slb/fix/stats
Element Attributes	fix_attributes
Partition Visibility	None
Schema	`fix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fix/stats

fix attributes

Get Object

GET

/axapi/v3/slb/fix/stats

fix attributes

Modify Object

POST

/axapi/v3/slb/fix/stats

fix attributes

Replace Object

PUT

/axapi/v3/slb/fix/stats

fix attributes

Delete Object

DELETE

/axapi/v3/slb/fix/stats

fix attributes

fix attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_err

Description Client fail

Type: number

Format: counter

client_tls_conn

Description Client TLS conn

Type: number

Format: counter

curr_proxy

Description Current proxy conns

Type: number

Format: counter

default_switching

Description Default switching

Type: number

Format: counter

insert_clientip

Description Insert client IP

Type: number

Format: counter

noroute

Description No route failure

Type: number

Format: counter

sender_switching

Description Sender ID switching

Type: number

Format: counter

server_err

Description Server fail

Type: number

Format: counter

server_tls_conn

Description Server TLS conn

Type: number

Format: counter

snat_fail

Description Source NAT failure

Type: number

Format: counter

svrsel_fail

Description Server selection failure

Type: number

Format: counter

target_switching

Description Target ID switching

Type: number

Format: counter

total_proxy

Description Total proxy conns

Type: number

Format: counter

2.120.51 slb forward-proxy

forward-proxy objects

forward-proxy Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	forward-proxy
Element URI	/axapi/v3/slb/forward-proxy
Element Attributes	forward-proxy_attributes
Partition Visibility	shared
Schema	`forward-proxy schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/forward-proxy

forward-proxy_attributes

forward-proxy attributes

notify-page-list

Type: List

Reference Object: */axapi/v3/slb/forward-proxy/notify-page/{name}*

time-range-list

Type: List

Reference Object: */axapi/v3/slb/forward-proxy/time-range/{name}*

time-range-list

Specification	Value
Type	*list*
Block object keys	

daily-begin

Description Daily enables after this time (HH:MM, 24-hour notation)

Type: string

Maximum Length: 5 characters

Maximum Length: 4 characters

daily-end

Description Daily enables until thie time (HH:MM, 24-hour notation, inclusive)

Type: string

Maximum Length: 5 characters

Maximum Length: 4 characters

days-of-month-begin

Description Recurring enables after this day per month

Type: number

Range: 1-31

days-of-month-end

Description Recurring enables until this day per month (inclusive)

Type: number

Range: 1-31

months-of-year-begin

Description Recurring enables after this month per year

Type: number

Range: 1-12

months-of-year-end

Description Recurring enables until this month per year (inclusive)

Type: number

Range: 1-12

name

Description Name of this object

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-utc-time

Description Use UTC+0 time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weekday-fr

Description Recurring enables on Friday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-mo

Description Recurring enables on Monday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-sa

Description Recurring enables on Saturday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-su

Description Recurring enables on Sunday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-th

Description Recurring enables on Thursday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-tu

Description Recurring enables on Tuesday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-we

Description Recurring enables on Wednesday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notify-page-list

Specification	Value
Type	*list*
Block object keys	

message

Description Message in notify page

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

name

Description Name of this object

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.52 slb forward-proxy notify-page

reply a notify page for forward-proxy

notify-page Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*notify-page-list*
Collection URI	/axapi/v3/slb/forward-proxy/notify-page
Element Name	notify-page
Element URI	/axapi/v3/slb/forward-proxy/notify-page/{name}
Element Attributes	notify-page_attributes
Partition Visibility	shared
Schema	`notify-page schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/forward-proxy/notify-page

notify-page attributes

Create List

POST

/axapi/v3/slb/forward-proxy/notify-page

notify-page attributes

Get Object

GET

/axapi/v3/slb/forward-proxy/notify-page/{name}

notify-page attributes

Get List

GET

/axapi/v3/slb/forward-proxy/notify-page

notify-page-list

Modify Object

POST

/axapi/v3/slb/forward-proxy/notify-page/{name}

notify-page attributes

Replace Object

PUT

/axapi/v3/slb/forward-proxy/notify-page/{name}

notify-page attributes

Replace List

PUT

/axapi/v3/slb/forward-proxy/notify-page

notify-page-list

Delete Object

DELETE

/axapi/v3/slb/forward-proxy/notify-page/{name}

notify-page attributes

notify-page-list

notify-page-list is **JSON List** of *notify-page attributes*

notify-page-list : [

{ *notify-page attributes* },

{ *notify-page attributes* },

...

]

notify-page attributes

message

Description Message in notify page

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

name

Description Name of this object

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.53 slb forward-proxy time-range

time-range condition for forward-proxy

time-range Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*time-range-list*
Collection URI	/axapi/v3/slb/forward-proxy/time-range
Element Name	time-range
Element URI	/axapi/v3/slb/forward-proxy/time-range/{name}
Element Attributes	time-range_attributes
Partition Visibility	shared
Schema	`time-range schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/forward-proxy/time-range

time-range attributes

Create List

POST

/axapi/v3/slb/forward-proxy/time-range

time-range attributes

Get Object

GET

/axapi/v3/slb/forward-proxy/time-range/{name}

time-range attributes

Get List

GET

/axapi/v3/slb/forward-proxy/time-range

time-range-list

Modify Object

POST

/axapi/v3/slb/forward-proxy/time-range/{name}

time-range attributes

Replace Object

PUT

/axapi/v3/slb/forward-proxy/time-range/{name}

time-range attributes

Replace List

PUT

/axapi/v3/slb/forward-proxy/time-range

time-range-list

Delete Object

DELETE

/axapi/v3/slb/forward-proxy/time-range/{name}

time-range attributes

time-range-list

time-range-list is **JSON List** of *time-range attributes*

```
time-range-list : [
        { time-range attributes },
        { time-range attributes },
        ...
    ]
```

time-range attributes

daily-begin

Description Daily enables after this time (HH:MM, 24-hour notation)

Type: string

Maximum Length: 5 characters

Maximum Length: 4 characters

daily-end

Description Daily enables until thie time (HH:MM, 24-hour notation, inclusive)

Type: string

Maximum Length: 5 characters

Maximum Length: 4 characters

days-of-month-begin

Description Recurring enables after this day per month

Type: number

Range: 1-31

days-of-month-end

Description Recurring enables until this day per month (inclusive)

Type: number

Range: 1-31

months-of-year-begin

Description Recurring enables after this month per year

Type: number

Range: 1-12

months-of-year-end

Description Recurring enables until this month per year (inclusive)

Type: number

Range: 1-12

name

Description Name of this object

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

use-utc-time

Description Use UTC+0 time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weekday-fr

Description Recurring enables on Friday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-mo

Description Recurring enables on Monday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-sa

Description Recurring enables on Saturday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-su

Description Recurring enables on Sunday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-th

Description Recurring enables on Thursday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-tu

Description Recurring enables on Tuesday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

weekday-we

Description Recurring enables on Wednesday

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.120.54 slb ftp-ctl

Configure FTP

ftp-ctl Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ftp-ctl
Element URI	/axapi/v3/slb/ftp-ctl
Element Attributes	ftp-ctl_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/ftp-ctl/stats
Schema	`ftp-ctl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

```
POST /axapi/v3/slb/ftp-ctl
Payload:
{
    "ftp-ctl": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

```
GET /axapi/v3/slb/ftp-ctl
Reponse:
{
    "ftp-ctl": {
        "uuid": "5172d642-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/ftp-ctl"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

Replace Object

PUT

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

```
PUT /axapi/v3/slb/ftp-ctl
Payload:
{
    "ftp-ctl": {
        "sampling-enable": [
            {
                "counters1": "sessions_num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ftp-ctl

ftp-ctl attributes

```
DELETE /axapi/v3/slb/ftp-ctl
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ftp-ctl attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_num': Total Control Sessions; 'alg_pkts_num': Total ALG packets; 'alg_pkts_xmitted_num': ALG packets rexmitted; 'alg_port_helper_created': Total PORT helper sessions; 'alg_pasv_helper_created': Total PASV helper sessions; 'alg_port_helper_freed_unused': PORT helper freed unused; 'alg_pasv_helper_freed_unused': PASV helper freed unused; 'alg_port_helper_nat_free': PORT helper NAT free;

Type: string

Supported Values: all, sessions_num, alg_pkts_num, alg_pkts_xmitted_num, alg_port_helper_created, alg_pasv_helper_created, alg_port_helper_freed_unused, alg_pasv_helper_freed_unused, alg_port_helper_nat_free

2.120.55 slb ftp-ctl stats

Statistics for the object ftp-ctl

ftp-ctl Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ftp-ctl
Element URI	/axapi/v3/slb/ftp-ctl/stats
Element Attributes	ftp-ctl_attributes
Partition Visibility	None
Schema	`ftp-ctl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-ctl/stats

ftp-ctl attributes

Get Object

GET

/axapi/v3/slb/ftp-ctl/stats

ftp-ctl attributes

Modify Object

POST

/axapi/v3/slb/ftp-ctl/stats

ftp-ctl attributes

Replace Object

PUT

/axapi/v3/slb/ftp-ctl/stats

ftp-ctl attributes

Delete Object

DELETE

/axapi/v3/slb/ftp-ctl/stats

ftp-ctl attributes

ftp-ctl attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

alg_pasv_helper_created

Description Total PASV helper sessions

Type: number

Format: counter

alg_pasv_helper_freed_unused

Description PASV helper freed unused

Type: number

Format: counter

alg_pkts_num

Description Total ALG packets

Type: number

Format: counter

alg_pkts_xmitted_num

Description ALG packets rexmitted

Type: number

Format: counter

alg_port_helper_created

Description Total PORT helper sessions

Type: number

Format: counter

alg_port_helper_freed_unused

Description PORT helper freed unused

Type: number

Format: counter

alg_port_helper_nat_free

Description PORT helper NAT free

Type: number

Format: counter

sessions_num

Description Total Control Sessions

Type: number

Format: counter

2.120.56 slb ftp-data

Configure FTP

ftp-data Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ftp-data
Element URI	/axapi/v3/slb/ftp-data
Element Attributes	ftp-data_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/ftp-data/stats
Schema	`ftp-data schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-data

ftp-data attributes

```
POST /axapi/v3/slb/ftp-data
Payload:
{
    "ftp-data": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ftp-data

ftp-data attributes

```
GET /axapi/v3/slb/ftp-data
Reponse:
{
    "ftp-data": {
        "uuid": "51729efc-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/ftp-data"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ftp-data

ftp-data attributes

Replace Object

PUT

/axapi/v3/slb/ftp-data

ftp-data attributes

```
PUT /axapi/v3/slb/ftp-data
Payload:
{
    "ftp-data": {
        "sampling-enable": [
            {
                "counters1": "sessions_num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ftp-data

ftp-data attributes

```
DELETE /axapi/v3/slb/ftp-data
Reponse:
{
    "response": {
```

(continues on next page)

(continued from previous page)

```
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ftp-data attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'sessions_num': Total Data Sessions; 'port_out_of_range': Drop Data Port out of range;

Type: string

Supported Values: all, sessions_num, port_out_of_range

2.120.57 slb ftp-data stats

Statistics for the object ftp-data

ftp-data Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ftp-data
Element URI	/axapi/v3/slb/ftp-data/stats
Element Attributes	ftp-data_attributes
Partition Visibility	None
Schema	`ftp-data schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-data/stats

ftp-data attributes

Get Object

GET

/axapi/v3/slb/ftp-data/stats

ftp-data attributes

Modify Object

POST

/axapi/v3/slb/ftp-data/stats

ftp-data attributes

Replace Object

PUT

/axapi/v3/slb/ftp-data/stats

ftp-data attributes

Delete Object

DELETE

/axapi/v3/slb/ftp-data/stats

ftp-data attributes

ftp-data attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

port_out_of_range

Description Drop Data Port out of range

Type: number

Format: counter

sessions_num

Description Total Data Sessions

Type: number

Format: counter

2.120.58 slb ftp-proxy

Configure FTP Proxy global

ftp-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ftp-proxy
Element URI	/axapi/v3/slb/ftp-proxy
Element Attributes	ftp-proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/ftp-proxy/stats
Operational Data URI	/axapi/v3/slb/ftp-proxy/oper
Schema	`ftp-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

```
POST /axapi/v3/slb/ftp-proxy
Payload:
{
    "ftp-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

```
GET /axapi/v3/slb/ftp-proxy
Reponse:
{
    "ftp-proxy": {
        "uuid": "5172ddd6-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/ftp-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

Replace Object

PUT

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

```
PUT /axapi/v3/slb/ftp-proxy
Payload:
{
    "ftp-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ftp-proxy

ftp-proxy attributes

```
DELETE /axapi/v3/slb/ftp-proxy
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

ftp-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'feat': feat packet; 'cc': clear ctrl port packet; 'data_ssl': data ssl force; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'auth_tls': auth tls cmd; 'prot': prot cmd; 'pbsz': pbsz cmd; 'pasv': pasv cmd; 'port': port cmd; 'request_dont_care': other cmd; 'client_auth_tls': client auth tls; 'cant_find_pasv': cant find pasv; 'pasv_addr_ne_server': psv addr not equal to svr; 'smp_create_fail': smp create fail; 'data_server_conn_fail': data svr conn fail; 'data_send_fail': data send fail; 'epsv': epsv command; 'cant_find_epsv': cant find epsv; 'data_curr': Current Data Proxy; 'data_total': Total Data Proxy; 'auth_unsupported': Unsupported auth; 'adat': adat cmd; 'unsupported_pbsz_value': Unsupported PBSZ; 'unsupported_prot_value': Unsupported PROT; 'unsupported_command': Unsupported cmd; 'control_to_clear': Control chn clear txt; 'control_to_ssl': Control chn ssl; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'data_conn_start_err': Data Start state error; 'data_serv_connecting_err': Data Serv CTNG error; 'data_serv_connected_err': Data Serv CTED error; 'request': Total FTP Request; 'auth_req': Auth Request; 'auth_succ': Auth Success; 'auth_fail': Auth Failure; 'fwd_to_internet': Forward to Internet; 'fwd_to_sg': Total Forward to Service-group; 'drop': Total FTP Drop; 'ds_succ': Host Domain Name is resolved; 'ds_fail': Host Domain Name isn't resolved; 'open': open cmd; 'site': site cmd; 'user': user cmd; 'pass': pass cmd; 'quit': quit cmd; 'eprt': eprt cmd; 'cant_find_port': cant find port; 'cant_find_eprt': cant find eprt;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, feat, cc, data_ssl, line_too_long, line_mem_freed, invalid_start_line, auth_tls, prot, pbsz, pasv, port, request_dont_care, client_auth_tls, cant_find_pasv, pasv_addr_ne_server, smp_create_fail, data_server_conn_fail, data_send_fail, epsv, cant_find_epsv, data_curr, data_total, auth_unsupported, adat, unsupported_pbsz_value, unsupported_prot_value, unsupported_command, control_to_clear, control_to_ssl, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, data_conn_start_err, data_serv_connecting_err, data_serv_connected_err, request, auth_req, auth_succ, auth_fail, fwd_to_internet, fwd_to_sg, drop, ds_succ, ds_fail, open, site, user, pass, quit, eprt, cant_find_port, cant_find_eprt

2.120.59 slb ftp-proxy oper

Operational Status for the object ftp-proxy

ftp-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ftp-proxy
Element URI	/axapi/v3/slb/ftp-proxy/oper
Element Attributes	ftp-proxy_attributes
Partition Visibility	None
Schema	`ftp-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-proxy/oper

ftp-proxy attributes

Get Object

GET

/axapi/v3/slb/ftp-proxy/oper

ftp-proxy attributes

Modify Object

POST

/axapi/v3/slb/ftp-proxy/oper

ftp-proxy attributes

Replace Object

PUT

/axapi/v3/slb/ftp-proxy/oper

ftp-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/ftp-proxy/oper

ftp-proxy attributes

ftp-proxy attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

ftp-proxy-cpu-list

Type: List

oper_ftp-proxy-cpu-list

Specification	Value
Type	*list*
Block object keys	

adat

Description

Type: number

auth_fail

Description

Type: number

auth_req

Description

Type: number

auth_succ

Description

Type: number

auth_tls

Description

Type: number

auth_unsupported

Description

Type: number

bad_sequence

Description

Type: number

cant_find_eprt

Description

Type: number

cant_find_epsv

Description

Type: number

cant_find_pasv

Description

Type: number

cant_find_port

Description

Type: number

cc

Description

Type: number

cl_est_err

Description

Type: number

cl_request_err

Description

Type: number

client_auth_tls

Description

Type: number

control_to_clear

Description

Type: number

control_to_ssl

Description

Type: number

curr

Description

Type: number

data_conn_start_err

Description

Type: number

data_curr

Description

Type: number

data_send_fail

Description

Type: number

data_serv_connected_err

Description

Type: number

data_serv_connecting_err

Description

Type: number

data_server_conn_fail

Description

Type: number

data_ssl

Description

Type: number

data_total

Description

Type: number

drop

Description

Type: number

ds_fail

Description

Type: number

ds_succ

Description

Type: number

eprt

Description

Type: number

epsv

Description

Type: number

feat

Description

Type: number

fwd_to_internet

Description

Type: number

fwd_to_sg

Description

Type: number

insert_tuple_fail

Description

Type: number

invalid_start_line

Description

Type: number

line_mem_freed

Description

Type: number

line_too_long

Description

Type: number

no_route

Description

Type: number

open

Description

Type: number

pass

Description

Type: number

pasv

Description

Type: number

pasv_addr_ne_server

Description

Type: number

pbsz

Description

Type: number

port

Description

Type: number

prot

Description

Type: number

quit

Description

Type: number

request

Description

Type: number

request_dont_care

Description

Type: number

rsv_persist_conn_fail

Description

Type: number

ser_connecting_err

Description

Type: number

server_response_err

Description

Type: number

site

Description

Type: number

smp_create_fail

Description

Type: number

smp_v4_fail

Description

Type: number

smp_v6_fail

Description

Type: number

snat_fail

Description

Type: number

svrsel_fail

Description

Type: number

total

Description

Type: number

unsupported_command

Description

Type: number

unsupported_pbsz_value

Description

Type: number

unsupported_prot_value

Description

Type: number

user

Description

Type: number

2.120.60 slb ftp-proxy stats

Statistics for the object ftp-proxy

ftp-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ftp-proxy
Element URI	/axapi/v3/slb/ftp-proxy/stats
Element Attributes	ftp-proxy_attributes
Partition Visibility	None
Schema	`ftp-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ftp-proxy/stats

ftp-proxy attributes

Get Object

GET

/axapi/v3/slb/ftp-proxy/stats

ftp-proxy attributes

Modify Object

POST

/axapi/v3/slb/ftp-proxy/stats

ftp-proxy attributes

Replace Object

PUT

/axapi/v3/slb/ftp-proxy/stats

ftp-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/ftp-proxy/stats

ftp-proxy attributes

ftp-proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

adat

Description adat cmd

Type: number

Format: counter

auth_fail

Description Auth Failure

Type: number

Format: counter

auth_req

Description Auth Request

Type: number

Format: counter

auth_succ

Description Auth Success

Type: number

Format: counter

auth_tls

Description auth tls cmd

Type: number

Format: counter

auth_unsupported

Description Unsupported auth

Type: number

Format: counter

bad_sequence

Description Bad Sequence

Type: number

Format: counter

cant_find_eprt

Description cant find eprt

Type: number

Format: counter

cant_find_epsv

Description cant find epsv

Type: number

Format: counter

cant_find_pasv

Description cant find pasv

Type: number

Format: counter

cant_find_port

Description cant find port

Type: number

Format: counter

cc

Description clear ctrl port packet

Type: number

Format: counter

cl_est_err

Description Client EST state erro

Type: number

Format: counter

cl_request_err

Description Client RQ state error

Type: number

Format: counter

client_auth_tls

Description client auth tls

Type: number

Format: counter

control_to_clear

Description Control chn clear txt

Type: number

Format: counter

control_to_ssl

Description Control chn ssl

Type: number

Format: counter

curr

Description Current proxy conns

Type: number

Format: counter

data_conn_start_err

Description Data Start state error

Type: number

Format: counter

data_curr

Description Current Data Proxy

Type: number

Format: counter

data_send_fail

Description data send fail

Type: number

Format: counter

data_serv_connected_err

Description Data Serv CTED error

Type: number

Format: counter

data_serv_connecting_err

Description Data Serv CTNG error

Type: number

Format: counter

data_server_conn_fail

Description data svr conn fail

Type: number

Format: counter

data_ssl

Description data ssl force

Type: number

Format: counter

data_total

Description Total Data Proxy

Type: number

Format: counter

drop

Description Total FTP Drop

Type: number

Format: counter

ds_fail

Description Host Domain Name isn't resolved

Type: number

Format: counter

ds_succ

Description Host Domain Name is resolved

Type: number

Format: counter

eprt

Description eprt cmd

Type: number

Format: counter

epsv

Description epsv command

Type: number

Format: counter

feat

Description feat packet

Type: number

Format: counter

fwd_to_internet

Description Forward to Internet

Type: number

Format: counter

fwd_to_sg

Description Total Forward to Service-group

Type: number

Format: counter

insert_tuple_fail

Description Serv Sel insert tuple fail

Type: number

Format: counter

invalid_start_line

Description invalid start line

Type: number

Format: counter

line_mem_freed

Description request line freed

Type: number

Format: counter

line_too_long

Description line too long

Type: number

Format: counter

no_route

Description no route failure

Type: number

Format: counter

open

Description open cmd

Type: number

Format: counter

pass

Description pass cmd

Type: number

Format: counter

pasv

Description pasv cmd

Type: number

Format: counter

pasv_addr_ne_server

Description psv addr not equal to svr

Type: number

Format: counter

pbsz

Description pbsz cmd

Type: number

Format: counter

port

Description port cmd

Type: number

Format: counter

prot

Description prot cmd

Type: number

Format: counter

quit

Description quit cmd

Type: number

Format: counter

request

Description Total FTP Request

Type: number

Format: counter

request_dont_care

Description other cmd

Type: number

Format: counter

rsv_persist_conn_fail

Description Serv Sel Persist fail

Type: number

Format: counter

ser_connecting_err

Description Serv CTNG state error

Type: number

Format: counter

server_response_err

Description Serv RESP state error

Type: number

Format: counter

site

Description site cmd

Type: number

Format: counter

smp_create_fail

Description smp create fail

Type: number

Format: counter

smp_v4_fail

Description Serv Sel SMPv4 fail

Type: number

Format: counter

smp_v6_fail

Description Serv Sel SMPv6 fail

Type: number

Format: counter

snat_fail

Description source nat failure

Type: number

Format: counter

svrsel_fail

Description Server selection failure

Type: number

Format: counter

total

Description Total proxy conns

Type: number

Format: counter

unsupported_command

Description Unsupported cmd

Type: number

Format: counter

unsupported_pbsz_value

Description Unsupported PBSZ

Type: number

Format: counter

unsupported_prot_value

Description Unsupported PROT

Type: number

Format: counter

user

Description user cmd

Type: number

Format: counter

2.120.61 slb fwd-policy-snat-pt-only

forward-policy source port translation only stats

fwd-policy-snat-pt-only Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fwd-policy-snat-pt-only
Element URI	/axapi/v3/slb/fwd-policy-snat-pt-only
Element Attributes	fwd-policy-snat-pt-only_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/fwd-policy-snat-pt-only/oper
Schema	`fwd-policy-snat-pt-only schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fwd-policy-snat-pt-only

fwd-policy-snat-pt-only attributes

Get Object

GET

/axapi/v3/slb/fwd-policy-snat-pt-only

fwd-policy-snat-pt-only attributes

Modify Object

POST

/axapi/v3/slb/fwd-policy-snat-pt-only

fwd-policy-snat-pt-only attributes

Replace Object

PUT

/axapi/v3/slb/fwd-policy-snat-pt-only

fwd-policy-snat-pt-only attributes

Delete Object

DELETE

/axapi/v3/slb/fwd-policy-snat-pt-only

fwd-policy-snat-pt-only attributes

fwd-policy-snat-pt-only attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.62 slb fwd-policy-snat-pt-only oper

Operational Status for the object fwd-policy-snat-pt-only

fwd-policy-snat-pt-only Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fwd-policy-snat-pt-only
Element URI	/axapi/v3/slb/fwd-policy-snat-pt-only/oper
Element Attributes	fwd-policy-snat-pt-only_attributes
Partition Visibility	None
Schema	`fwd-policy-snat-pt-only schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/fwd-policy-snat-pt-only/oper

fwd-policy-snat-pt-only attributes

Get Object

GET

/axapi/v3/slb/fwd-policy-snat-pt-only/oper

fwd-policy-snat-pt-only attributes

Modify Object

POST

/axapi/v3/slb/fwd-policy-snat-pt-only/oper

fwd-policy-snat-pt-only attributes

Replace Object

PUT

/axapi/v3/slb/fwd-policy-snat-pt-only/oper

fwd-policy-snat-pt-only attributes

Delete Object

DELETE

/axapi/v3/slb/fwd-policy-snat-pt-only/oper

fwd-policy-snat-pt-only attributes

fwd-policy-snat-pt-only attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

detail-info

Description

Type: boolean

Supported Values: true, false, 1, 0

group-list

Type: List

oper_group-list

Specification	Value
Type	*list*
Block object keys	

failed

Description

Type: number

group

Description

Type: string

port-usage

Description

Type: number

total-freed

Description

Type: number

total-used

Description

Type: number

2.120.63 slb gaming-protocol-compliance-port

Gaming Protocol Compliance Port

gaming-protocol-compliance-port Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port*
Collection Name	*gaming-protocol-compliance-port-list*
Collection URI	/axapi/v3/slb/gaming-protocol-compliance-port
Element Name	gaming-protocol-compliance-port
Element URI	/axapi/v3/slb/gaming-protocol-compliance-port/{port}
Element Attributes	gaming-protocol-compliance-port_attributes
Partition Visibility	shared
Schema	`gaming-protocol-compliance-port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/gaming-protocol-compliance-port

gaming-protocol-compliance-port attributes

```
POST /axapi/v3/slb/gaming-protocol-compliance-port/
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "gaming-protocol-compliance-port": {
        "udp": 1,
        "port": 1,
        "range": 0
    }
}
```

Create List

POST

/axapi/v3/slb/gaming-protocol-compliance-port

gaming-protocol-compliance-port attributes

Get Object

GET

/axapi/v3/slb/gaming-protocol-compliance-port/{port}

gaming-protocol-compliance-port attributes

Get List

GET

/axapi/v3/slb/gaming-protocol-compliance-port

gaming-protocol-compliance-port-list

Modify Object

POST

/axapi/v3/slb/gaming-protocol-compliance-port/{port}

gaming-protocol-compliance-port attributes

Replace Object

PUT

/axapi/v3/slb/gaming-protocol-compliance-port/{port}

gaming-protocol-compliance-port attributes

Replace List

PUT

/axapi/v3/slb/gaming-protocol-compliance-port

gaming-protocol-compliance-port-list

Delete Object

DELETE

/axapi/v3/slb/gaming-protocol-compliance-port/{port}

gaming-protocol-compliance-port attributes

gaming-protocol-compliance-port-list

gaming-protocol-compliance-port-list is **JSON List** of *gaming-protocol-compliance-port attributes*

gaming-protocol-compliance-port-list : [

{ *gaming-protocol-compliance-port attributes* },

{ *gaming-protocol-compliance-port attributes* },

...

]

gaming-protocol-compliance-port attributes

port

Description Port

Type: number

Range: 1-65534

range

Description Port range

Type: number

Range: 0-512

Default: 0

udp

Description UDP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.64 slb gaming-protocol-compliance-salt

Gaming Protocol Compliance Salt

gaming-protocol-compliance-salt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	gaming-protocol-compliance-salt
Element URI	/axapi/v3/slb/gaming-protocol-compliance-salt
Element Attributes	gaming-protocol-compliance-salt_attributes
Partition Visibility	shared
Schema	`gaming-protocol-compliance-salt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/gaming-protocol-compliance-salt

gaming-protocol-compliance-salt attributes

```
POST /axapi/v3/slb/gaming-protocol-compliance-salt
Payload:
{
    "gaming-protocol-compliance-salt": {
        "current-salt": 0,
        "previous-salt": 0
    }
}
```

Get Object

GET

/axapi/v3/slb/gaming-protocol-compliance-salt

gaming-protocol-compliance-salt attributes

Modify Object

POST

/axapi/v3/slb/gaming-protocol-compliance-salt

gaming-protocol-compliance-salt attributes

Replace Object

PUT

/axapi/v3/slb/gaming-protocol-compliance-salt

gaming-protocol-compliance-salt attributes

Delete Object

DELETE

/axapi/v3/slb/gaming-protocol-compliance-salt

gaming-protocol-compliance-salt attributes

gaming-protocol-compliance-salt attributes

current-salt

Description Current salt value

Type: number

Range: 0-4294967295

previous-salt

Description Previous salt value

Type: number

Range: 0-4294967295

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.65 slb generic-proxy

Configure Generic Proxy

generic-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	generic-proxy
Element URI	/axapi/v3/slb/generic-proxy
Element Attributes	generic-proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/generic-proxy/stats
Operational Data URI	/axapi/v3/slb/generic-proxy/oper
Schema	`generic-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/generic-proxy

generic-proxy attributes

```
POST /axapi/v3/slb/generic-proxy
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "generic-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/generic-proxy

generic-proxy attributes

```
GET /axapi/v3/slb/generic-proxy
Reponse:
{
    "generic-proxy": {
        "uuid": "5172cfee-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/generic-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/generic-proxy

generic-proxy attributes

Replace Object

PUT

/axapi/v3/slb/generic-proxy

generic-proxy attributes

```
PUT /axapi/v3/slb/generic-proxy
Payload:
{
    "generic-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/generic-proxy

generic-proxy attributes

```
DELETE /axapi/v3/slb/generic-proxy
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

generic-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Number; 'curr': Current; 'total': Total; 'svrsel_fail': Number of server selection failed; 'no_route': Number of no routes; 'snat_fail': Number of snat failures; 'client_fail': Number of client failures; 'server_fail': Number of server failures; 'no_sess': Number of no sessions; 'user_session': Number of user sessions; 'acr_out': Number of ACRs out; 'acr_in': Number of ACRs in; 'aca_out': Number of ACAs out; 'aca_in': Number of ACAs in; 'cea_out': Number of CEAs out; 'cea_in': Number of CEAs in; 'cer_out': Number of CERs out; 'cer_in': Number of CERs in; 'dwr_out': Number of DWRs out; 'dwr_in': Number of DWRs in; 'dwa_out': Number of DWAs out; 'dwa_in': Number of DWAs in; 'str_out':

Number of STRs out; 'str_in': Number of STRs in; 'sta_out': Number of STAs out; 'sta_in': Number of STAs in; 'asr_out': Number of ASRs out; 'asr_in': Number of ASRs in; 'asa_out': Number of ASAs out; 'asa_in': Number of ASAs in; 'other_out': Number of other messages out; 'other_in': Number of other messages in; 'total_http_req_enter_gen': Total number of HTTP requests enter generic proxy; 'mismatch_fwd_id': Diameter mismatch fwd session id; 'mismatch_rev_id': Diameter mismatch rev session id; 'unkwn_cmd_code': Diameter unkown cmd code; 'no_session_id': Diameter no session id avp; 'no_fwd_tuple': Diameter no fwd tuple matched; 'no_rev_tuple': Diameter no rev tuple matched; 'dcmsg_fwd_in': Diameter cross cpu fwd in; 'dcmsg_fwd_out': Diameter cross cpu fwd out; 'dcmsg_rev_in': Diameter cross cpu rev in; 'dcmsg_rev_out': Diameter cross cpu rev out; 'dcmsg_error': Diameter cross cpu error; 'retry_client_request': Diameter retry client request; 'retry_client_request_fail': Diameter retry client request fail; 'reply_unknown_session_id': Reply with unknown session ID error info; 'ccr_out': Number of CCRs out; 'ccr_in': Number of CCRs in; 'cca_out': Number of CCAs out; 'cca_in': Number of CCAs in; 'ccr_i': Number of CCRs initial; 'ccr_u': Number of CCRs update; 'ccr_t': Number of CCRs terminate; 'cca_t': Number of CCAs terminate; 'terminate_on_cca_t': Diameter terminate on cca_t; 'forward_unknown_session_id': Forward server side message with unknown session id; 'update_latest_server': Update to the latest server that used a session id; 'client_select_fail': Fail to select client; 'close_conn_when_vport_down': Close client conn when virtual port is down; 'invalid_avp': AVP value contains illegal chars; 'reselect_fwd_tuple': Original client tuple does not exist so reselect another one; 'reselect_fwd_tuple_other_cpu': Original client tuple does not exist so reselect another one on other CPUs; 'reselect_rev_tuple': Original server tuple does not exist so reselect another one; 'conn_closed_by_client': Client initiates TCP close/reset; 'conn_closed_by_server': Server initiates TCP close/reset; 'reply_invalid_avp_value': Reply with invalid AVP error info; 'reply_unable_to_deliver': Reply with unable to deliver error info; 'reply_error_info_fail': Fail to reply error info to peer; 'dpr_out': Number of DPRs out; 'dpr_in': Number of DPRs in; 'dpa_out': Number of DPAs out; 'dpa_in': Number of DPAs in;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, client_fail, server_fail, no_sess, user_session, acr_out, acr_in, aca_out, aca_in, cea_out, cea_in, cer_out, cer_in, dwr_out, dwr_in, dwa_out, dwa_in, str_out, str_in, sta_out, sta_in, asr_out, asr_in, asa_out, asa_in, other_out, other_in, total_http_req_enter_gen, mismatch_fwd_id, mismatch_rev_id, unkwn_cmd_code, no_session_id, no_fwd_tuple, no_rev_tuple, dcmsg_fwd_in, dcmsg_fwd_out, dcmsg_rev_in, dcmsg_rev_out, dcmsg_error, retry_client_request, retry_client_request_fail, reply_unknown_session_id, ccr_out, ccr_in, cca_out, cca_in, ccr_i, ccr_u, ccr_t, cca_t, terminate_on_cca_t, forward_unknown_session_id, update_latest_server, client_select_fail, close_conn_when_vport_down, invalid_avp, reselect_fwd_tuple, reselect_fwd_tuple_other_cpu, reselect_rev_tuple, conn_closed_by_client, conn_closed_by_server, reply_invalid_avp_value, reply_unable_to_deliver, reply_error_info_fail, dpr_out, dpr_in, dpa_out, dpa_in, diameter_too_busy_in, diameter_too_busy_out

2.120.66 slb generic-proxy oper

Operational Status for the object generic-proxy

generic-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	generic-proxy
Element URI	/axapi/v3/slb/generic-proxy/oper
Element Attributes	generic-proxy_attributes
Partition Visibility	None
Schema	`generic-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/generic-proxy/oper

generic-proxy attributes

Get Object

GET

/axapi/v3/slb/generic-proxy/oper

generic-proxy attributes

Modify Object

POST

/axapi/v3/slb/generic-proxy/oper

generic-proxy attributes

Replace Object

PUT

/axapi/v3/slb/generic-proxy/oper

generic-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/generic-proxy/oper

generic-proxy attributes

generic-proxy attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

generic-proxy-cpu-list

Type: List

oper_generic-proxy-cpu-list

Specification	Value
Type	*list*
Block object keys	

aca_in

Description

Type: number

aca_out

Description

Type: number

acr_in

Description

Type: number

acr_out

Description

Type: number

asa_in

Description

Type: number

asa_out

Description

Type: number

asr_in

Description

Type: number

asr_out

Description

Type: number

cca_in

Description

Type: number

cca_out

Description

Type: number

cca_t

Description

Type: number

ccr_i

Description

Type: number

ccr_in

Description

Type: number

ccr_out

Description

Type: number

ccr_t

Description

Type: number

ccr_u

Description

Type: number

cea_in

Description

Type: number

cea_out

Description

Type: number

cer_in

Description

Type: number

cer_out

Description

Type: number

client_fail

Description

Type: number

client_select_fail

Description

Type: number

close_conn_when_vport_down

Description

Type: number

conn_closed_by_client

Description

Type: number

conn_closed_by_server

Description

Type: number

curr_proxy_conns

Description

Type: number

dcmsg_error

Description

Type: number

dcmsg_fwd_in

Description

Type: number

dcmsg_fwd_out

Description

Type: number

dcmsg_rev_in

Description

Type: number

dcmsg_rev_out

Description

Type: number

diameter_too_busy_in

Description

Type: number

diameter_too_busy_out

Description

Type: number

dpa_in

Description

Type: number

dpa_out

Description

Type: number

dpr_in

Description

Type: number

dpr_out

Description

Type: number

dwa_in

Description

Type: number

dwa_out

Description

Type: number

dwr_in

Description

Type: number

dwr_out

Description

Type: number

forward_unknown_session_id

Description

Type: number

invalid_avp

Description

Type: number

mismatch_fwd_id

Description

Type: number

mismatch_rev_id

Description

Type: number

no_fwd_tuple

Description

Type: number

no_rev_tuple

Description

Type: number

no_route_fail

Description

Type: number

no_session_id

Description

Type: number

other_in

Description

Type: number

other_out

Description

Type: number

reply_error_info_fail

Description

Type: number

reply_invalid_avp_value

Description

Type: number

reply_unable_to_deliver

Description

Type: number

reply_unknown_session_id

Description

Type: number

reselect_fwd_tuple

Description

Type: number

reselect_fwd_tuple_other_cpu

Description

Type: number

reselect_rev_tuple

Description

Type: number

retry_client_request

Description

Type: number

retry_client_request_fail

Description

Type: number

server_fail

Description

Type: number

server_selection_fail

Description

Type: number

source_nat_fail

Description

Type: number

sta_in

Description

Type: number

sta_out

Description

Type: number

str_in

Description

Type: number

str_out

Description

Type: number

terminate_on_cca_t

Description

Type: number

total_http_conn_generic_proxy

Description

Type: number

total_proxy_conns

Description

Type: number

unkwn_cmd_code

Description

Type: number

update_latest_server

Description

Type: number

user_session

Description

Type: string

2.120.67 slb generic-proxy stats

Statistics for the object generic-proxy

generic-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	generic-proxy
Element URI	/axapi/v3/slb/generic-proxy/stats
Element Attributes	generic-proxy_attributes
Partition Visibility	None
Schema	`generic-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/generic-proxy/stats

generic-proxy attributes

Get Object

GET

/axapi/v3/slb/generic-proxy/stats

generic-proxy attributes

Modify Object

POST

/axapi/v3/slb/generic-proxy/stats

generic-proxy attributes

Replace Object

PUT

/axapi/v3/slb/generic-proxy/stats

generic-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/generic-proxy/stats

generic-proxy attributes

generic-proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

aca_in

Description Number of ACAs in

Type: number

Format: counter

aca_out

Description Number of ACAs out

Type: number

Format: counter

acr_in

Description Number of ACRs in

Type: number

Format: counter

acr_out

Description Number of ACRs out

Type: number

Format: counter

asa_in

Description Number of ASAs in

Type: number

Format: counter

asa_out

Description Number of ASAs out

Type: number

Format: counter

asr_in

Description Number of ASRs in

Type: number

Format: counter

asr_out

Description Number of ASRs out

Type: number

Format: counter

cca_in

Description Number of CCAs in

Type: number

Format: counter

cca_out

Description Number of CCAs out

Type: number

Format: counter

cca_t

Description Number of CCAs terminate

Type: number

Format: counter

ccr_i

Description Number of CCRs initial

Type: number

Format: counter

ccr_in

Description Number of CCRs in

Type: number

Format: counter

ccr_out

Description Number of CCRs out

Type: number

Format: counter

ccr_t

Description Number of CCRs terminate

Type: number

Format: counter

ccr_u

Description Number of CCRs update

Type: number

Format: counter

cea_in

Description Number of CEAs in

Type: number

Format: counter

cea_out

Description Number of CEAs out

Type: number

Format: counter

cer_in

Description Number of CERs in

Type: number

Format: counter

cer_out

Description Number of CERs out

Type: number

Format: counter

client_fail

Description Number of client failures

Type: number

Format: counter

client_select_fail

Description Fail to select client

Type: number

Format: counter

close_conn_when_vport_down

Description Close client conn when virtual port is down

Type: number

Format: counter

conn_closed_by_client

Description Client initiates TCP close/reset

Type: number

Format: counter

conn_closed_by_server

Description Server initiates TCP close/reset

Type: number

Format: counter

curr

Description Current

Type: number

Format: counter

dcmsg_error

Description Diameter cross cpu error

Type: number

Format: counter

dcmsg_fwd_in

Description Diameter cross cpu fwd in

Type: number

Format: counter

dcmsg_fwd_out

Description Diameter cross cpu fwd out

Type: number

Format: counter

dcmsg_rev_in

Description Diameter cross cpu rev in

Type: number

Format: counter

dcmsg_rev_out

Description Diameter cross cpu rev out

Type: number

Format: counter

diameter_too_busy_in

Description Number of DIAMETER_TOO_BUSY in

Type: number

Format: counter

diameter_too_busy_out

Description Number of DIAMETER_TOO_BUSY out

Type: number

Format: counter

dpa_in

Description Number of DPAs in

Type: number

Format: counter

dpa_out

Description Number of DPAs out

Type: number

Format: counter

dpr_in

Description Number of DPRs in

Type: number

Format: counter

dpr_out

Description Number of DPRs out

Type: number

Format: counter

dwa_in

Description Number of DWAs in

Type: number

Format: counter

dwa_out

Description Number of DWAs out

Type: number

Format: counter

dwr_in

Description Number of DWRs in

Type: number

Format: counter

dwr_out

Description Number of DWRs out

Type: number

Format: counter

forward_unknown_session_id

Description Forward server side message with unknown session id

Type: number

Format: counter

invalid_avp

Description AVP value contains illegal chars

Type: number

Format: counter

mismatch_fwd_id

Description Diameter mismatch fwd session id

Type: number

Format: counter

mismatch_rev_id

Description Diameter mismatch rev session id

Type: number

Format: counter

no_fwd_tuple

Description Diameter no fwd tuple matched

Type: number

Format: counter

no_rev_tuple

Description Diameter no rev tuple matched

Type: number

Format: counter

no_route

Description Number of no routes

Type: number

Format: counter

no_sess

Description Number of no sessions

Type: number

Format: counter

no_session_id

Description Diameter no session id avp

Type: number

Format: counter

num

Description Number

Type: number

Format: counter

other_in

Description Number of other messages in

Type: number

Format: counter

other_out

Description Number of other messages out

Type: number

Format: counter

reply_error_info_fail

Description Fail to reply error info to peer

Type: number

Format: counter

reply_invalid_avp_value

Description Reply with invalid AVP error info

Type: number

Format: counter

reply_unable_to_deliver

Description Reply with unable to deliver error info

Type: number

Format: counter

reply_unknown_session_id

Description Reply with unknown session ID error info

Type: number

Format: counter

reselect_fwd_tuple

Description Original client tuple does not exist so reselect another one

Type: number

Format: counter

reselect_fwd_tuple_other_cpu

Description Original client tuple does not exist so reselect another one on other CPUs

Type: number

Format: counter

reselect_rev_tuple

Description Original server tuple does not exist so reselect another one

Type: number

Format: counter

retry_client_request

Description Diameter retry client request

Type: number

Format: counter

retry_client_request_fail

Description Diameter retry client request fail

Type: number

Format: counter

server_fail

Description Number of server failures

Type: number

Format: counter

snat_fail

Description Number of snat failures

Type: number

Format: counter

sta_in

Description Number of STAs in

Type: number

Format: counter

sta_out

Description Number of STAs out

Type: number

Format: counter

str_in

Description Number of STRs in

Type: number

Format: counter

str_out

Description Number of STRs out

Type: number

Format: counter

svrsel_fail

Description Number of server selection failed

Type: number

Format: counter

terminate_on_cca_t

Description Diameter terminate on cca_t

Type: number

Format: counter

total

Description Total

Type: number

Format: counter

total_http_req_enter_gen

Description Total number of HTTP requests enter generic proxy

Type: number

Format: counter

unkwn_cmd_code

Description Diameter unkown cmd code

Type: number

Format: counter

update_latest_server

Description Update to the latest server that used a session id

Type: number

Format: counter

user_session

Description Number of user sessions

Type: number

Format: counter

2.120.68 slb health-check-details oper

Operational Status for the object health-check-details

health-check-details Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-check-details
Element URI	/axapi/v3/slb/health-check-details/oper
Element Attributes	health-check-details_attributes
Partition Visibility	None
Schema	`health-check-details schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-check-details/oper

health-check-details attributes

Get Object

GET

/axapi/v3/slb/health-check-details/oper

health-check-details attributes

Modify Object

POST

/axapi/v3/slb/health-check-details/oper

health-check-details attributes

Replace Object

PUT

/axapi/v3/slb/health-check-details/oper

health-check-details attributes

Delete Object

DELETE

/axapi/v3/slb/health-check-details/oper

health-check-details attributes

health-check-details attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

arguments

Description

Type: string

attr-alias-addr

Description

Type: string

attr-port

Description

Type: number

attr-program

Description

Type: string

attr-rpn

Description

Type: string

attr-type

Description

Type: string

avg-rtt

Description

Type: number

avg-tcp-rtt

Description

Type: number

base-dn

Description

Type: string

community

Description

Type: string

curr-interval

Description

Type: number

curr-rtt

Description

Type: number

curr-tcp-rtt

Description

Type: number

db-column

Description

Type: number

db-name

Description

Type: string

db-row

Description

Type: number

dns-expect

Description

Type: string

dns-expect-type

Description

Type: number

dns-qtype

Description

Type: number

dns-recurse

Description

Type: number

domain

Description

Type: string

expect-resp-code

Description

Type: string

expect-resp-regex-code

Description

Type: string

expect-text

Description

Type: string

expect-text-regex

Description

Type: string

force-up

Description

Type: number

half-open

Description

Type: number

health-state

Description

Type: string

host

Description

Type: string

http-errors

Description

Type: number

http-req-sent

Description

Type: number

http-wait-resp

Description

Type: number

ipaddr

Description

Type: string

kerberos-kdc

Description

Type: string

kerberos-port

Description

Type: number

kerberos-realm

Description

Type: string

l4-conn-num

Description

Type: number

l4-errors

Description

Type: number

ldap-ssl

Description

Type: number

ldap-tls

Description

Type: number

mac-addr

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

mail-from

Description

Type: string

maintenance-code

Description

Type: string

method

Description

Type: string

monitor-name

Description

Type: string

oid

Description

Type: string

pass

Description

Type: string

pin-id

Description

Type: number

pname

Description

Type: string

postdata

Description

Type: string

process-index

Description

Type: number

query

Description

Type: string

rcpt-to

Description

Type: string

rcv-integer

Description

Type: number

receive

Description

Type: string

received-fail

Description

Type: number

received-success

Description

Type: number

resp-cont

Description

Type: string

response-timeout

Description

Type: number

secret

Description

Type: string

send

Description

Type: string

sip-register

Description

Type: number

snmp-operation

Description

Type: number

starttls

Description

Type: number

state-reason

Description

Type: string

status-code-rcv

Description

Type: number

tcp-only

Description

Type: number

transport-proto

Description

Type: number

url

Description

Type: string

user

Description

Type: string

2.120.69 slb health-check-summary oper

Operational Status for the object health-check-summary

health-check-summary Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-check-summary
Element URI	/axapi/v3/slb/health-check-summary/oper
Element Attributes	health-check-summary_attributes
Partition Visibility	None
Schema	`health-check-summary schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-check-summary/oper

health-check-summary attributes

Get Object

GET

/axapi/v3/slb/health-check-summary/oper

health-check-summary attributes

Modify Object

POST

/axapi/v3/slb/health-check-summary/oper

health-check-summary attributes

Replace Object

PUT

/axapi/v3/slb/health-check-summary/oper

health-check-summary attributes

Delete Object

DELETE

/axapi/v3/slb/health-check-summary/oper

health-check-summary attributes

health-check-summary attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

server-down

Description

Type: number

server-port-down

Description

Type: number

server-port-up

Description

Type: number

server-up

Description

Type: number

2.120.70 slb health-down-reason oper

Operational Status for the object health-down-reason

health-down-reason Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-down-reason
Element URI	/axapi/v3/slb/health-down-reason/oper
Element Attributes	health-down-reason_attributes
Partition Visibility	None
Schema	`health-down-reason schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-down-reason/oper

health-down-reason attributes

Get Object

GET

/axapi/v3/slb/health-down-reason/oper

health-down-reason attributes

Modify Object

POST

/axapi/v3/slb/health-down-reason/oper

health-down-reason attributes

Replace Object

PUT

/axapi/v3/slb/health-down-reason/oper

health-down-reason attributes

Delete Object

DELETE

/axapi/v3/slb/health-down-reason/oper

health-down-reason attributes

health-down-reason attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

down_id

Description

Type: number

down_reason

Description health down reason

Type: string

2.120.71 slb health-gateway

Configure gateway health-check

health-gateway Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-gateway
Element URI	/axapi/v3/slb/health-gateway
Element Attributes	health-gateway_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/health-gateway/stats
Operational Data URI	/axapi/v3/slb/health-gateway/oper
Schema	`health-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-gateway

health-gateway attributes

```
POST /axapi/v3/slb/health-gateway
Payload:
{
    "health-gateway": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/health-gateway

health-gateway attributes

```
GET /axapi/v3/slb/health-gateway
Reponse:
{
    "health-gateway": {
        "uuid": "5172c350-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/health-gateway"
    }
}
```

Modify Object

POST

/axapi/v3/slb/health-gateway

health-gateway attributes

Replace Object

PUT

/axapi/v3/slb/health-gateway

health-gateway attributes

```
PUT /axapi/v3/slb/health-gateway
Payload:
{
    "health-gateway": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "total_sent"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/health-gateway

health-gateway attributes

```
DELETE /axapi/v3/slb/health-gateway
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

health-gateway attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_sent': Number of Total health-check sent; 'total_retry_sent': Number of Total health-check retry sent; 'total_timeout': Number of Total health-check time-out;

Type: string

Supported Values: all, total_sent, total_retry_sent, total_timeout

2.120.72 slb health-gateway oper

Operational Status for the object health-gateway

health-gateway Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-gateway
Element URI	/axapi/v3/slb/health-gateway/oper
Element Attributes	health-gateway_attributes
Partition Visibility	None
Schema	`health-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-gateway/oper

health-gateway attributes

Get Object

GET

/axapi/v3/slb/health-gateway/oper

health-gateway attributes

Modify Object

POST

/axapi/v3/slb/health-gateway/oper

health-gateway attributes

Replace Object

PUT

/axapi/v3/slb/health-gateway/oper

health-gateway attributes

Delete Object

DELETE

/axapi/v3/slb/health-gateway/oper

health-gateway attributes

health-gateway attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

enabled

Description

Type: number

interval

Description

Type: number

timeout

Description

Type: number

2.120.73 slb health-gateway stats

Statistics for the object health-gateway

health-gateway Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-gateway
Element URI	/axapi/v3/slb/health-gateway/stats
Element Attributes	health-gateway_attributes
Partition Visibility	None
Schema	`health-gateway schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-gateway/stats

health-gateway attributes

Get Object

GET

/axapi/v3/slb/health-gateway/stats

health-gateway attributes

Modify Object

POST

/axapi/v3/slb/health-gateway/stats

health-gateway attributes

Replace Object

PUT

/axapi/v3/slb/health-gateway/stats

health-gateway attributes

Delete Object

DELETE

/axapi/v3/slb/health-gateway/stats

health-gateway attributes

health-gateway attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

total_retry_sent

Description Number of Total health-check retry sent

Type: number

Format: counter

total_sent

Description Number of Total health-check sent

Type: number

Format: counter

total_timeout

Description Number of Total health-check timeout

Type: number

Format: counter

2.120.74 slb health-monitor

Display Health Monitor Information

health-monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-monitor
Element URI	/axapi/v3/slb/health-monitor
Element Attributes	health-monitor_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/health-monitor/oper
Schema	`health-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-monitor

health-monitor attributes

Get Object

GET

/axapi/v3/slb/health-monitor

health-monitor attributes

Modify Object

POST

/axapi/v3/slb/health-monitor

health-monitor attributes

Replace Object

PUT

/axapi/v3/slb/health-monitor

health-monitor attributes

Delete Object

DELETE

/axapi/v3/slb/health-monitor

health-monitor attributes

health-monitor attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.75 slb health-monitor oper

Operational Status for the object health-monitor

health-monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-monitor
Element URI	/axapi/v3/slb/health-monitor/oper
Element Attributes	health-monitor_attributes
Partition Visibility	None
Schema	`health-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-monitor/oper

health-monitor attributes

Get Object

GET

/axapi/v3/slb/health-monitor/oper

health-monitor attributes

Modify Object

POST

/axapi/v3/slb/health-monitor/oper

health-monitor attributes

Replace Object

PUT

/axapi/v3/slb/health-monitor/oper

health-monitor attributes

Delete Object

DELETE

/axapi/v3/slb/health-monitor/oper

health-monitor attributes

health-monitor attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

health-monitor-list

Type: List

oper_health-monitor-list

Specification	Value
Type	*list*
Block object keys	

all-partitions

Description

Type: number

interval

Description

Type: number

method

Description

Type: string

name

Description

Type: string

partition

Description

Type: string

pin-id

Description

Type: number

pin-process-index

Description

Type: number

retries

Description

Type: number

ssl-refresh

Description

Type: number

status

Description

Type: string

timeout

Description

Type: number

up-retries

Description

Type: number

2.120.76 slb health-stat

Configure health monitor

health-stat Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-stat
Element URI	/axapi/v3/slb/health-stat
Element Attributes	health-stat_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/health-stat/stats
Operational Data URI	/axapi/v3/slb/health-stat/oper
Schema	`health-stat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-stat

health-stat attributes

```
POST /axapi/v3/slb/health-stat
Payload:
{
    "health-stat": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/health-stat

health-stat attributes

```
GET /axapi/v3/slb/health-stat
Reponse:
{
    "health-stat": {
        "uuid": "5172bd2e-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/health-stat"
    }
}
```

Modify Object

POST

/axapi/v3/slb/health-stat

health-stat attributes

Replace Object

PUT

/axapi/v3/slb/health-stat

health-stat attributes

```
PUT /axapi/v3/slb/health-stat
Payload:
{
    "health-stat": {
        "sampling-enable": [
            {
                "counters1": "num_burst"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/health-stat

health-stat attributes

```
DELETE /axapi/v3/slb/health-stat
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

health-stat attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num_burst': Number of burst; 'max_jiffie': Maximum number of jiffies; 'min_jiffie': Minimum number of jiffies; 'avg_jiffie': Average number of jiffies; 'open_socket': Number of open sockets; 'open_socket_failed': Number of failed open sockets; 'close_socket': Number of closed sockets; 'connect_failed': Number of failed connections; 'send_packet': Number of packets sent; 'send_packet_failed': Number of packet send failures; 'recv_packet': Number of received packets; 'recv_packet_failed': Number of failed packet receives; 'retry_times': Retry times; 'timeout': Timouet value; 'unexpected_error': Number of unexpected errors; 'conn_imdt_succ': Number of connection immediete success; 'sock_close_before_17': Number of sockets closed before l7; 'sock_close_without_notify': Number of sockets closed without notify; 'curr_health_rate': Current health rate; 'ext_health_rate': External health rate; 'ext_health_rate_val': External health rate value; 'total_number': Total number; 'status_up': Number of status ups; 'status_down': Number of status downs; 'status_unkn': Number of status unknowns; 'status_other': Number of other status; 'running_time': Running time; 'config_health_rate': Config health rate; 'ssl_post_handshake_packet': Number of ssl post handshake packets before client sends request; 'timeout_with_packet': Number of pin timeouts while socket has packets;

Type: string

Supported Values: all, num_burst, max_jiffie, min_jiffie, avg_jiffie, open_socket, open_socket_failed, close_socket, connect_failed, send_packet, send_packet_failed, recv_packet, recv_packet_failed, retry_times, timeout, unexpected_error, conn_imdt_succ, sock_close_before_17, sock_close_without_notify, curr_health_rate, ext_health_rate, ext_health_rate_val, total_number, status_up, status_down, status_unkn, status_other, running_time, config_health_rate, ssl_post_handshake_packet, timeout_with_packet

2.120.77 slb health-stat oper

Operational Status for the object health-stat

health-stat Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-stat
Element URI	/axapi/v3/slb/health-stat/oper
Element Attributes	health-stat_attributes
Partition Visibility	None
Schema	`health-stat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-stat/oper

health-stat attributes

Get Object

GET

/axapi/v3/slb/health-stat/oper

health-stat attributes

Modify Object

POST

/axapi/v3/slb/health-stat/oper

health-stat attributes

Replace Object

PUT

/axapi/v3/slb/health-stat/oper

health-stat attributes

Delete Object

DELETE

/axapi/v3/slb/health-stat/oper

health-stat attributes

health-stat attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

clear_ssl_ticket

Description

Type: number

health-check-list

Type: List

method

Description

Type: string

Supported Values: icmp, tcp, udp, http, ftp, snmp, smtp, dns, pop3, imap, sip, radius, ldap, rtsp, database, external, ntp, compound, https, kerberos-kdc, tacplus

monitor

Description

Type: string

num_pins

Description

Type: number

num_pins_stat_down

Description

Type: number

num_pins_stat_else

Description

Type: number

num_pins_stat_unkn

Description

Type: number

num_pins_stat_up

Description

Type: number

num_ssl_tickets

Description

Type: number

total_stat

Description

Type: number

oper_health-check-list

Specification	Value
Type	*list*
Block object keys	

down-cause

Description

Type: number

down-state

Description

Type: number

health-monitor

Description

Type: string

ip-address

Description

Type: string

partition-id

Description

Type: number

port

Description

Type: string

reason

Description

Type: string

retries

Description

Type: number

server

Description

Type: string

ssl-cipher

Description

Type: string

ssl-ticket

Description

Type: number

ssl-version

Description

Type: string

status

Description

Type: string

total-retry

Description

Type: number

up-cause

Description

Type: number

up-retries

Description

Type: number

2.120.78 slb health-stat stats

Statistics for the object health-stat

health-stat Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-stat
Element URI	/axapi/v3/slb/health-stat/stats
Element Attributes	health-stat_attributes
Partition Visibility	None
Schema	`health-stat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-stat/stats

health-stat attributes

Get Object

GET

/axapi/v3/slb/health-stat/stats

health-stat attributes

Modify Object

POST

/axapi/v3/slb/health-stat/stats

health-stat attributes

Replace Object

PUT

/axapi/v3/slb/health-stat/stats

health-stat attributes

Delete Object

DELETE

/axapi/v3/slb/health-stat/stats

health-stat attributes

health-stat attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

avg_jiffie

Description Average number of jiffies

Type: number

Format: counter

close_socket

Description Number of closed sockets

Type: number

Format: counter

config_health_rate

Description Config health rate

Type: number

Format: counter

conn_imdt_succ

Description Number of connection immediete success

Type: number

Format: counter

connect_failed

Description Number of failed connections

Type: number

Format: counter

curr_health_rate

Description Current health rate

Type: number

Format: counter

ext_health_rate

Description External health rate

Type: number

Format: counter

ext_health_rate_val

Description External health rate value

Type: number

Format: counter

max_jiffie

Description Maximum number of jiffies

Type: number

Format: counter

min_jiffie

Description Minimum number of jiffies

Type: number

Format: counter

num_burst

Description Number of burst

Type: number

Format: counter

open_socket

Description Number of open sockets

Type: number

Format: counter

open_socket_failed

Description Number of failed open sockets

Type: number

Format: counter

recv_packet

Description Number of received packets

Type: number

Format: counter

recv_packet_failed

Description Number of failed packet receives

Type: number

Format: counter

retry_times

Description Retry times

Type: number

Format: counter

running_time

Description Running time

Type: number

Format: counter

send_packet

Description Number of packets sent

Type: number

Format: counter

send_packet_failed

Description Number of packet send failures

Type: number

Format: counter

sock_close_before_17

Description Number of sockets closed before l7

Type: number

Format: counter

sock_close_without_notify

Description Number of sockets closed without notify

Type: number

Format: counter

ssl_post_handshake_packet

Description Number of ssl post handshake packets before client sends request

Type: number

Format: counter

status_down

Description Number of status downs

Type: number

Format: counter

status_other

Description Number of other status

Type: number

Format: counter

status_unkn

Description Number of status unknowns

Type: number

Format: counter

status_up

Description Number of status ups

Type: number

Format: counter

timeout

Description Timouet value

Type: number

Format: counter

timeout_with_packet

Description Number of pin timeouts while socket has packets

Type: number

Format: counter

total_number

Description Total number

Type: number

Format: counter

unexpected_error

Description Number of unexpected errors

Type: number

Format: counter

2.120.79 slb health-up-reason oper

Operational Status for the object health-up-reason

health-up-reason Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	health-up-reason
Element URI	/axapi/v3/slb/health-up-reason/oper
Element Attributes	health-up-reason_attributes
Partition Visibility	None
Schema	`health-up-reason schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/health-up-reason/oper

health-up-reason attributes

Get Object

GET

/axapi/v3/slb/health-up-reason/oper

health-up-reason attributes

Modify Object

POST

/axapi/v3/slb/health-up-reason/oper

health-up-reason attributes

Replace Object

PUT

/axapi/v3/slb/health-up-reason/oper

health-up-reason attributes

Delete Object

DELETE

/axapi/v3/slb/health-up-reason/oper

health-up-reason attributes

health-up-reason attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

up_id

Description

Type: number

up_reason

Description health up reason

Type: string

2.120.80 slb hm-dplane

Health Monitor on data-plane (hm-dplane) related oper Info and Stats

hm-dplane Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hm-dplane
Element URI	/axapi/v3/slb/hm-dplane
Element Attributes	hm-dplane_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/hm-dplane/stats
Schema	`hm-dplane schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/hm-dplane

hm-dplane attributes

Get Object

GET

/axapi/v3/slb/hm-dplane

hm-dplane attributes

Modify Object

POST

/axapi/v3/slb/hm-dplane

hm-dplane attributes

Replace Object

PUT

/axapi/v3/slb/hm-dplane

hm-dplane attributes

Delete Object

DELETE

/axapi/v3/slb/hm-dplane

hm-dplane attributes

hm-dplane attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current HM Entries; 'total_created': Total HM Entries Created; 'total_inserted': Total HM entries inserted; 'curr_ready_to_free': Current HM entries ready to free; 'total_freed': Total HM entries freed; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry creation out of memory; 'err_entry_insert_failed': Entry insert failed; 'total_tcp_err': Total TCP errors in health-checks sent; 'err_smart_nat_alloc': Error creating smart-nat instance; 'err_smart_nat_port_alloc': Error obtaining smart-nat source port; 'err_l4_sess_alloc': Error allocating L4 session for HM; 'err_hm_tcp_conn_sent': Error in initiating TCP connection for HM; 'hm_tcp_conn_sent': Total TCP connections sent for HM; 'entry_deleted': Entry deleted; 'err_entry_create_slb_failed': Error in creating HM internal SLB Resource; 'total_match_resp_code': Total HTTP received response with match response code; 'total_match_default_resp_code': Total HTTP received response with match 200 response code; 'total_maintenance_received': Total maintenace response received; 'total_wrong_status_received': Total HTTP received response with wrong response code; 'err_no_hm_entry': Error no HM entry found; 'err_ssl_cert_name_mismatch': Error SSL cert name mismatch; 'err_server_syn_timeout': Error SSL server SYN timeout; 'err_http2_callback': Error HTTP2 callback; 'err_l7_sess_process_tcp_estab_failed': L7 session process TCP established failed; 'err_l7_sess_process_tcp_data_failed': L7 session process TCP data failed; 'err_http2_ver_mismatch': Error HTTP2 version mismatch; 'smart_nat_alloc': Total smart-nat allocation successful; 'smart_nat_release': Total smart-nat release successful; 'smart_nat_alloc_failed': Total smart-nat allocation failed;

'smart_nat_release_failed': Total smart-nat release failed; 'total_server_quic_conn': Total start server QUIC connections; 'total_server_quic_conn_err': Total start server QUIC connections error; 'total_start_server_conn_err': Total start server connections error; 'err_missing_server_ssl_template': Missing Server-SSL Template; 'err_create_ssl_ctx_fail': Error in creating SSL CTX; 'err_entry_missing_vport': Entry missing Virtual-Port;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, curr_ready_to_free, total_freed, err_entry_create_failed, err_entry_create_oom, err_entry_insert_failed, total_tcp_err, err_smart_nat_alloc, err_smart_nat_port_alloc, err_l4_sess_alloc, err_hm_tcp_conn_sent, hm_tcp_conn_sent, entry_deleted, err_entry_create_slb_failed, total_match_resp_code, total_match_default_resp_code, total_maintenance_received, total_wrong_status_received, err_no_hm_entry, err_ssl_cert_name_mismatch, err_server_syn_timeout, err_http2_callback, err_l7_sess_process_tcp_estab_failed, err_l7_sess_process_tcp_data_failed, err_http2_ver_mismatch, smart_nat_alloc, smart_nat_release, smart_nat_alloc_failed, smart_nat_release_failed, total_server_quic_conn, total_server_quic_conn_err, total_start_server_conn_err, err_missing_server_ssl_template, err_create_ssl_ctx_fail, err_entry_missing_vport

2.120.81 slb hm-dplane stats

Statistics for the object hm-dplane

hm-dplane Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hm-dplane
Element URI	/axapi/v3/slb/hm-dplane/stats
Element Attributes	hm-dplane_attributes
Partition Visibility	None
Schema	`hm-dplane schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/hm-dplane/stats

hm-dplane attributes

Get Object

GET

/axapi/v3/slb/hm-dplane/stats

hm-dplane attributes

Modify Object

POST

/axapi/v3/slb/hm-dplane/stats

hm-dplane attributes

Replace Object

PUT

/axapi/v3/slb/hm-dplane/stats

hm-dplane attributes

Delete Object

DELETE

/axapi/v3/slb/hm-dplane/stats

hm-dplane attributes

hm-dplane attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_entries

Description Current HM Entries

Type: number

Format: counter

curr_ready_to_free

Description Current HM entries ready to free

Type: number

Format: counter

entry_deleted

Description Entry deleted

Type: number

Format: counter

err_create_ssl_ctx_fail

Description Error in creating SSL CTX

Type: number

Format: counter

err_entry_create_failed

Description Entry Creation Failure

Type: number

Format: counter

err_entry_create_oom

Description Entry creation out of memory

Type: number

Format: counter

err_entry_create_slb_failed

Description Error in creating HM internal SLB Resource

Type: number

Format: counter

err_entry_insert_failed

Description Entry insert failed

Type: number

Format: counter

err_entry_missing_vport

Description Entry missing Virtual-Port

Type: number

Format: counter

err_hm_tcp_conn_sent

Description Error in initiating TCP connection for HM

Type: number

Format: counter

err_http2_callback

Description Error HTTP2 callback

Type: number

Format: counter

err_http2_ver_mismatch

Description Error HTTP2 version mismatch

Type: number

Format: counter

err_l4_sess_alloc

Description Error allocating L4 session for HM

Type: number

Format: counter

err_l7_sess_process_tcp_data_failed

Description L7 session process TCP data failed

Type: number

Format: counter

err_l7_sess_process_tcp_estab_failed

Description L7 session process TCP established failed

Type: number

Format: counter

err_missing_server_ssl_template

Description Missing Server-SSL Template

Type: number

Format: counter

err_no_hm_entry

Description Error no HM entry found

Type: number

Format: counter

err_server_syn_timeout

Description Error SSL server SYN timeout

Type: number

Format: counter

err_smart_nat_alloc

Description Error creating smart-nat instance

Type: number

Format: counter

err_smart_nat_port_alloc

Description Error obtaining smart-nat source port

Type: number

Format: counter

err_ssl_cert_name_mismatch

Description Error SSL cert name mismatch

Type: number

Format: counter

hm_tcp_conn_sent

Description Total TCP connections sent for HM

Type: number

Format: counter

smart_nat_alloc

Description Total smart-nat allocation successful

Type: number

Format: counter

smart_nat_alloc_failed

Description Total smart-nat allocation failed

Type: number

Format: counter

smart_nat_release

Description Total smart-nat release successful

Type: number

Format: counter

smart_nat_release_failed

Description Total smart-nat release failed

Type: number

Format: counter

total_created

Description Total HM Entries Created

Type: number

Format: counter

total_freed

Description Total HM entries freed

Type: number

Format: counter

total_inserted

Description Total HM entries inserted

Type: number

Format: counter

total_maintenance_received

Description Total maintenace response received

Type: number

Format: counter

total_match_default_resp_code

Description Total HTTP received response with match 200 response code

Type: number

Format: counter

total_match_resp_code

Description Total HTTP received response with match response code

Type: number

Format: counter

total_server_quic_conn

Description Total start server QUIC connections

Type: number

Format: counter

total_server_quic_conn_err

Description Total start server QUIC connections error

Type: number

Format: counter

total_start_server_conn_err

Description Total start server connections error

Type: number

Format: counter

total_tcp_err

Description Total TCP errors in health-checks sent

Type: number

Format: counter

total_wrong_status_received

Description Total HTTP received response with wrong response code

Type: number

Format: counter

2.120.82 slb http2

Configure http2

http2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http2
Element URI	/axapi/v3/slb/http2
Element Attributes	http2_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/http2/stats
Operational Data URI	/axapi/v3/slb/http2/oper
Schema	`http2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http2

http2 attributes

```
POST /axapi/v3/slb/http2
Payload:
{
    "http2": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/http2

http2 attributes

```
GET /axapi/v3/slb/http2
Reponse:
{
    "http2": {
        "uuid": "5172a852-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/http2"
    }
}
```

Modify Object

POST

/axapi/v3/slb/http2

http2 attributes

Replace Object

PUT

/axapi/v3/slb/http2

http2 attributes

```
PUT /axapi/v3/slb/http2
Payload:
{
    "http2": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/http2

http2 attributes

```
DELETE /axapi/v3/slb/http2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

http2 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'connection_preface_rcvd': Connection preface rcvd; 'control_frame': Control Frame Rcvd; 'headers_frame': HEADERS Frame Rcvd; 'continuation_frame': CONTINUATION Frame Rcvd; 'rst_frame_rcvd': RST_STREAM Frame Rcvd; 'settings_frame': SETTINGS Frame Rcvd; 'window_update_frame': WINDOW_UPDATE Frame Rcvd; 'ping_frame': PING Frame Rcvd; 'goaway_frame': GOAWAY Frame Rcvd; 'priority_frame': PRIORITY Frame Rcvd; 'data_frame': DATA Frame Recvd; 'unknown_frame': Unknown Frame Recvd; 'connection_preface_sent': Connection preface sent; 'settings_frame_sent': SETTINGS Frame Sent; 'settings_ack_sent': SETTINGS ACK Frame Sent; 'empty_settings_sent': Empty SETTINGS Frame Sent; 'ping_frame_sent': PING Frame Sent; 'window_update_frame_sent': WINDOW_UPDATE Frame Sent; 'rst_frame_sent': RST_STREAM Frame Sent; 'goaway_frame_sent': GOAWAY Frame Sent; 'header_to_app': HEADER Frame to HTTP; 'data_to_app': DATA Frame to HTTP; 'protocol_error': Protocol Error; 'internal_error': Internal Error; 'proxy_alloc_error': HTTP2 Proxy alloc Error; 'split_buff_fail': Splitting Buffer Failed; 'invalid_frame_size': Invalid Frame Size Rcvd; 'error_max_invalid_stream': Max Invalid Stream Rcvd; 'data_no_stream': DATA Frame Rcvd on non-existent stream; 'flow_control_error': Flow Control Error; 'settings_timeout': Settings Timeout; 'frame_size_error': Frame Size Error; 'refused_stream': Refused Stream; 'cancel': cancel; 'compression_error': compression error; 'connect_error': connect error; 'enhance_your_calm': enhance your calm error; 'inadequate_security': inadequate security; 'http_1_1_required': HTTP1.1 Required; 'deflate_alloc_fail': deflate alloc fail; 'inflate_alloc_fail': inflate alloc fail; 'inflate_header_fail': Inflate Header Fail; 'bad_connection_preface': Bad Connection Preface; 'cant_allocate_control_frame': Cant allocate control frame; 'cant_allocate_settings_frame': Cant allocate SETTINGS frame; 'bad_frame_type_for_stream_state': Bad frame type for stream state; 'wrong_stream_state': Wrong Stream State; 'data_queue_alloc_error': Data Queue Alloc Error; 'buff_alloc_error': Buff alloc error; 'cant_allocate_rst_frame': Cant allocate RST_STREAM frame; 'cant_allocate_goaway_frame': Cant allocate GOAWAY frame; 'cant_allocate_ping_frame': Cant allocate PING frame; 'cant_allocate_stream': Cant allocate stream; 'cant_allocate_window_frame': Cant allocate WINDOW_UPDATE frame; 'header_no_stream': header no stream; 'header_padlen_gt_frame_payload': Header padlen greater than frame payload size; 'streams_gt_max_concur_streams': Streams greater than max allowed concurrent streams; 'idle_state_unexpected_frame': Unxpected frame received in idle state; 'reserved_local_state_unexpected_frame': Unexpected frame received in reserved local state; 'reserved_remote_state_unexpected_frame': Unexpected frame received in reserved remote state; 'half_closed_remote_state_unexpected_frame': Unexpected frame received in half closed remote state; 'closed_state_unexpected_frame': Unexpected frame received in closed state; 'zero_window_size_on_stream': Window Update with zero increment rcvd; 'exceeds_max_window_size_stream': Window Update with increment that results in exceeding max window; 'stream_closed': stream closed; 'continuation_before_headers': CONTINUATION frame with no headers frame; 'invalid_frame_during_headers': frame before headers were complete; 'headers_after_continuation': headers frame before CONTINUATION was complete; 'push_promise_frame_sent': Push Promise Frame Sent; 'invalid_push_promise': unexpected PUSH_PROMISE frame; 'invalid_stream_id': received invalid stream ID; 'headers_interleaved': headers interleaved on streams; 'trailers_no_end_stream': trailers

not marked as end-of-stream; 'invalid_setting_value': invalid setting-frame value; 'invalid_window_update': window-update value out of range; 'frame_header_bytes_received': frame header bytes received; 'frame_header_bytes_sent': frame header bytes sent; 'control_bytes_received': HTTP/2 control frame bytes received; 'control_bytes_sent': HTTP/2 control frame bytes sent; 'header_bytes_received': HTTP/2 header bytes received; 'header_bytes_sent': HTTP/2 header bytes sent; 'data_bytes_received': HTTP/2 data bytes received; 'data_bytes_sent': HTTP/2 data bytes sent; 'total_bytes_received': HTTP/2 total bytes received; 'total_bytes_sent': HTTP/2 total bytes sent; 'peak_proxy': Peak Proxy Conns; 'control_frame_sent': Control Frame Sent; 'continuation_frame_sent': CONTINUATION Frame Sent; 'data_frame_sent': DATA Frame Sent; 'headers_frame_sent': HEADERS Frame Sent; 'priority_frame_sent': PRIORITY Frame Sent; 'settings_ack_rcvd': SETTINGS ACK Frame Rcvd; 'empty_settings_rcvd': Empty SETTINGS Frame Rcvd; 'alloc_fail_total': Alloc Fail - Total; 'err_rcvd_total': Error Rcvd - Total; 'err_sent_total': Error Rent - Total; 'err_sent_proto_err': Error Sent - PROTOCOL_ERROR; 'err_sent_internal_err': Error Sent - INTERNAL_ERROR; 'err_sent_flow_control': Error Sent - FLOW_CONTROL_ERROR; 'err_sent_setting_timeout': Error Sent - SETTINGS_TIMEOUT; 'err_sent_stream_closed': Error Sent - STREAM_CLOSED; 'err_sent_frame_size_err': Error Sent - FRAME_SIZE_ERROR; 'err_sent_refused_stream': Error Sent - REFUSED_STREAM; 'err_sent_cancel': Error Sent - CANCEL; 'err_sent_compression_err': Error Sent - COMPRESSION_ERROR; 'err_sent_connect_err': Error Sent - CONNECT_ERROR; 'err_sent_your_calm': Error Sent - ENHANCE_YOUR_CALM; 'err_sent_inadequate_security': Error Sent - INADEQUATE_SECURITY; 'err_sent_http11_required': Error Sent - HTTP_1_1_REQUIRED; 'http2_rejected': HTTP2 Rejected; 'current_stream': Current Streams; 'stream_create': Stream Create; 'stream_free': Stream Free; 'end_stream_rcvd': End Stream Recieved; 'end_stream_sent': End Stream Sent;

Type: string

Supported Values: all, curr_proxy, total_proxy, connection_preface_rcvd, control_frame, headers_frame, continuation_frame, rst_frame_rcvd, settings_frame, window_update_frame, ping_frame, goaway_frame, priority_frame, data_frame, unknown_frame, connection_preface_sent, settings_frame_sent, settings_ack_sent, empty_settings_sent, ping_frame_sent, window_update_frame_sent, rst_frame_sent, goaway_frame_sent, header_to_app, data_to_app, protocol_error, internal_error, proxy_alloc_error, split_buff_fail, invalid_frame_size, error_max_invalid_stream, data_no_stream, flow_control_error, settings_timeout, frame_size_error, refused_stream, cancel, compression_error, connect_error, enhance_your_calm, inadequate_security, http_1_1_required, deflate_alloc_fail, inflate_alloc_fail, inflate_header_fail, bad_connection_preface, cant_allocate_control_frame, cant_allocate_settings_frame, bad_frame_type_for_stream_state, wrong_stream_state, data_queue_alloc_error, buff_alloc_error, cant_allocate_rst_frame, cant_allocate_goaway_frame, cant_allocate_ping_frame, cant_allocate_stream, cant_allocate_window_frame, header_no_stream, header_padlen_gt_frame_payload, streams_gt_max_concur_streams, idle_state_unexpected_frame, reserved_local_state_unexpected_frame, reserved_remote_state_unexpected_frame, half_closed_remote_state_unexpected_frame, closed_state_unexpected_frame, zero_window_size_on_stream, exceeds_max_window_size_stream, stream_closed, continuation_before_headers, invalid_frame_during_headers, headers_after_continuation, push_promise_frame_sent, invalid_push_promise, invalid_stream_id, headers_interleaved, trailers_no_end_stream, invalid_setting_value, invalid_window_update, frame_header_bytes_received, frame_header_bytes_sent, control_bytes_received, control_bytes_sent, header_bytes_received, header_bytes_sent, data_bytes_received, data_bytes_sent, total_bytes_received, total_bytes_sent, peak_proxy, control_frame_sent, continuation_frame_sent, data_frame_sent, headers_frame_sent, priority_frame_sent, set-

tings_ack_rcvd, empty_settings_rcvd, alloc_fail_total, err_rcvd_total, err_sent_total, err_sent_proto_err, err_sent_internal_err, err_sent_flow_control, err_sent_setting_timeout, err_sent_stream_closed, err_sent_frame_size_err, err_sent_refused_stream, err_sent_cancel, err_sent_compression_err, err_sent_connect_err, err_sent_your_calm, err_sent_inadequate_security, err_sent_http11_required, http2_rejected, current_stream, stream_create, stream_free, end_stream_rcvd, end_stream_sent, transaction_limited, frame_flood_detected, stream_cancel_flood_detected

2.120.83 slb http2 oper

Operational Status for the object http2

http2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http2
Element URI	/axapi/v3/slb/http2/oper
Element Attributes	http2_attributes
Partition Visibility	None
Schema	`http2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http2/oper

http2 attributes

Get Object

GET

/axapi/v3/slb/http2/oper

http2 attributes

Modify Object

POST

/axapi/v3/slb/http2/oper

http2 attributes

Replace Object

PUT

/axapi/v3/slb/http2/oper

http2 attributes

Delete Object

DELETE

/axapi/v3/slb/http2/oper

http2 attributes

http2 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

http2-cpu-list

Type: List

oper_http2-cpu-list

Specification	Value
Type	*list*
Block object keys	

alloc_fail_total

Description

Type: number

bad_connection_preface

Description

Type: number

bad_frame_type_for_stream_state

Description

Type: number

buff_alloc_error

Description

Type: number

cancel

Description

Type: number

cant_allocate_control_frame

Description

Type: number

cant_allocate_goaway_frame

Description

Type: number

cant_allocate_ping_frame

Description

Type: number

cant_allocate_rst_frame

Description

Type: number

cant_allocate_settings_frame

Description

Type: number

cant_allocate_stream

Description

Type: number

cant_allocate_window_frame

Description

Type: number

closed_state_unexpected_frame

Description

Type: number

compression_error

Description

Type: number

connect_error

Description

Type: number

connection_preface_rcvd

Description

Type: number

connection_preface_sent

Description

Type: number

continuation_before_headers

Description

Type: number

continuation_frame

Description

Type: number

continuation_frame_sent

Description

Type: number

control_bytes_received

Description

Type: number

control_bytes_sent

Description

Type: number

control_frame

Description

Type: number

control_frame_sent

Description

Type: number

curr_proxy

Description

Type: number

current_stream

Description

Type: number

data_bytes_received

Description

Type: number

data_bytes_sent

Description

Type: number

data_frame

Description

Type: number

data_frame_sent

Description

Type: number

data_no_stream

Description

Type: number

data_queue_alloc_error

Description

Type: number

data_to_app

Description

Type: number

deflate_alloc_fail

Description

Type: number

empty_settings_rcvd

Description

Type: number

empty_settings_sent

Description

Type: number

end_stream_rcvd

Description

Type: number

end_stream_sent

Description

Type: number

enhance_your_calm

Description

Type: number

err_rcvd_total

Description

Type: number

err_sent_cancel

Description

Type: number

err_sent_compression_err

Description

Type: number

err_sent_connect_err

Description

Type: number

err_sent_flow_control

Description

Type: number

err_sent_frame_size_err

Description

Type: number

err_sent_http11_required

Description

Type: number

err_sent_inadequate_security

Description

Type: number

err_sent_internal_err

Description

Type: number

err_sent_proto_err

Description

Type: number

err_sent_refused_stream

Description

Type: number

err_sent_setting_timeout

Description

Type: number

err_sent_stream_closed

Description

Type: number

err_sent_total

Description

Type: number

err_sent_your_calm

Description

Type: number

error_max_invalid_stream

Description

Type: number

exceeds_max_window_size_stream

Description

Type: number

flow_control_error

Description

Type: number

frame_flood_detected

Description

Type: number

frame_header_bytes_received

Description

Type: number

frame_header_bytes_sent

Description

Type: number

frame_size_error

Description

Type: number

goaway_frame

Description

Type: number

goaway_frame_sent

Description

Type: number

half_closed_remote_state_unexpected_frame

Description

Type: number

header_bytes_received

Description

Type: number

header_bytes_sent

Description

Type: number

header_no_stream

Description

Type: number

header_padlen_gt_frame_payload

Description

Type: number

header_to_app

Description

Type: number

headers_after_continuation

Description

Type: number

headers_frame

Description

Type: number

headers_frame_sent

Description

Type: number

headers_interleaved

Description

Type: number

http2_rejected

Description

Type: number

http_1_1_required

Description

Type: number

idle_state_unexpected_frame

Description

Type: number

inadequate_security

Description

Type: number

inflate_alloc_fail

Description

Type: number

inflate_header_fail

Description

Type: number

internal_error

Description

Type: number

invalid_frame_during_headers

Description

Type: number

invalid_frame_size

Description

Type: number

invalid_push_promise

Description

Type: number

invalid_setting_value

Description

Type: number

invalid_stream_id

Description

Type: number

invalid_window_update

Description

Type: number

peak_proxy

Description

Type: number

ping_frame

Description

Type: number

ping_frame_sent

Description

Type: number

priority_frame

Description

Type: number

priority_frame_sent

Description

Type: number

protocol_error

Description

Type: number

proxy_alloc_error

Description

Type: number

push_promise_frame_sent

Description

Type: number

refused_stream

Description

Type: number

reserved_local_state_unexpected_frame

Description

Type: number

reserved_remote_state_unexpected_frame

Description

Type: number

rst_frame_rcvd

Description

Type: number

rst_frame_sent

Description

Type: number

settings_ack_rcvd

Description

Type: number

settings_ack_sent

Description

Type: number

settings_frame

Description

Type: number

settings_frame_sent

Description

Type: number

settings_timeout

Description

Type: number

split_buff_fail

Description

Type: number

stream_cancel_flood_detected

Description

Type: number

stream_closed

Description

Type: number

stream_create

Description

Type: number

stream_free

Description

Type: number

streams_gt_max_concur_streams

Description

Type: number

total_bytes_received

Description

Type: number

total_bytes_sent

Description

Type: number

total_proxy

Description

Type: number

trailers_no_end_stream

Description

Type: number

transaction_limited

Description

Type: number

unknown_frame

Description

Type: number

window_update_frame

Description

Type: number

window_update_frame_sent

Description

Type: number

wrong_stream_state

Description

Type: number

zero_window_size_on_stream

Description

Type: number

2.120.84 slb http2 stats

Statistics for the object http2

http2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http2
Element URI	/axapi/v3/slb/http2/stats
Element Attributes	http2_attributes
Partition Visibility	None
Schema	`http2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http2/stats

http2 attributes

Get Object

GET

/axapi/v3/slb/http2/stats

http2 attributes

Modify Object

POST

/axapi/v3/slb/http2/stats

http2 attributes

Replace Object

PUT

/axapi/v3/slb/http2/stats

http2 attributes

Delete Object

DELETE

/axapi/v3/slb/http2/stats

http2 attributes

http2 attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

alloc_fail_total

Description Alloc Fail - Total

Type: number

Format: counter

bad_connection_preface

Description Bad Connection Preface

Type: number

Format: counter

bad_frame_type_for_stream_state

Description Bad frame type for stream state

Type: number

Format: counter

buff_alloc_error

Description Buff alloc error

Type: number

Format: counter

cancel

Description cancel

Type: number

Format: counter

cant_allocate_control_frame

Description Cant allocate control frame

Type: number

Format: counter

cant_allocate_goaway_frame

Description Cant allocate GOAWAY frame

Type: number

Format: counter

cant_allocate_ping_frame

Description Cant allocate PING frame

Type: number

Format: counter

cant_allocate_rst_frame

Description Cant allocate RST_STREAM frame

Type: number

Format: counter

cant_allocate_settings_frame

Description Cant allocate SETTINGS frame

Type: number

Format: counter

cant_allocate_stream

Description Cant allocate stream

Type: number

Format: counter

cant_allocate_window_frame

Description Cant allocate WINDOW_UPDATE frame

Type: number

Format: counter

closed_state_unexpected_frame

Description Unexpected frame received in closed state

Type: number

Format: counter

compression_error

Description compression error

Type: number

Format: counter

connect_error

Description connect error

Type: number

Format: counter

connection_preface_rcvd

Description Connection preface rcvd

Type: number

Format: counter

connection_preface_sent

Description Connection preface sent

Type: number

Format: counter

continuation_before_headers

Description CONTINUATION frame with no headers frame

Type: number

Format: counter

continuation_frame

Description CONTINUATION Frame Rcvd

Type: number

Format: counter

continuation_frame_sent

Description CONTINUATION Frame Sent

Type: number

Format: counter

control_bytes_received

Description HTTP/2 control frame bytes received

Type: number

Format: counter

control_bytes_sent

Description HTTP/2 control frame bytes sent

Type: number

Format: counter

control_frame

Description Control Frame Rcvd

Type: number

Format: counter

control_frame_sent

Description Control Frame Sent

Type: number

Format: counter

curr_proxy

Description Curr Proxy Conns

Type: number

Format: counter

current_stream

Description Current Streams

Type: number

Format: counter

data_bytes_received

Description HTTP/2 data bytes received

Type: number

Format: counter

data_bytes_sent

Description HTTP/2 data bytes sent

Type: number

Format: counter

data_frame

Description DATA Frame Recvd

Type: number

Format: counter

data_frame_sent

Description DATA Frame Sent

Type: number

Format: counter

data_no_stream

Description DATA Frame Rcvd on non-existent stream

Type: number

Format: counter

data_queue_alloc_error

Description Data Queue Alloc Error

Type: number

Format: counter

data_to_app

Description DATA Frame to HTTP

Type: number

Format: counter

deflate_alloc_fail

Description deflate alloc fail

Type: number

Format: counter

empty_settings_rcvd

Description Empty SETTINGS Frame Rcvd

Type: number

Format: counter

empty_settings_sent

Description Empty SETTINGS Frame Sent

Type: number

Format: counter

end_stream_rcvd

Description End Stream Recieved

Type: number

Format: counter

end_stream_sent

Description End Stream Sent

Type: number

Format: counter

enhance_your_calm

Description enhance your calm error

Type: number

Format: counter

err_rcvd_total

Description Error Rcvd - Total

Type: number

Format: counter

err_sent_cancel

Description Error Sent - CANCEL

Type: number

Format: counter

err_sent_compression_err

Description Error Sent - COMPRESSION_ERROR

Type: number

Format: counter

err_sent_connect_err

Description Error Sent - CONNECT_ERROR

Type: number

Format: counter

err_sent_flow_control

Description Error Sent - FLOW_CONTROL_ERROR

Type: number

Format: counter

err_sent_frame_size_err

Description Error Sent - FRAME_SIZE_ERROR

Type: number

Format: counter

err_sent_http11_required

Description Error Sent - HTTP_1_1_REQUIRED

Type: number

Format: counter

err_sent_inadequate_security

Description Error Sent - INADEQUATE_SECURITY

Type: number

Format: counter

err_sent_internal_err

Description Error Sent - INTERNAL_ERROR

Type: number

Format: counter

err_sent_proto_err

Description Error Sent - PROTOCOL_ERROR

Type: number

Format: counter

err_sent_refused_stream

Description Error Sent - REFUSED_STREAM

Type: number

Format: counter

err_sent_setting_timeout

Description Error Sent - SETTINGS_TIMEOUT

Type: number

Format: counter

err_sent_stream_closed

Description Error Sent - STREAM_CLOSED

Type: number

Format: counter

err_sent_total

Description Error Rent - Total

Type: number

Format: counter

err_sent_your_calm

Description Error Sent - ENHANCE_YOUR_CALM

Type: number

Format: counter

error_max_invalid_stream

Description Max Invalid Stream Rcvd

Type: number

Format: counter

exceeds_max_window_size_stream

Description Window Update with increment that results in exceeding max window

Type: number

Format: counter

flow_control_error

Description Flow Control Error

Type: number

Format: counter

frame_flood_detected

Description frame flood detected

Type: number

Format: counter

frame_header_bytes_received

Description frame header bytes received

Type: number

Format: counter

frame_header_bytes_sent

Description frame header bytes sent

Type: number

Format: counter

frame_size_error

Description Frame Size Error

Type: number

Format: counter

goaway_frame

Description GOAWAY Frame Rcvd

Type: number

Format: counter

goaway_frame_sent

Description GOAWAY Frame Sent

Type: number

Format: counter

half_closed_remote_state_unexpected_frame

Description Unexpected frame received in half closed remote state

Type: number

Format: counter

header_bytes_received

Description HTTP/2 header bytes received

Type: number

Format: counter

header_bytes_sent

Description HTTP/2 header bytes sent

Type: number

Format: counter

header_no_stream

Description header no stream

Type: number

Format: counter

header_padlen_gt_frame_payload

Description Header padlen greater than frame payload size

Type: number

Format: counter

header_to_app

Description HEADER Frame to HTTP

Type: number

Format: counter

headers_after_continuation

Description headers frame before CONTINUATION was complete

Type: number

Format: counter

headers_frame

Description HEADERS Frame Rcvd

Type: number

Format: counter

headers_frame_sent

Description HEADERS Frame Sent

Type: number

Format: counter

headers_interleaved

Description headers interleaved on streams

Type: number

Format: counter

http2_rejected

Description HTTP2 Rejected

Type: number

Format: counter

http_1_1_required

Description HTTP1.1 Required

Type: number

Format: counter

idle_state_unexpected_frame

Description Unxpected frame received in idle state

Type: number

Format: counter

inadequate_security

Description inadequate security

Type: number

Format: counter

inflate_alloc_fail

Description inflate alloc fail

Type: number

Format: counter

inflate_header_fail

Description Inflate Header Fail

Type: number

Format: counter

internal_error

Description Internal Error

Type: number

Format: counter

invalid_frame_during_headers

Description frame before headers were complete

Type: number

Format: counter

invalid_frame_size

Description Invalid Frame Size Rcvd

Type: number

Format: counter

invalid_push_promise

Description unexpected PUSH_PROMISE frame

Type: number

Format: counter

invalid_setting_value

Description invalid setting-frame value

Type: number

Format: counter

invalid_stream_id

Description received invalid stream ID

Type: number

Format: counter

invalid_window_update

Description window-update value out of range

Type: number

Format: counter

peak_proxy

Description Peak Proxy Conns

Type: number

Format: counter

ping_frame

Description PING Frame Rcvd

Type: number

Format: counter

ping_frame_sent

Description PING Frame Sent

Type: number

Format: counter

priority_frame

Description PRIORITY Frame Rcvd

Type: number

Format: counter

priority_frame_sent

Description PRIORITY Frame Sent

Type: number

Format: counter

protocol_error

Description Protocol Error

Type: number

Format: counter

proxy_alloc_error

Description HTTP2 Proxy alloc Error

Type: number

Format: counter

push_promise_frame_sent

Description Push Promise Frame Sent

Type: number

Format: counter

refused_stream

Description Refused Stream

Type: number

Format: counter

reserved_local_state_unexpected_frame

Description Unexpected frame received in reserved local state

Type: number

Format: counter

reserved_remote_state_unexpected_frame

Description Unexpected frame received in reserved remote state

Type: number

Format: counter

rst_frame_rcvd

Description RST_STREAM Frame Rcvd

Type: number

Format: counter

rst_frame_sent

Description RST_STREAM Frame Sent

Type: number

Format: counter

settings_ack_rcvd

Description SETTINGS ACK Frame Rcvd

Type: number

Format: counter

settings_ack_sent

Description SETTINGS ACK Frame Sent

Type: number

Format: counter

settings_frame

Description SETTINGS Frame Rcvd

Type: number

Format: counter

settings_frame_sent

Description SETTINGS Frame Sent

Type: number

Format: counter

settings_timeout

Description Settings Timeout

Type: number

Format: counter

split_buff_fail

Description Splitting Buffer Failed

Type: number

Format: counter

stream_cancel_flood_detected

Description stream cancel flood detected

Type: number

Format: counter

stream_closed

Description stream closed

Type: number

Format: counter

stream_create

Description Stream Create

Type: number

Format: counter

stream_free

Description Stream Free

Type: number

Format: counter

streams_gt_max_concur_streams

Description Streams greater than max allowed concurrent streams

Type: number

Format: counter

total_bytes_received

Description HTTP/2 total bytes received

Type: number

Format: counter

total_bytes_sent

Description HTTP/2 total bytes sent

Type: number

Format: counter

total_proxy

Description Total Proxy Conns

Type: number

Format: counter

trailers_no_end_stream

Description trailers not marked as end-of-stream

Type: number

Format: counter

transaction_limited

Description transaction_limited

Type: number

Format: counter

unknown_frame

Description Unknown Frame Recvd

Type: number

Format: counter

window_update_frame

Description WINDOW_UPDATE Frame Rcvd

Type: number

Format: counter

window_update_frame_sent

Description WINDOW_UPDATE Frame Sent

Type: number

Format: counter

wrong_stream_state

Description Wrong Stream State

Type: number

Format: counter

zero_window_size_on_stream

Description Window Update with zero increment rcvd

Type: number

Format: counter

2.120.85 slb http3

Configure http3

http3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http3
Element URI	/axapi/v3/slb/http3
Element Attributes	http3_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/http3/stats
Schema	`http3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http3

http3 attributes

Get Object

GET

/axapi/v3/slb/http3

http3 attributes

Modify Object

POST

/axapi/v3/slb/http3

http3 attributes

Replace Object

PUT

/axapi/v3/slb/http3

http3 attributes

Delete Object

DELETE

/axapi/v3/slb/http3

http3 attributes

http3 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client_conn_curr': Current HTTP/3 Client Connections; 'server_conn_curr': Current HTTP/3 Server Connections; 'client_conn_total': Total HTTP/3 Client Connections; 'server_conn_total': Total HTTP/3 Server Connections; 'client_conn_peak': Peak HTTP/3 Client Connections; 'server_conn_peak': Peak HTTP/3 Server Connections; 'client_request_streams_curr': Current Request Streams on client side; 'server_request_streams_curr': Current Request Streams on server side; 'client_request_streams_total': Total Request Streams on client side; 'server_request_streams_total': Total Request Streams on server side; 'client_request_push_curr': Current Push Streams on client side; 'server_request_push_curr': Current Push Streams on server side; 'client_request_push_total': Total Push Streams on client side; 'server_request_push_total': Total Push Streams on server side; 'client_request_other_curr': Current Other Streams on client side (control, decoder, encoder); 'server_request_other_curr': urrent Other Streams on server side (control, decoder, encoder); 'client_request_other_total': Total Other Streams on client side (control, decoder, encoder); 'server_request_other_total': Total Other Streams on server side (control, decoder, encoder); 'client_frame_type_headers_rcvd': HEADERS Frame received on client side; 'client_frame_type_headers_sent': HEADERS Frame sent on client side; 'client_frame_type_data_rcvd': DATA Frame received on client side; 'client_frame_type_data_sent': DATA Frame sent on client side; 'client_frame_type_cancel_push_rcvd': CANCEL PUSH Frame received on client side; 'client_frame_type_cancel_push_sent': CANCEL PUSH Frame sent on client side; 'client_frame_type_settings_rcvd': SETTINGS Frame received on client side; 'client_frame_type_settings_sent': SETTINGS Frame sent on client side; 'client_frame_type_push_promise_rcvd': PUSH PROMISE Frame received

on client side; 'client_frame_type_push_promise_sent': PUSH PROMISE Frame sent on client side; 'client_frame_type_goaway_rcvd': GOAWAY Frame received on client side; 'client_frame_type_goaway_sent': GOAWAY Frame sent on client side; 'client_frame_type_max_push_id_rcvd': MAX PUSH ID Frame received on client side; 'client_frame_type_max_push_id_sent': MAX PUSH ID Frame sent on client side; 'client_frame_type_unknown_rcvd': Unknown Frame received on client side; 'client_header_frames_to_app': HEADER Frames passed to HTTP layer on client side; 'client_data_frames_to_app': DATA Frames passed to HTTP layer on client side; 'client_header_bytes_rcvd': Bytes received in HEADER frames on client side; 'client_header_bytes_sent': Bytes sent in HEADER frames on client side; 'client_data_bytes_rcvd': Bytes received in DATA frames on client side; 'client_data_bytes_sent': Bytes sent in DATA frames on client side; 'client_other_frame_bytes_rcvd': Bytes received in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on client side; 'client_other_frame_bytes_sent': Bytes sent in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on client side; 'client_heading_bytes_rcvd': Bytes received in HEADERS/DATA frame/stream heading on client side; 'client_heading_bytes_sent': Bytes sent in HEADERS/DATA frame/stream heading on client side; 'client_total_bytes_rcvd': Total Bytes received on client side; 'client_total_bytes_sent': Total Bytes sent on client side; 'server_frame_type_headers_rcvd': HEADERS Frame received on server side; 'server_frame_type_headers_sent': HEADERS Frame sent on server side; 'server_frame_type_data_rcvd': DATA Frame received on server side; 'server_frame_type_data_sent': DATA Frame sent on server side; 'server_frame_type_cancel_push_rcvd': CANCEL PUSH Frame received on server side; 'server_frame_type_cancel_push_sent': CANCEL PUSH Frame sent on server side; 'server_frame_type_settings_rcvd': SETTINGS Frame received on server side; 'server_frame_type_settings_sent': SETTINGS Frame sent on server side; 'server_frame_type_push_promise_rcvd': PUSH PROMISE Frame received on server side; 'server_frame_type_push_promise_sent': PUSH PROMISE Frame sent on server side; 'server_frame_type_goaway_rcvd': GOAWAY Frame received on server side; 'server_frame_type_goaway_sent': GOAWAY Frame sent on server side; 'server_frame_type_max_push_id_rcvd': MAX PUSH ID Frame received on server side; 'server_frame_type_max_push_id_sent': MAX PUSH ID Frame sent on server side; 'server_frame_type_unknown_rcvd': Unknown Frame received on server side; 'server_header_frames_to_app': HEADER Frames passed to HTTP layer on server side; 'server_data_frames_to_app': DATA Frames passed to HTTP layer on server side; 'server_header_bytes_rcvd': Bytes received in HEADER frames on server side; 'server_header_bytes_sent': Bytes sent in HEADER frames on server side; 'server_data_bytes_rcvd': Bytes received in DATA frames on server side; 'server_data_bytes_sent': Bytes sent in DATA frames on server side; 'server_other_frame_bytes_rcvd': Bytes received in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on server side; 'server_other_frame_bytes_sent': Bytes sent in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on server side; 'server_heading_bytes_rcvd': Bytes received in HEADERS/DATA frame/stream heading on server side; 'server_heading_bytes_sent': Bytes sent in HEADERS/DATA frame/stream heading on server side; 'server_total_bytes_rcvd': Total Bytes received on server side; 'server_total_bytes_sent': Total Bytes sent on server side; 'invalid_argument': Invalid Argument; 'invalid_state': Invalid State; 'wouldblock': Wouldblock; 'stream_in_use': Stream In Use; 'push_id_blocked': Push Id Blocked; 'malformed_http_header': Malformed Http Header; 'remove_http_header': Remove Http Header; 'malformed_http_messaging': Malformed Http Messaging; 'too_late': Too Late; 'qpack_fatal': Qpack Fatal; 'qpack_header_too_large': Qpack Header Too Large; 'ignore_stream': Ignore Stream; 'stream_not_found': Stream Not Found; 'ignore_push_promise': Ignore Push Promise; 'qpack_decompression_failed': Qpack Decompression Failed; 'qpack_encoder_stream_error': Qpack Encoder Stream Error; 'qpack_decoder_stream_error': Qpack Decoder Stream Error; 'h3_frame_unexpected': H3

Frame Unexpected; 'h3_frame_error': H3 Frame Error; 'h3_missing_settings': H3 Missing Settings; 'h3_internal_error': H3 Internal Error; 'h3_closed_critical_stream': H3 Closed Critical Stream; 'h3_general_protocol_error': H3 General Protocol Error; 'h3_id_error': H3 Id Error; 'h3_settings_error': H3 Settings Error; 'h3_stream_creation_error': H3 Stream Creation Error; 'fatal': Fatal Error; 'conn_alloc_error': HTTP/3 Connection Allocation Error; 'alloc_fail_total': Memory Allocation Failures; 'http3_rejected': HTTP3 Rejected;

Type: string

Supported Values: all, client_conn_curr, server_conn_curr, client_conn_total, server_conn_total, client_conn_peak, server_conn_peak, client_request_streams_curr, server_request_streams_curr, client_request_streams_total, server_request_streams_total, client_request_push_curr, server_request_push_curr, client_request_push_total, server_request_push_total, client_request_other_curr, server_request_other_curr, client_request_other_total, server_request_other_total, client_frame_type_headers_rcvd, client_frame_type_headers_sent, client_frame_type_data_rcvd, client_frame_type_data_sent, client_frame_type_cancel_push_rcvd, client_frame_type_cancel_push_sent, client_frame_type_settings_rcvd, client_frame_type_settings_sent, client_frame_type_push_promise_rcvd, client_frame_type_push_promise_sent, client_frame_type_goaway_rcvd, client_frame_type_goaway_sent, client_frame_type_max_push_id_rcvd, client_frame_type_max_push_id_sent, client_frame_type_unknown_rcvd, client_header_frames_to_app, client_data_frames_to_app, client_header_bytes_rcvd, client_header_bytes_sent, client_data_bytes_rcvd, client_data_bytes_sent, client_other_frame_bytes_rcvd, client_other_frame_bytes_sent, client_heading_bytes_rcvd, client_heading_bytes_sent, client_total_bytes_rcvd, client_total_bytes_sent, server_frame_type_headers_rcvd, server_frame_type_headers_sent, server_frame_type_data_rcvd, server_frame_type_data_sent, server_frame_type_cancel_push_rcvd, server_frame_type_cancel_push_sent, server_frame_type_settings_rcvd, server_frame_type_settings_sent, server_frame_type_push_promise_rcvd, server_frame_type_push_promise_sent, server_frame_type_goaway_rcvd, server_frame_type_goaway_sent, server_frame_type_max_push_id_rcvd, server_frame_type_max_push_id_sent, server_frame_type_unknown_rcvd, server_header_frames_to_app, server_data_frames_to_app, server_header_bytes_rcvd, server_header_bytes_sent, server_data_bytes_rcvd, server_data_bytes_sent, server_other_frame_bytes_rcvd, server_other_frame_bytes_sent, server_heading_bytes_rcvd, server_heading_bytes_sent, server_total_bytes_rcvd, server_total_bytes_sent, invalid_argument, invalid_state, wouldblock, stream_in_use, push_id_blocked, malformed_http_header, remove_http_header, malformed_http_messaging, too_late, qpack_fatal, qpack_header_too_large, ignore_stream, stream_not_found, ignore_push_promise, qpack_decompression_failed, qpack_encoder_stream_error, qpack_decoder_stream_error, h3_frame_unexpected, h3_frame_error, h3_missing_settings, h3_internal_error, h3_closed_critical_stream, h3_general_protocol_error, h3_id_error, h3_settings_error, h3_stream_creation_error, fatal, conn_alloc_error, alloc_fail_total, http3_rejected

2.120.86 slb http3 stats

Statistics for the object http3

http3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http3
Element URI	/axapi/v3/slb/http3/stats
Element Attributes	http3_attributes
Partition Visibility	None
Schema	`http3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http3/stats

http3 attributes

Get Object

GET

/axapi/v3/slb/http3/stats

http3 attributes

Modify Object

POST

/axapi/v3/slb/http3/stats

http3 attributes

Replace Object

PUT

/axapi/v3/slb/http3/stats

http3 attributes

Delete Object

DELETE

/axapi/v3/slb/http3/stats

http3 attributes

http3 attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

alloc_fail_total

Description Memory Allocation Failures

Type: number

Format: counter

client_conn_curr

Description Current HTTP/3 Client Connections

Type: number

Format: counter

client_conn_peak

Description Peak HTTP/3 Client Connections

Type: number

Format: counter

client_conn_total

Description Total HTTP/3 Client Connections

Type: number

Format: counter

client_data_bytes_rcvd

Description Bytes received in DATA frames on client side

Type: number

Format: counter

client_data_bytes_sent

Description Bytes sent in DATA frames on client side

Type: number

Format: counter

client_data_frames_to_app

Description DATA Frames passed to HTTP layer on client side

Type: number

Format: counter

client_frame_type_cancel_push_rcvd

Description CANCEL PUSH Frame received on client side

Type: number

Format: counter

client_frame_type_cancel_push_sent

Description CANCEL PUSH Frame sent on client side

Type: number

Format: counter

client_frame_type_data_rcvd

Description DATA Frame received on client side

Type: number

Format: counter

client_frame_type_data_sent

Description DATA Frame sent on client side

Type: number

Format: counter

client_frame_type_goaway_rcvd

Description GOAWAY Frame received on client side

Type: number

Format: counter

client_frame_type_goaway_sent

Description GOAWAY Frame sent on client side

Type: number

Format: counter

client_frame_type_headers_rcvd

Description HEADERS Frame received on client side

Type: number

Format: counter

client_frame_type_headers_sent

Description HEADERS Frame sent on client side

Type: number

Format: counter

client_frame_type_max_push_id_rcvd

Description MAX PUSH ID Frame received on client side

Type: number

Format: counter

client_frame_type_max_push_id_sent

Description MAX PUSH ID Frame sent on client side

Type: number

Format: counter

client_frame_type_push_promise_rcvd

Description PUSH PROMISE Frame received on client side

Type: number

Format: counter

client_frame_type_push_promise_sent

Description PUSH PROMISE Frame sent on client side

Type: number

Format: counter

client_frame_type_settings_rcvd

Description SETTINGS Frame received on client side

Type: number

Format: counter

client_frame_type_settings_sent

Description SETTINGS Frame sent on client side

Type: number

Format: counter

client_frame_type_unknown_rcvd

Description Unknown Frame received on client side

Type: number

Format: counter

client_header_bytes_rcvd

Description Bytes received in HEADER frames on client side

Type: number

Format: counter

client_header_bytes_sent

Description Bytes sent in HEADER frames on client side

Type: number

Format: counter

client_header_frames_to_app

Description HEADER Frames passed to HTTP layer on client side

Type: number

Format: counter

client_heading_bytes_rcvd

Description Bytes received in HEADERS/DATA frame/stream heading on client side

Type: number

Format: counter

client_heading_bytes_sent

Description Bytes sent in HEADERS/DATA frame/stream heading on client side

Type: number

Format: counter

client_other_frame_bytes_rcvd

Description Bytes received in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on client side

Type: number

Format: counter

client_other_frame_bytes_sent

Description Bytes sent in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on client side

Type: number

Format: counter

client_request_other_curr

Description Current Other Streams on client side (control, decoder, encoder)

Type: number

Format: counter

client_request_other_total

Description Total Other Streams on client side (control, decoder, encoder)

Type: number

Format: counter

client_request_push_curr

Description Current Push Streams on client side

Type: number

Format: counter

client_request_push_total

Description Total Push Streams on client side

Type: number

Format: counter

client_request_streams_curr

Description Current Request Streams on client side

Type: number

Format: counter

client_request_streams_total

Description Total Request Streams on client side

Type: number

Format: counter

client_total_bytes_rcvd

Description Total Bytes received on client side

Type: number

Format: counter

client_total_bytes_sent

Description Total Bytes sent on client side

Type: number

Format: counter

conn_alloc_error

Description HTTP/3 Connection Allocation Error

Type: number

Format: counter

fatal

Description Fatal Error

Type: number

Format: counter

h3_closed_critical_stream

Description H3 Closed Critical Stream

Type: number

Format: counter

h3_frame_error

Description H3 Frame Error

Type: number

Format: counter

h3_frame_unexpected

Description H3 Frame Unexpected

Type: number

Format: counter

h3_general_protocol_error

Description H3 General Protocol Error

Type: number

Format: counter

h3_id_error

Description H3 Id Error

Type: number

Format: counter

h3_internal_error

Description H3 Internal Error

Type: number

Format: counter

h3_missing_settings

Description H3 Missing Settings

Type: number

Format: counter

h3_settings_error

Description H3 Settings Error

Type: number

Format: counter

h3_stream_creation_error

Description H3 Stream Creation Error

Type: number

Format: counter

http3_rejected

Description HTTP3 Rejected

Type: number

Format: counter

ignore_push_promise

Description Ignore Push Promise

Type: number

Format: counter

ignore_stream

Description Ignore Stream

Type: number

Format: counter

invalid_argument

Description Invalid Argument

Type: number

Format: counter

invalid_state

Description Invalid State

Type: number

Format: counter

malformed_http_header

Description Malformed Http Header

Type: number

Format: counter

malformed_http_messaging

Description Malformed Http Messaging

Type: number

Format: counter

push_id_blocked

Description Push Id Blocked

Type: number

Format: counter

qpack_decoder_stream_error

Description Qpack Decoder Stream Error

Type: number

Format: counter

qpack_decompression_failed

Description Qpack Decompression Failed

Type: number

Format: counter

qpack_encoder_stream_error

Description Qpack Encoder Stream Error

Type: number

Format: counter

qpack_fatal

Description Qpack Fatal

Type: number

Format: counter

qpack_header_too_large

Description Qpack Header Too Large

Type: number

Format: counter

remove_http_header

Description Remove Http Header

Type: number

Format: counter

server_conn_curr

Description Current HTTP/3 Server Connections

Type: number

Format: counter

server_conn_peak

Description Peak HTTP/3 Server Connections

Type: number

Format: counter

server_conn_total

Description Total HTTP/3 Server Connections

Type: number

Format: counter

server_data_bytes_rcvd

Description Bytes received in DATA frames on server side

Type: number

Format: counter

server_data_bytes_sent

Description Bytes sent in DATA frames on server side

Type: number

Format: counter

server_data_frames_to_app

Description DATA Frames passed to HTTP layer on server side

Type: number

Format: counter

server_frame_type_cancel_push_rcvd

Description CANCEL PUSH Frame received on server side

Type: number

Format: counter

server_frame_type_cancel_push_sent

Description CANCEL PUSH Frame sent on server side

Type: number

Format: counter

server_frame_type_data_rcvd

Description DATA Frame received on server side

Type: number

Format: counter

server_frame_type_data_sent

Description DATA Frame sent on server side

Type: number

Format: counter

server_frame_type_goaway_rcvd

Description GOAWAY Frame received on server side

Type: number

Format: counter

server_frame_type_goaway_sent

Description GOAWAY Frame sent on server side

Type: number

Format: counter

server_frame_type_headers_rcvd

Description HEADERS Frame received on server side

Type: number

Format: counter

server_frame_type_headers_sent

Description HEADERS Frame sent on server side

Type: number

Format: counter

server_frame_type_max_push_id_rcvd

Description MAX PUSH ID Frame received on server side

Type: number

Format: counter

server_frame_type_max_push_id_sent

Description MAX PUSH ID Frame sent on server side

Type: number

Format: counter

server_frame_type_push_promise_rcvd

Description PUSH PROMISE Frame received on server side

Type: number

Format: counter

server_frame_type_push_promise_sent

Description PUSH PROMISE Frame sent on server side

Type: number

Format: counter

server_frame_type_settings_rcvd

Description SETTINGS Frame received on server side

Type: number

Format: counter

server_frame_type_settings_sent

Description SETTINGS Frame sent on server side

Type: number

Format: counter

server_frame_type_unknown_rcvd

Description Unknown Frame received on server side

Type: number

Format: counter

server_header_bytes_rcvd

Description Bytes received in HEADER frames on server side

Type: number

Format: counter

server_header_bytes_sent

Description Bytes sent in HEADER frames on server side

Type: number

Format: counter

server_header_frames_to_app

Description HEADER Frames passed to HTTP layer on server side

Type: number

Format: counter

server_heading_bytes_rcvd

Description Bytes received in HEADERS/DATA frame/stream heading on server side

Type: number

Format: counter

server_heading_bytes_sent

Description Bytes sent in HEADERS/DATA frame/stream heading on server side

Type: number

Format: counter

server_other_frame_bytes_rcvd

Description Bytes received in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on server side

Type: number

Format: counter

server_other_frame_bytes_sent

Description Bytes sent in other frames (SETTINGS, GOAWAY, PUSH_PROMISE etc) on server side

Type: number

Format: counter

server_request_other_curr

Description urrent Other Streams on server side (control, decoder, encoder)

Type: number

Format: counter

server_request_other_total

Description Total Other Streams on server side (control, decoder, encoder)

Type: number

Format: counter

server_request_push_curr

Description Current Push Streams on server side

Type: number

Format: counter

server_request_push_total

Description Total Push Streams on server side

Type: number

Format: counter

server_request_streams_curr

Description Current Request Streams on server side

Type: number

Format: counter

server_request_streams_total

Description Total Request Streams on server side

Type: number

Format: counter

server_total_bytes_rcvd

Description Total Bytes received on server side

Type: number

Format: counter

server_total_bytes_sent

Description Total Bytes sent on server side

Type: number

Format: counter

stream_in_use

Description Stream In Use

Type: number

Format: counter

stream_not_found

Description Stream Not Found

Type: number

Format: counter

too_late

Description Too Late

Type: number

Format: counter

wouldblock

Description Wouldblock

Type: number

Format: counter

2.120.87 slb http-proxy

Configure HTTP Proxy global

http-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http-proxy
Element URI	/axapi/v3/slb/http-proxy
Element Attributes	http-proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/http-proxy/stats
Operational Data URI	/axapi/v3/slb/http-proxy/oper
Schema	`http-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http-proxy

http-proxy attributes

```
POST /axapi/v3/slb/http-proxy
Payload:
{
    "http-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/http-proxy

http-proxy attributes

```
GET /axapi/v3/slb/http-proxy
Reponse:
{
    "http-proxy": {
        "uuid": "5172d8cc-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/http-proxy"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/slb/http-proxy

http-proxy attributes

Replace Object

PUT

/axapi/v3/slb/http-proxy

http-proxy attributes

```
PUT /axapi/v3/slb/http-proxy
Payload:
{
    "http-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/http-proxy

http-proxy attributes

```
DELETE /axapi/v3/slb/http-proxy
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

http-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'req': HTTP requests; 'req_succ': HTTP requests(succ); 'noproxy': No proxy error; 'client_rst': Client RST; 'server_rst': Server RST; 'notuple': No tuple error; 'parsereq_fail': Parse req fail; 'svrsel_fail': Server selection fail; 'fwdreq_fail': Fwd req fail; 'fwdreq_fail_buff': Fwd req fail - buff; 'fwdreq_fail_rport': Fwd req fail - rport; 'fwdreq_fail_route': Fwd req fail - route; 'fwdreq_fail_persist': Fwd req fail - persist; 'fwdreq_fail_server': Fwd req fail - server; 'fwdreq_fail_tuple': Fwd req fail - tuple; 'fwdreqdata_fail': some help string; 'req_retran': Packets retrans; 'req_ofo': Packets ofo; 'server_resel': Server reselection; 'svr_prem_close': Server premature close; 'new_svrconn': Server conn made; 'snat_fail': Source NAT failure; 'tcpoutrst': Out RSTs; 'full_proxy': Full proxy tot; 'full_proxy_post': Full proxy POST; 'full_proxy_pipeline': Full proxy pipeline; 'full_proxy_fpga_err': Full proxy fpga err; 'req_over_limit': Request over limit; 'req_rate_over_limit': Request rate over limit; 'l4_switching': L4 switching; 'cookie_switching': Cookie switching; 'aflex_switching': aFleX switching; 'http_policy_switching': HTTP Policy switching; 'url_switching': URL switching; 'host_switching': Host switching; 'lb_switching': Normal LB switching; 'l4_switching_ok': L4 switching (succ); 'cookie_switching_ok': Cookie switching (succ); 'aflex_switching_ok': aFleX switching (succ); 'http_policy_switching_ok': HTTP Policy switching (succ); 'url_switching_ok': URL switching (succ); 'host_switching_ok': Host switching (succ); 'lb_switching_ok': Normal LB switch. (succ); 'l4_switching_enqueue': L4 switching (enQ); 'cookie_switching_enqueue': Cookie switching (enQ); 'aflex_switching_enqueue': aFleX switching (enQ); 'http_policy_switching_enqueue': HTTP Policy switching (enQ); 'url_switching_enqueue': URL switching (enQ); 'host_switching_enqueue': Host switching (enQ); 'lb_switching_enqueue': Normal LB switch. (enQ); 'retry_503': Retry on 503; 'aflex_retry': aFleX http retry; 'aflex_lb_reselect': aFleX lb reselect; 'aflex_lb_reselect_ok': aFleX lb reselect (succ); 'client_rst_request': Client RST - request; 'client_rst_connecting': Client RST - connecting; 'client_rst_connected': Client RST - connected; 'client_rst_response': Client RST - response; 'server_rst_request': Server RST - request; 'server_rst_connecting': Server RST - connecting; 'server_rst_connected': Server RST - connected; 'server_rst_response': Server RST - response; 'invalid_header': Invalid header; 'too_many_headers': Too many headers; 'line_too_long': Line too long;

'header_name_too_long': Header name too long; 'wrong_resp_header': Wrong response header; 'header_insert': Header insert; 'header_delete': Header delete; 'insert_client_ip': Insert client IP; 'negative_req_remain': Negative request remain; 'negative_resp_remain': Negative response remain; 'large_cookie': Large cookies; 'large_cookie_header': Large cookie headers; 'huge_cookie': Huge cookies; 'huge_cookie_header': Huge cookie headers; 'parse_cookie_fail': Parse cookie fail; 'parse_setcookie_fail': Parse set-cookie fail; 'asm_cookie_fail': Assemble cookie fail; 'asm_cookie_header_fail': Asm cookie header fail; 'asm_setcookie_fail': Assemble set-cookie fail; 'asm_setcookie_header_fail': Asm set-cookie hdr fail; 'client_req_unexp_flag': Client req unexp flags; 'connecting_fin': Connecting FIN; 'connecting_fin_retrans': Connecting FIN retran; 'connecting_fin_ofo': Connecting FIN ofo; 'connecting_rst': Connecting RST; 'connecting_rst_retrans': Connecting RST retran; 'connecting_rst_ofo': Connecting RST ofo; 'connecting_ack': Connecting ACK; 'pkts_ofo': Packets ofo; 'pkts_retrans': Packets retrans; 'pkts_retrans_ack_finwait': retrans ACK FWAIT; 'pkts_retrans_fin': retrans FIN; 'pkts_retrans_rst': retrans RST; 'pkts_retrans_push': retrans PSH; 'stale_sess': Stale sess; 'server_resel_failed': Server re-select failed; 'compression_before': Tot data before compress; 'compression_after': Tot data after compress; 'response_1xx': Status code 1XX; 'response_100': Status code 100; 'response_101': Status code 101; 'response_102': Status code 102; 'response_2xx': Status code 2XX; 'response_200': Status code 200; 'response_201': Status code 201; 'response_202': Status code 202; 'response_203': Status code 203; 'response_204': Status code 204; 'response_205': Status code 205; 'response_206': Status code 206; 'response_207': Status code 207; 'response_3xx': Status code 3XX; 'response_300': Status code 300; 'response_301': Status code 301; 'response_302': Status code 302; 'response_303': Status code 303; 'response_304': Status code 304; 'response_305': Status code 305; 'response_306': Status code 306; 'response_307': Status code 307; 'response_4xx': Status code 4XX; 'response_400': Status code 400; 'response_401': Status code 401; 'response_402': Status code 402; 'response_403': Status code 403; 'response_404': Status code 404; 'response_405': Status code 405; 'response_406': Status code 406; 'response_407': Status code 407; 'response_408': Status code 408; 'response_409': Status code 409; 'response_410': Status code 410; 'response_411': Status code 411; 'response_412': Status code 412; 'response_413': Status code 413; 'response_414': Status code 414; 'response_415': Status code 415; 'response_416': Status code 416; 'response_417': Status code 417; 'response_418': Status code 418; 'response_422': Status code 422; 'response_423': Status code 423; 'response_424': Status code 424; 'response_425': Status code 425; 'response_426': Status code 426; 'response_449': Status code 449; 'response_450': Status code 450; 'response_5xx': Status code 5XX; 'response_500': Status code 500; 'response_501': Status code 501; 'response_502': Status code 502; 'response_503': Status code 503; 'response_504': Status code 504; 'response_505': Status code 505; 'response_506': Status code 506; 'response_507': Status code 507; 'response_508': Status code 508; 'response_509': Status code 509; 'response_510': Status code 510; 'response_6xx': Status code 6XX; 'response_unknown': Status code unknown; 'req_http10': Request 1.0; 'req_http11': Request 1.1; 'response_http10': Resp 1.0; 'response_http11': Resp 1.1; 'req_get': Method GET; 'req_head': Method HEAD; 'req_put': Method PUT; 'req_post': Method POST; 'req_trace': Method TRACE; 'req_options': Method OPTIONS; 'req_connect': Method CONNECT; 'req_delete': Method DELETE; 'req_unknown': Method UNKNOWN; 'req_content_len': Req content len; 'rsp_content_len': Resp content len; 'rsp_chunk': Resp chunk encoding; 'req_chunk': Req chunk encoding; 'compress_rsp': Compress req; 'compress_del_accept_enc': Compress del accept enc; 'compress_resp_already_compressed': Resp already compressed; 'compress_content_type_excluded': Compress cont type excl; 'compress_no_content_type': Compress no cont type; 'compress_resp_lt_min': Compress resp less than min; 'compress_resp_no_cl_or_ce': Compress resp no CL/CE; 'compress_ratio_too_high': Compress ratio too high; 'cache_rsp': HTTP req (cache succ); 'close_on_ddos': Close on DDoS; 'req_http10_keepalive': 1.0 Keepalive; 'req_sz_1k': Req less than equal to 1K; 'req_sz_2k': Req less than equal to 2K;

Type: string

Supported Values: all, num, curr_proxy, total_proxy, req, req_succ, noproxy, client_rst, server_rst, notuple, parsereq_fail, svrsel_fail, fwdreq_fail, fwdreq_fail_buff, fwdreq_fail_rport, fwdreq_fail_route, fwdreq_fail_persist, fwdreq_fail_server, fwdreq_fail_tuple, fwdreqdata_fail, req_retran, req_ofo, server_resel, svr_prem_close, new_svrconn, snat_fail, tcpoutrst, full_proxy, full_proxy_post, full_proxy_pipeline, full_proxy_fpga_err, req_over_limit, req_rate_over_limit, l4_switching, cookie_switching, aflex_switching, http_policy_switching, url_switching, host_switching, lb_switching, l4_switching_ok, cookie_switching_ok, aflex_switching_ok, http_policy_switching_ok, url_switching_ok, host_switching_ok, lb_switching_ok, l4_switching_enqueue, cookie_switching_enqueue, aflex_switching_enqueue, http_policy_switching_enqueue, url_switching_enqueue, host_switching_enqueue, lb_switching_enqueue, retry_503, aflex_retry, aflex_lb_reselect, aflex_lb_reselect_ok, client_rst_request, client_rst_connecting, client_rst_connected, client_rst_response, server_rst_request, server_rst_connecting, server_rst_connected, server_rst_response, invalid_header, too_many_headers, line_too_long, header_name_too_long, wrong_resp_header, header_insert, header_delete, insert_client_ip, negative_req_remain, negative_resp_remain, large_cookie, large_cookie_header, huge_cookie, huge_cookie_header, parse_cookie_fail, parse_setcookie_fail, asm_cookie_fail, asm_cookie_header_fail, asm_setcookie_fail, asm_setcookie_header_fail, client_req_unexp_flag, connecting_fin, connecting_fin_retrans, connecting_fin_ofo, connecting_rst, connecting_rst_retrans, connecting_rst_ofo, connecting_ack, pkts_ofo, pkts_retrans, pkts_retrans_ack_finwait, pkts_retrans_fin, pkts_retrans_rst, pkts_retrans_push, stale_sess, server_resel_failed, compression_before, compression_after, response_1xx, response_100, response_101, response_102, response_2xx, response_200, response_201, response_202, response_203, response_204, response_205, response_206, response_207, response_3xx, response_300, response_301, response_302, response_303, response_304, response_305, response_306, response_307, response_4xx, response_400, response_401, response_402, response_403, response_404, response_405, response_406, response_407, response_408, response_409, response_410, response_411, response_412, response_413, response_414, response_415, response_416, response_417, response_418, response_422, response_423, response_424, response_425, response_426, response_449, response_450, response_5xx, response_500, response_501, response_502, response_503, response_504, response_505, response_506, response_507, response_508, response_509, response_510, response_6xx, response_unknown, req_http10, req_http11, response_http10, response_http11, req_get, req_head, req_put, req_post, req_trace, req_options, req_connect, req_delete, req_unknown, req_content_len, rsp_content_len, rsp_chunk, req_chunk, compress_rsp, compress_del_accept_enc, compress_resp_already_compressed, compress_content_type_excluded, compress_no_content_type, compress_resp_lt_min, compress_resp_no_cl_or_ce, compress_ratio_too_high, cache_rsp, close_on_ddos, req_http10_keepalive, req_sz_1k, req_sz_2k, req_sz_4k

counters2

Description 'req_sz_4k': Req less than equal to 4K; 'req_sz_8k': Req less than equal to 8K; 'req_sz_16k': Req less than equal to 16K; 'req_sz_32k': Req less than equal to 32K; 'req_sz_64k': Req less than equal to 64K; 'req_sz_256k': Req less than equal to 256K; 'req_sz_gt_256k': Req greater than 256K; 'rsp_sz_1k': Resp less than equal to 1K; 'rsp_sz_2k': Resp less than equal to 2K; 'rsp_sz_4k': Resp less than equal to 4K; 'rsp_sz_8k': Resp less than equal to 8K; 'rsp_sz_16k': Resp less than equal to 16K; 'rsp_sz_32k': Resp less than equal to 32K; 'rsp_sz_64k': Resp less than equal to 64K; 'rsp_sz_256k': Resp less than equal to 256K; 'rsp_sz_gt_256k': Resp greater than 256K; 'chunk_sz_512': Chunk less than equal to 512; 'chunk_sz_1k': Chunk less than equal to 1K; 'chunk_sz_2k': Chunk less than equal to 2K; 'chunk_sz_4k': Chunk less than equal to 4K; 'chunk_sz_gt_4k': Chunk greater than 4K; 'pconn_connecting': pconn connecting; 'pconn_connected': pconn connected;

‘pconn_connecting_failed’: pconn conn failed; ‘chunk_bad’: Bad Chunk; ‘req_10u’: Rsp time less than 10u; ‘req_20u’: Rsp time less than 20u; ‘req_50u’: Rsp time less than 50u; ‘req_100u’: Rsp time less than 100u; ‘req_200u’: Rsp time less than 200u; ‘req_500u’: Rsp time less than 500u; ‘req_1m’: Rsp time less than 1m; ‘req_2m’: Rsp time less than 2m; ‘req_5m’: Rsp time less than 5m; ‘req_10m’: Rsp time less than 10m; ‘req_20m’: Rsp time less than 20m; ‘req_50m’: Rsp time less than 50m; ‘req_100m’: Rsp time less than 100m; ‘req_200m’: Rsp time less than 200m; ‘req_500m’: Rsp time less than 500m; ‘req_1s’: Rsp time less than 1s; ‘req_2s’: Rsp time less than 2s; ‘req_5s’: Rsp time less than 5s; ‘req_over_5s’: Rsp time greater than equal to 5s; ‘insert_client_port’: Insert client Port; ‘req_track’: Method TRACK; ‘connect_req’: Total HTTP CONNECT requests; ‘req_enter_ssli’: Total HTTP requests enter SSLi; ‘non_http_bypass’: Non-HTTP bypass; ‘decompression_before’: Tot data before decompress; ‘decompression_after’: Tot data after decompress; ‘req_http2’: Request 2.0; ‘response_http2’: Resp 2.0; ‘req_timeout_retry’: Retry on Req Timeout; ‘req_timeout_close’: Close on Req Timeout; ‘doh_req’: DoH Requests; ‘doh_req_get’: DoH GET Requests; ‘doh_req_post’: DoH POST Requests; ‘doh_non_doh_req’: DoH non DoH Requests; ‘doh_non_doh_req_get’: DoH non DoH GET Requests; ‘doh_non_doh_req_post’: DoH non DoH POST Requests; ‘doh_resp’: DoH Responses; ‘doh_tc_resp’: DoH TC Responses; ‘doh_udp_dns_req’: DoH UDP DNS Requests; ‘doh_udp_dns_resp’: DoH UDP DNS Responses; ‘doh_tcp_dns_req’: DoH TCP DNS Requests; ‘doh_tcp_dns_resp’: DoH TCP DNS Responses; ‘doh_req_send_failed’: DoH Request Send Failed; ‘doh_resp_send_failed’: DoH Response Send Failed; ‘doh_malloc_fail’: DoH Memory alloc failed; ‘doh_req_udp_retry’: DoH UDP Retry; ‘doh_req_udp_retry_fail’: DoH UDP Retry failed; ‘doh_req_tcp_retry’: DoH TCP Retry; ‘doh_req_tcp_retry_fail’: DoH TCP Retry failed; ‘doh_snat_failed’: DoH Source NAT failed; ‘doh_path_not_found’: DoH URI Path not found; ‘doh_get_dns_arg_failed’: DoH GET dns arg not found in uri; ‘doh_get_base64_decode_failed’: DoH GET base64url decode failed; ‘doh_post_content_type_mismatch’: DoH POST content-type not found; ‘doh_post_payload_not_found’: DoH POST payload not found; ‘doh_post_payload_extract_failed’: DoH POST payload extract failed; ‘doh_non_doh_method’: DoH Non DoH HTTP request method rcvd; ‘doh_tcp_send_failed’: DoH serv TCP DNS send failed; ‘doh_udp_send_failed’: DoH serv UDP DNS send failed; ‘doh_query_time_out’: DoH serv Query timed out; ‘doh_dns_query_type_a’: DoH Query type A; ‘doh_dns_query_type_aaaa’: DoH Query type AAAA; ‘doh_dns_query_type_ns’: DoH Query type NS; ‘doh_dns_query_type_cname’: DoH Query type CNAME; ‘doh_dns_query_type_any’: DoH Query type ANY; ‘doh_dns_query_type_srv’: DoH Query type SRV; ‘doh_dns_query_type_mx’: DoH Query type MX; ‘doh_dns_query_type_soa’: DoH Query type SOA; ‘doh_dns_query_type_others’: DoH Query type Others; ‘doh_resp_setup_failed’: DoH Response setup failed; ‘doh_resp_header_alloc_failed’: DoH Resp hdr alloc failed; ‘doh_resp_que_failed’: DoH Resp queue failed; ‘doh_resp_udp_frags’: DoH UDP Frags Rcvd; ‘doh_resp_tcp_frags’: DoH TCP Frags Rcvd; ‘doh_serv_sel_failed’: DoH Server Select Failed; ‘doh_retry_w_tcp’: DoH Retry with TCP SG; ‘doh_get_uri_too_long’: DoH GET URI too long; ‘doh_post_payload_too_large’: DoH POST Payload too large; ‘doh_dns_malformed_query’: DoH DNS Malformed Query; ‘doh_dns_resp_rcode_err_format’: DoH DNS Response rcode ERR_FORMAT; ‘doh_dns_resp_rcode_err_server’: DoH DNS Response rcode ERR_SERVER; ‘doh_dns_resp_rcode_err_name’: DoH DNS Response rcode ERR_NAME; ‘doh_dns_resp_rcode_err_type’: DoH DNS Response rcode ERR_TYPE; ‘doh_dns_resp_rcode_refuse’: DoH DNS Response rcode REFUSE; ‘doh_dns_resp_rcode_yxdomain’: DoH DNS Response rcode YXDOMAIN; ‘doh_dns_resp_rcode_yxrrset’: DoH DNS Response rcode YXRRSET; ‘doh_dns_resp_rcode_nxrrset’: DoH DNS Response rcode NXRRSET; ‘doh_dns_resp_rcode_notauth’: DoH DNS Response rcode NOTAUTH; ‘doh_dns_resp_rcode_notzone’: DoH DNS Response rcode NOTZONE; ‘doh_dns_resp_rcode_other’: DoH DNS Response rcode OTHER; ‘compression_before_br’:

Tot data before brotli compress; 'compression_after_br': Tot data after brotli compress; 'compression_before_total': Tot data before compress; 'compression_after_total': Tot data after compress; 'decompression_before_br': Tot data before brotli decompress; 'decompression_after_br': Tot data after brotli decompress; 'decompression_before_total': Tot data before decompress; 'decompression_after_total': Tot data after decompress; 'compress_rsp_br': Compress req with brotli; 'compress_rsp_total': Compress req; 'h2up_content_length_alias': HTTP2 content length alias; 'malformed_h2up_header_value': Malformed HTTP2 header value; 'malformed_h2up_scheme_value': Malformed HTTP2 scheme value; 'h2up_with_transfer_encoding': HTTP2 with transfer-encoding header; 'multiple_content_length': Multiple content-length headers; 'multiple_transfer_encoding': Multiple transfer-encoding headers; 'transfer_encoding_and_content_length': Transfer-encoding header with Content-Length header; 'get_and_payload': GET method with content-length header or transfer-encoding header; 'h2up_with_host_and_auth': HTTP2 with host header and authority header; 'req_http3': Request 3.0; 'response_http3': Resp 3.0; 'header_filter_rule_hit': Hit header filter rule; 'current_stream': Current Stream; 'stream_create': Stream Created; 'stream_free': Stream Free; 'end_stream_rcvd': End Stream Received; 'end_stream_sent': End Stream Sent; 'http1_client_idle_timeout': HTTP1 client idle timeout; 'http2_client_idle_timeout': HTTP2 client idle timeout;

Type: string

Supported Values: req_sz_8k, req_sz_16k, req_sz_32k, req_sz_64k, req_sz_256k, req_sz_gt_256k, rsp_sz_1k, rsp_sz_2k, rsp_sz_4k, rsp_sz_8k, rsp_sz_16k, rsp_sz_32k, rsp_sz_64k, rsp_sz_256k, rsp_sz_gt_256k, chunk_sz_512, chunk_sz_1k, chunk_sz_2k, chunk_sz_4k, chunk_sz_gt_4k, pconn_connecting, pconn_connected, pconn_connecting_failed, chunk_bad, req_10u, req_20u, req_50u, req_100u, req_200u, req_500u, req_1m, req_2m, req_5m, req_10m, req_20m, req_50m, req_100m, req_200m, req_500m, req_1s, req_2s, req_5s, req_over_5s, insert_client_port, req_track, connect_req, req_enter_ssli, non_http_bypass, decompression_before, decompression_after, req_http2, response_http2, req_timeout_retry, req_timeout_close, doh_req, doh_req_get, doh_req_post, doh_non_doh_req, doh_non_doh_req_get, doh_non_doh_req_post, doh_resp, doh_tc_resp, doh_udp_dns_req, doh_udp_dns_resp, doh_tcp_dns_req, doh_tcp_dns_resp, doh_req_send_failed, doh_resp_send_failed, doh_malloc_fail, doh_req_udp_retry, doh_req_udp_retry_fail, doh_req_tcp_retry, doh_req_tcp_retry_fail, doh_snat_failed, doh_path_not_found, doh_get_dns_arg_failed, doh_get_base64_decode_failed, doh_post_content_type_mismatch, doh_post_payload_not_found, doh_post_payload_extract_failed, doh_non_doh_method, doh_tcp_send_failed, doh_udp_send_failed, doh_query_time_out, doh_dns_query_type_a, doh_dns_query_type_aaaa, doh_dns_query_type_ns, doh_dns_query_type_cname, doh_dns_query_type_any, doh_dns_query_type_srv, doh_dns_query_type_mx, doh_dns_query_type_soa, doh_dns_query_type_others, doh_resp_setup_failed, doh_resp_header_alloc_failed, doh_resp_que_failed, doh_resp_udp_frags, doh_resp_tcp_frags, doh_serv_sel_failed, doh_retry_w_tcp, doh_get_uri_too_long, doh_post_payload_too_large, doh_dns_malformed_query, doh_dns_resp_rcode_err_format, doh_dns_resp_rcode_err_server, doh_dns_resp_rcode_err_name, doh_dns_resp_rcode_err_type, doh_dns_resp_rcode_refuse, doh_dns_resp_rcode_yxdomain, doh_dns_resp_rcode_yxrrset, doh_dns_resp_rcode_nxrrset, doh_dns_resp_rcode_notauth, doh_dns_resp_rcode_notzone, doh_dns_resp_rcode_other, compression_before_br, compression_after_br, compression_before_total, compression_after_total, decompression_before_br, decompression_after_br, decompression_before_total, decompression_after_total, compress_rsp_br, compress_rsp_total, h2up_content_length_alias, malformed_h2up_header_value, malformed_h2up_scheme_value, h2up_with_transfer_encoding, multiple_content_length, multiple_transfer_encoding, transfer_encoding_and_content_length, get_and_payload, h2up_with_host_and_auth, req_http3, response_http3, header_filter_rule_hit, http1_client_idle_timeout, http2_client_idle_timeout,

http_disallowed_methods, http_allowed_methods, upgrade_to_new_proxy, del_h2c_header, req_http11_new_proxy, transaction_limited

2.120.88 slb http-proxy oper

Operational Status for the object http-proxy

http-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http-proxy
Element URI	/axapi/v3/slb/http-proxy/oper
Element Attributes	http-proxy_attributes
Partition Visibility	None
Schema	`http-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http-proxy/oper

http-proxy attributes

Get Object

GET

/axapi/v3/slb/http-proxy/oper

http-proxy attributes

Modify Object

POST

/axapi/v3/slb/http-proxy/oper

http-proxy attributes

Replace Object

PUT

/axapi/v3/slb/http-proxy/oper

http-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/http-proxy/oper

http-proxy attributes

http-proxy attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

debug_fields

Description

Type: boolean

Supported Values: true, false, 1, 0

http-proxy-cpu-list

Type: List

oper_http-proxy-cpu-list

Specification	Value
Type	*list*
Block object keys	

aflex_lb_reselect

Description

Type: number

aflex_lb_reselect_ok

Description

Type: number

aflex_retry

Description

Type: number

aflex_switching

Description

Type: number

aflex_switching_enqueue

Description

Type: number

aflex_switching_ok

Description

Type: number

asm_cookie_fail

Description

Type: number

asm_cookie_header_fail

Description

Type: number

asm_setcookie_fail

Description

Type: number

asm_setcookie_header_fail

Description

Type: number

cache_rsp

Description

Type: number

chunk_bad

Description

Type: number

chunk_sz_1k

Description

Type: number

chunk_sz_2k

Description

Type: number

chunk_sz_4k

Description

Type: number

chunk_sz_512

Description

Type: number

chunk_sz_gt_4k

Description

Type: number

client_req_unexp_flag

Description

Type: number

client_rst

Description

Type: number

client_rst_connected

Description

Type: number

client_rst_connecting

Description

Type: number

client_rst_request

Description

Type: number

client_rst_response

Description

Type: number

close_on_ddos

Description

Type: number

compress_content_type_excluded

Description

Type: number

compress_del_accept_enc

Description

Type: number

compress_no_content_type

Description

Type: number

compress_ratio_too_high

Description

Type: number

compress_resp_already_compressed

Description

Type: number

compress_resp_lt_min

Description

Type: number

compress_resp_no_cl_or_ce

Description

Type: number

compress_rsp

Description

Type: number

compress_rsp_br

Description

Type: number

compress_rsp_total

Description

Type: number

compression_after

Description

Type: number

compression_after_br

Description

Type: number

compression_after_total

Description

Type: number

compression_before

Description

Type: number

compression_before_br

Description

Type: number

compression_before_total

Description

Type: number

connect_req

Description

Type: number

connecting_ack

Description

Type: number

connecting_fin

Description

Type: number

connecting_fin_ofo

Description

Type: number

connecting_fin_retrans

Description

Type: number

connecting_rst

Description

Type: number

connecting_rst_ofo

Description

Type: number

connecting_rst_retrans

Description

Type: number

cookie_switching

Description

Type: number

cookie_switching_enqueue

Description

Type: number

cookie_switching_ok

Description

Type: number

curr_proxy

Description

Type: number

decompression_after

Description

Type: number

decompression_after_br

Description

Type: number

decompression_after_total

Description

Type: number

decompression_before

Description

Type: number

decompression_before_br

Description

Type: number

decompression_before_total

Description

Type: number

del_h2c_header

Description

Type: number

doh_dns_malformed_query

Description

Type: number

doh_dns_query_type_a

Description

Type: number

doh_dns_query_type_aaaa

Description

Type: number

doh_dns_query_type_any

Description

Type: number

doh_dns_query_type_cname

Description

Type: number

doh_dns_query_type_mx

Description

Type: number

doh_dns_query_type_ns

Description

Type: number

doh_dns_query_type_others

Description

Type: number

doh_dns_query_type_soa

Description

Type: number

doh_dns_query_type_srv

Description

Type: number

doh_dns_resp_rcode_err_format

Description

Type: number

doh_dns_resp_rcode_err_name

Description

Type: number

doh_dns_resp_rcode_err_server

Description

Type: number

doh_dns_resp_rcode_err_type

Description

Type: number

doh_dns_resp_rcode_notauth

Description

Type: number

doh_dns_resp_rcode_notzone

Description

Type: number

doh_dns_resp_rcode_nxrrset

Description

Type: number

doh_dns_resp_rcode_other

Description

Type: number

doh_dns_resp_rcode_refuse

Description

Type: number

doh_dns_resp_rcode_yxdomain

Description

Type: number

doh_dns_resp_rcode_yxrrset

Description

Type: number

doh_get_base64_decode_failed

Description

Type: number

doh_get_dns_arg_failed

Description

Type: number

doh_get_uri_too_long

Description

Type: number

doh_malloc_fail

Description

Type: number

doh_non_doh_method

Description

Type: number

doh_non_doh_req

Description

Type: number

doh_non_doh_req_get

Description

Type: number

doh_non_doh_req_post

Description

Type: number

doh_path_not_found

Description

Type: number

doh_post_content_type_mismatch

Description

Type: number

doh_post_payload_extract_failed

Description

Type: number

doh_post_payload_not_found

Description

Type: number

doh_post_payload_too_large

Description

Type: number

doh_query_time_out

Description

Type: number

doh_req

Description

Type: number

doh_req_get

Description

Type: number

doh_req_post

Description

Type: number

doh_req_send_failed

Description

Type: number

doh_req_tcp_retry

Description

Type: number

doh_req_tcp_retry_fail

Description

Type: number

doh_req_udp_retry

Description

Type: number

doh_req_udp_retry_fail

Description

Type: number

doh_resp

Description

Type: number

doh_resp_header_alloc_failed

Description

Type: number

doh_resp_que_failed

Description

Type: number

doh_resp_send_failed

Description

Type: number

doh_resp_setup_failed

Description

Type: number

doh_resp_tcp_frags

Description

Type: number

doh_resp_udp_frags

Description

Type: number

doh_retry_w_tcp

Description

Type: number

doh_serv_sel_failed

Description

Type: number

doh_snat_failed

Description

Type: number

doh_tc_resp

Description

Type: number

doh_tcp_dns_req

Description

Type: number

doh_tcp_dns_resp

Description

Type: number

doh_tcp_send_failed

Description

Type: number

doh_udp_dns_req

Description

Type: number

doh_udp_dns_resp

Description

Type: number

doh_udp_send_failed

Description

Type: number

fwdreq_fail

Description

Type: number

fwdreq_fail_buff

Description

Type: number

fwdreq_fail_persist

Description

Type: number

fwdreq_fail_route

Description

Type: number

fwdreq_fail_rport

Description

Type: number

fwdreq_fail_server

Description

Type: number

fwdreq_fail_tuple

Description

Type: number

fwdreqdata_fail

Description

Type: number

get_and_payload

Description

Type: number

h2up_content_length_alias

Description

Type: number

h2up_with_host_and_auth

Description

Type: number

h2up_with_transfer_encoding

Description

Type: number

header_delete

Description

Type: number

header_filter_rule_hit

Description

Type: number

header_insert

Description

Type: number

header_name_too_long

Description

Type: number

host_switching

Description

Type: number

host_switching_enqueue

Description

Type: number

host_switching_ok

Description

Type: number

http1_client_idle_timeout

Description

Type: number

http2_client_idle_timeout

Description

Type: number

http_allowed_methods

Description

Type: number

http_disallowed_methods

Description

Type: number

http_policy_switching

Description

Type: number

http_policy_switching_enqueue

Description

Type: number

http_policy_switching_ok

Description

Type: number

huge_cookie

Description

Type: number

huge_cookie_header

Description

Type: number

insert_client_ip

Description

Type: number

insert_client_port

Description

Type: number

invalid_header

Description

Type: number

l4_switching

Description

Type: number

l4_switching_enqueue

Description

Type: number

l4_switching_ok

Description

Type: number

large_cookie

Description

Type: number

large_cookie_header

Description

Type: number

lb_switching

Description

Type: number

lb_switching_enqueue

Description

Type: number

lb_switching_ok

Description

Type: number

line_too_long

Description

Type: number

malformed_h2up_header_value

Description

Type: number

malformed_h2up_scheme_value

Description

Type: number

multiple_content_length

Description

Type: number

multiple_transfer_encoding

Description

Type: number

negative_req_remain

Description

Type: number

negative_resp_remain

Description

Type: number

new_svrconn

Description

Type: number

non_http_bypass

Description

Type: number

noproxy

Description

Type: number

notuple

Description

Type: number

parse_cookie_fail

Description

Type: number

parse_setcookie_fail

Description

Type: number

parsereq_fail

Description

Type: number

pconn_connected

Description

Type: number

pconn_connecting

Description

Type: number

pconn_connecting_failed

Description

Type: number

pkts_ofo

Description

Type: number

pkts_retrans

Description

Type: number

pkts_retrans_ack_finwait

Description

Type: number

pkts_retrans_fin

Description

Type: number

pkts_retrans_push

Description

Type: number

pkts_retrans_rst

Description

Type: number

req

Description

Type: number

req_100m

Description

Type: number

req_100u

Description

Type: number

req_10m

Description

Type: number

req_10u

Description

Type: number

req_1m

Description

Type: number

req_1s

Description

Type: number

req_200m

Description

Type: number

req_200u

Description

Type: number

req_20m

Description

Type: number

req_20u

Description

Type: number

req_2m

Description

Type: number

req_2s

Description

Type: number

req_500m

Description

Type: number

req_500u

Description

Type: number

req_50m

Description

Type: number

req_50u

Description

Type: number

req_5m

Description

Type: number

req_5s

Description

Type: number

req_connect

Description

Type: number

req_content_len

Description

Type: number

req_delete

Description

Type: number

req_enter_ssli

Description

Type: number

req_get

Description

Type: number

req_head

Description

Type: number

req_http10

Description

Type: number

req_http10_keepalive

Description

Type: number

req_http11

Description

Type: number

req_http11_new_proxy

Description

Type: number

req_http2

Description

Type: number

req_http3

Description

Type: number

req_ofo

Description

Type: number

req_options

Description

Type: number

req_over_5s

Description

Type: number

req_over_limit

Description

Type: number

req_post

Description

Type: number

req_put

Description

Type: number

req_rate_over_limit

Description

Type: number

req_retran

Description

Type: number

req_succ

Description

Type: number

req_sz_16k

Description

Type: number

req_sz_1k

Description

Type: number

req_sz_256k

Description

Type: number

req_sz_2k

Description

Type: number

req_sz_32k

Description

Type: number

req_sz_4k

Description

Type: number

req_sz_64k

Description

Type: number

req_sz_8k

Description

Type: number

req_sz_gt_256k

Description

Type: number

req_timeout_close

Description

Type: number

req_timeout_retry

Description

Type: number

req_trace

Description

Type: number

req_track

Description

Type: number

req_unknown

Description

Type: number

response_100

Description

Type: number

response_101

Description

Type: number

response_102

Description

Type: number

response_1xx

Description

Type: number

response_200

Description

Type: number

response_201

Description

Type: number

response_202

Description

Type: number

response_203

Description

Type: number

response_204

Description

Type: number

response_205

Description

Type: number

response_206

Description

Type: number

response_207

Description

Type: number

response_2xx

Description

Type: number

response_300

Description

Type: number

response_301

Description

Type: number

response_302

Description

Type: number

response_303

Description

Type: number

response_304

Description

Type: number

response_305

Description

Type: number

response_306

Description

Type: number

response_307

Description

Type: number

response_3xx

Description

Type: number

response_400

Description

Type: number

response_401

Description

Type: number

response_402

Description

Type: number

response_403

Description

Type: number

response_404

Description

Type: number

response_405

Description

Type: number

response_406

Description

Type: number

response_407

Description

Type: number

response_408

Description

Type: number

response_409

Description

Type: number

response_410

Description

Type: number

response_411

Description

Type: number

response_412

Description

Type: number

response_413

Description

Type: number

response_414

Description

Type: number

response_415

Description

Type: number

response_416

Description

Type: number

response_417

Description

Type: number

response_418

Description

Type: number

response_422

Description

Type: number

response_423

Description

Type: number

response_424

Description

Type: number

response_425

Description

Type: number

response_426

Description

Type: number

response_449

Description

Type: number

response_450

Description

Type: number

response_4xx

Description

Type: number

response_500

Description

Type: number

response_501

Description

Type: number

response_502

Description

Type: number

response_503

Description

Type: number

response_504

Description

Type: number

response_504_ax

Description

Type: number

response_505

Description

Type: number

response_506

Description

Type: number

response_507

Description

Type: number

response_508

Description

Type: number

response_509

Description

Type: number

response_510

Description

Type: number

response_5xx

Description

Type: number

response_6xx

Description

Type: number

response_http10

Description

Type: number

response_http11

Description

Type: number

response_http2

Description

Type: number

response_http3

Description

Type: number

response_unknown

Description

Type: number

retry_503

Description

Type: number

rsp_chunk

Description

Type: number

rsp_content_len

Description

Type: number

rsp_sz_16k

Description

Type: number

rsp_sz_1k

Description

Type: number

rsp_sz_256k

Description

Type: number

rsp_sz_2k

Description

Type: number

rsp_sz_32k

Description

Type: number

rsp_sz_4k

Description

Type: number

rsp_sz_64k

Description

Type: number

rsp_sz_8k

Description

Type: number

rsp_sz_gt_256k

Description

Type: number

server_resel

Description

Type: number

server_resel_failed

Description

Type: number

server_rst

Description

Type: number

server_rst_connected

Description

Type: number

server_rst_connecting

Description

Type: number

server_rst_request

Description

Type: number

server_rst_response

Description

Type: number

skip_insert_client_ip

Description

Type: number

skip_insert_client_port

Description

Type: number

snat_fail

Description

Type: number

stale_sess

Description

Type: number

svr_prem_close

Description

Type: number

svrsel_fail

Description

Type: number

too_many_headers

Description

Type: number

total_proxy

Description

Type: number

transaction_limited

Description

Type: number

transfer_encoding_and_content_length

Description

Type: number

upgrade_to_new_proxy

Description

Type: number

url_switching

Description

Type: number

url_switching_enqueue

Description

Type: number

url_switching_ok

Description

Type: number

wrong_resp_header

Description

Type: number

ws_client_packets

Description

Type: number

ws_handshake_req

Description

Type: number

ws_handshake_resp

Description

Type: number

ws_server_packets

Description

Type: number

2.120.89 slb http-proxy stats

Statistics for the object http-proxy

http-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http-proxy
Element URI	/axapi/v3/slb/http-proxy/stats
Element Attributes	http-proxy_attributes
Partition Visibility	None
Schema	`http-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/http-proxy/stats

http-proxy attributes

Get Object

GET

/axapi/v3/slb/http-proxy/stats

http-proxy attributes

Modify Object

POST

/axapi/v3/slb/http-proxy/stats

http-proxy attributes

Replace Object

PUT

/axapi/v3/slb/http-proxy/stats

http-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/http-proxy/stats

http-proxy attributes

http-proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

cache_rsp

Description HTTP req (cache succ)

Type: number

Format: counter

chunk_sz_1k

Description Chunk less than equal to 1K

Type: number

Format: counter

chunk_sz_2k

Description Chunk less than equal to 2K

Type: number

Format: counter

chunk_sz_4k

Description Chunk less than equal to 4K

Type: number

Format: counter

chunk_sz_512

Description Chunk less than equal to 512

Type: number

Format: counter

chunk_sz_gt_4k

Description Chunk greater than 4K

Type: number

Format: counter

client_rst

Description Client RST

Type: number

Format: counter

close_on_ddos

Description Close on DDoS

Type: number

Format: counter

compression_after

Description Tot data after compress

Type: number

Format: counter

compression_after_br

Description Tot data after brotli compress

Type: number

Format: counter

compression_after_total

Description Tot data after compress

Type: number

Format: counter

compression_before

Description Tot data before compress

Type: number

Format: counter

compression_before_br

Description Tot data before brotli compress

Type: number

Format: counter

compression_before_total

Description Tot data before compress

Type: number

Format: counter

connect_req

Description Total HTTP CONNECT requests

Type: number

Format: counter

curr_proxy

Description Curr Proxy Conns

Type: number

Format: counter

decompression_after

Description Tot data after decompress

Type: number

Format: counter

decompression_after_br

Description Tot data after brotli decompress

Type: number

Format: counter

decompression_after_total

Description Tot data after decompress

Type: number

Format: counter

decompression_before

Description Tot data before decompress

Type: number

Format: counter

decompression_before_br

Description Tot data before brotli decompress

Type: number

Format: counter

decompression_before_total

Description Tot data before decompress

Type: number

Format: counter

doh_dns_malformed_query

Description DoH DNS Malformed Query

Type: number

Format: counter

doh_dns_query_type_a

Description DoH Query type A

Type: number

Format: counter

doh_dns_query_type_aaaa

Description DoH Query type AAAA

Type: number

Format: counter

doh_dns_query_type_any

Description DoH Query type ANY

Type: number

Format: counter

doh_dns_query_type_cname

Description DoH Query type CNAME

Type: number

Format: counter

doh_dns_query_type_mx

Description DoH Query type MX

Type: number

Format: counter

doh_dns_query_type_ns

Description DoH Query type NS

Type: number

Format: counter

doh_dns_query_type_others

Description DoH Query type Others

Type: number

Format: counter

doh_dns_query_type_soa

Description DoH Query type SOA

Type: number

Format: counter

doh_dns_query_type_srv

Description DoH Query type SRV

Type: number

Format: counter

doh_dns_resp_rcode_err_format

Description DoH DNS Response rcode ERR_FORMAT

Type: number

Format: counter

doh_dns_resp_rcode_err_name

Description DoH DNS Response rcode ERR_NAME

Type: number

Format: counter

doh_dns_resp_rcode_err_server

Description DoH DNS Response rcode ERR_SERVER

Type: number

Format: counter

doh_dns_resp_rcode_err_type

Description DoH DNS Response rcode ERR_TYPE

Type: number

Format: counter

doh_dns_resp_rcode_notauth

Description DoH DNS Response rcode NOTAUTH

Type: number

Format: counter

doh_dns_resp_rcode_notzone

Description DoH DNS Response rcode NOTZONE

Type: number

Format: counter

doh_dns_resp_rcode_nxrrset

Description DoH DNS Response rcode NXRRSET

Type: number

Format: counter

doh_dns_resp_rcode_other

Description DoH DNS Response rcode OTHER

Type: number

Format: counter

doh_dns_resp_rcode_refuse

Description DoH DNS Response rcode REFUSE

Type: number

Format: counter

doh_dns_resp_rcode_yxdomain

Description DoH DNS Response rcode YXDOMAIN

Type: number

Format: counter

doh_dns_resp_rcode_yxrrset

Description DoH DNS Response rcode YXRRSET

Type: number

Format: counter

doh_get_base64_decode_failed

Description DoH GET base64url decode failed

Type: number

Format: counter

doh_get_dns_arg_failed

Description DoH GET dns arg not found in uri

Type: number

Format: counter

doh_get_uri_too_long

Description DoH GET URI too long

Type: number

Format: counter

doh_malloc_fail

Description DoH Memory alloc failed

Type: number

Format: counter

doh_non_doh_method

Description DoH Non DoH HTTP request method rcvd

Type: number

Format: counter

doh_non_doh_req

Description DoH non DoH Requests

Type: number

Format: counter

doh_non_doh_req_get

Description DoH non DoH GET Requests

Type: number

Format: counter

doh_non_doh_req_post

Description DoH non DoH POST Requests

Type: number

Format: counter

doh_path_not_found

Description DoH URI Path not found

Type: number

Format: counter

doh_post_content_type_mismatch

Description DoH POST content-type not found

Type: number

Format: counter

doh_post_payload_extract_failed

Description DoH POST payload extract failed

Type: number

Format: counter

doh_post_payload_not_found

Description DoH POST payload not found

Type: number

Format: counter

doh_post_payload_too_large

Description DoH POST Payload too large

Type: number

Format: counter

doh_query_time_out

Description DoH serv Query timed out

Type: number

Format: counter

doh_req

Description DoH Requests

Type: number

Format: counter

doh_req_get

Description DoH GET Requests

Type: number

Format: counter

doh_req_post

Description DoH POST Requests

Type: number

Format: counter

doh_req_send_failed

Description DoH Request Send Failed

Type: number

Format: counter

doh_req_tcp_retry

Description DoH TCP Retry

Type: number

Format: counter

doh_req_tcp_retry_fail

Description DoH TCP Retry failed

Type: number

Format: counter

doh_req_udp_retry

Description DoH UDP Retry

Type: number

Format: counter

doh_req_udp_retry_fail

Description DoH UDP Retry failed

Type: number

Format: counter

doh_resp

Description DoH Responses

Type: number

Format: counter

doh_resp_header_alloc_failed

Description DoH Resp hdr alloc failed

Type: number

Format: counter

doh_resp_que_failed

Description DoH Resp queue failed

Type: number

Format: counter

doh_resp_send_failed

Description DoH Response Send Failed

Type: number

Format: counter

doh_resp_setup_failed

Description DoH Response setup failed

Type: number

Format: counter

doh_resp_tcp_frags

Description DoH TCP Frags Rcvd

Type: number

Format: counter

doh_resp_udp_frags

Description DoH UDP Frags Rcvd

Type: number

Format: counter

doh_retry_w_tcp

Description DoH Retry with TCP SG

Type: number

Format: counter

doh_serv_sel_failed

Description DoH Server Select Failed

Type: number

Format: counter

doh_snat_failed

Description DoH Source NAT failed

Type: number

Format: counter

doh_tc_resp

Description DoH TC Responses

Type: number

Format: counter

doh_tcp_dns_req

Description DoH TCP DNS Requests

Type: number

Format: counter

doh_tcp_dns_resp

Description DoH TCP DNS Responses

Type: number

Format: counter

doh_tcp_send_failed

Description DoH serv TCP DNS send failed

Type: number

Format: counter

doh_udp_dns_req

Description DoH UDP DNS Requests

Type: number

Format: counter

doh_udp_dns_resp

Description DoH UDP DNS Responses

Type: number

Format: counter

doh_udp_send_failed

Description DoH serv UDP DNS send failed

Type: number

Format: counter

fwdreq_fail

Description Fwd req fail

Type: number

Format: counter

fwdreqdata_fail

Description some help string

Type: number

Format: counter

new_svrconn

Description Server conn made

Type: number

Format: counter

noproxy

Description No proxy error

Type: number

Format: counter

notuple

Description No tuple error

Type: number

Format: counter

parsereq_fail

Description Parse req fail

Type: number

Format: counter

req

Description HTTP requests

Type: number

Format: counter

req_100m

Description Rsp time less than 100m

Type: number

Format: counter

req_100u

Description Rsp time less than 100u

Type: number

Format: counter

req_10m

Description Rsp time less than 10m

Type: number

Format: counter

req_10u

Description Rsp time less than 10u

Type: number

Format: counter

req_1m

Description Rsp time less than 1m

Type: number

Format: counter

req_1s

Description Rsp time less than 1s

Type: number

Format: counter

req_200m

Description Rsp time less than 200m

Type: number

Format: counter

req_200u

Description Rsp time less than 200u

Type: number

Format: counter

req_20m

Description Rsp time less than 20m

Type: number

Format: counter

req_20u

Description Rsp time less than 20u

Type: number

Format: counter

req_2m

Description Rsp time less than 2m

Type: number

Format: counter

req_2s

Description Rsp time less than 2s

Type: number

Format: counter

req_500m

Description Rsp time less than 500m

Type: number

Format: counter

req_500u

Description Rsp time less than 500u

Type: number

Format: counter

req_50m

Description Rsp time less than 50m

Type: number

Format: counter

req_50u

Description Rsp time less than 50u

Type: number

Format: counter

req_5m

Description Rsp time less than 5m

Type: number

Format: counter

req_5s

Description Rsp time less than 5s

Type: number

Format: counter

req_connect

Description Method CONNECT

Type: number

Format: counter

req_content_len

Description Req content len

Type: number

Format: counter

req_delete

Description Method DELETE

Type: number

Format: counter

req_enter_ssli

Description Total HTTP requests enter SSLi

Type: number

Format: counter

req_get

Description Method GET

Type: number

Format: counter

req_head

Description Method HEAD

Type: number

Format: counter

req_http2

Description Request 2.0

Type: number

Format: counter

req_http3

Description Request 3.0

Type: number

Format: counter

req_ofo

Description Packets ofo

Type: number

Format: counter

req_options

Description Method OPTIONS

Type: number

Format: counter

req_over_5s

Description Rsp time greater than equal to 5s

Type: number

Format: counter

req_over_limit

Description Request over limit

Type: number

Format: counter

req_post

Description Method POST

Type: number

Format: counter

req_put

Description Method PUT

Type: number

Format: counter

req_rate_over_limit

Description Request rate over limit

Type: number

Format: counter

req_retran

Description Packets retrans

Type: number

Format: counter

req_succ

Description HTTP requests(succ)

Type: number

Format: counter

req_sz_16k

Description Req less than equal to 16K

Type: number

Format: counter

req_sz_1k

Description Req less than equal to 1K

Type: number

Format: counter

req_sz_256k

Description Req less than equal to 256K

Type: number

Format: counter

req_sz_2k

Description Req less than equal to 2K

Type: number

Format: counter

req_sz_32k

Description Req less than equal to 32K

Type: number

Format: counter

req_sz_4k

Description Req less than equal to 4K

Type: number

Format: counter

req_sz_64k

Description Req less than equal to 64K

Type: number

Format: counter

req_sz_8k

Description Req less than equal to 8K

Type: number

Format: counter

req_sz_gt_256k

Description Req greater than 256K

Type: number

Format: counter

req_trace

Description Method TRACE

Type: number

Format: counter

req_track

Description Method TRACK

Type: number

Format: counter

req_unknown

Description Method UNKNOWN

Type: number

Format: counter

response_100

Description Status code 100

Type: number

Format: counter

response_101

Description Status code 101

Type: number

Format: counter

response_102

Description Status code 102

Type: number

Format: counter

response_1xx

Description Status code 1XX

Type: number

Format: counter

response_200

Description Status code 200

Type: number

Format: counter

response_201

Description Status code 201

Type: number

Format: counter

response_202

Description Status code 202

Type: number

Format: counter

response_203

Description Status code 203

Type: number

Format: counter

response_204

Description Status code 204

Type: number

Format: counter

response_205

Description Status code 205

Type: number

Format: counter

response_206

Description Status code 206

Type: number

Format: counter

response_207

Description Status code 207

Type: number

Format: counter

response_2xx

Description Status code 2XX

Type: number

Format: counter

response_300

Description Status code 300

Type: number

Format: counter

response_301

Description Status code 301

Type: number

Format: counter

response_302

Description Status code 302

Type: number

Format: counter

response_303

Description Status code 303

Type: number

Format: counter

response_304

Description Status code 304

Type: number

Format: counter

response_305

Description Status code 305

Type: number

Format: counter

response_306

Description Status code 306

Type: number

Format: counter

response_307

Description Status code 307

Type: number

Format: counter

response_3xx

Description Status code 3XX

Type: number

Format: counter

response_400

Description Status code 400

Type: number

Format: counter

response_401

Description Status code 401

Type: number

Format: counter

response_402

Description Status code 402

Type: number

Format: counter

response_403

Description Status code 403

Type: number

Format: counter

response_404

Description Status code 404

Type: number

Format: counter

response_405

Description Status code 405

Type: number

Format: counter

response_406

Description Status code 406

Type: number

Format: counter

response_407

Description Status code 407

Type: number

Format: counter

response_408

Description Status code 408

Type: number

Format: counter

response_409

Description Status code 409

Type: number

Format: counter

response_410

Description Status code 410

Type: number

Format: counter

response_411

Description Status code 411

Type: number

Format: counter

response_412

Description Status code 412

Type: number

Format: counter

response_413

Description Status code 413

Type: number

Format: counter

response_414

Description Status code 414

Type: number

Format: counter

response_415

Description Status code 415

Type: number

Format: counter

response_416

Description Status code 416

Type: number

Format: counter

response_417

Description Status code 417

Type: number

Format: counter

response_418

Description Status code 418

Type: number

Format: counter

response_422

Description Status code 422

Type: number

Format: counter

response_423

Description Status code 423

Type: number

Format: counter

response_424

Description Status code 424

Type: number

Format: counter

response_425

Description Status code 425

Type: number

Format: counter

response_426

Description Status code 426

Type: number

Format: counter

response_449

Description Status code 449

Type: number

Format: counter

response_450

Description Status code 450

Type: number

Format: counter

response_4xx

Description Status code 4XX

Type: number

Format: counter

response_500

Description Status code 500

Type: number

Format: counter

response_501

Description Status code 501

Type: number

Format: counter

response_502

Description Status code 502

Type: number

Format: counter

response_503

Description Status code 503

Type: number

Format: counter

response_504

Description Status code 504

Type: number

Format: counter

response_505

Description Status code 505

Type: number

Format: counter

response_506

Description Status code 506

Type: number

Format: counter

response_507

Description Status code 507

Type: number

Format: counter

response_508

Description Status code 508

Type: number

Format: counter

response_509

Description Status code 509

Type: number

Format: counter

response_510

Description Status code 510

Type: number

Format: counter

response_5xx

Description Status code 5XX

Type: number

Format: counter

response_6xx

Description Status code 6XX

Type: number

Format: counter

response_http2

Description Resp 2.0

Type: number

Format: counter

response_http3

Description Resp 3.0

Type: number

Format: counter

response_unknown

Description Status code unknown

Type: number

Format: counter

rsp_chunk

Description Resp chunk encoding

Type: number

Format: counter

rsp_content_len

Description Resp content len

Type: number

Format: counter

rsp_sz_16k

Description Resp less than equal to 16K

Type: number

Format: counter

rsp_sz_1k

Description Resp less than equal to 1K

Type: number

Format: counter

rsp_sz_256k

Description Resp less than equal to 256K

Type: number

Format: counter

rsp_sz_2k

Description Resp less than equal to 2K

Type: number

Format: counter

rsp_sz_32k

Description Resp less than equal to 32K

Type: number

Format: counter

rsp_sz_4k

Description Resp less than equal to 4K

Type: number

Format: counter

rsp_sz_64k

Description Resp less than equal to 64K

Type: number

Format: counter

rsp_sz_8k

Description Resp less than equal to 8K

Type: number

Format: counter

rsp_sz_gt_256k

Description Resp greater than 256K

Type: number

Format: counter

server_resel

Description Server reselection

Type: number

Format: counter

server_rst

Description Server RST

Type: number

Format: counter

snat_fail

Description Source NAT failure

Type: number

Format: counter

svr_prem_close

Description Server premature close

Type: number

Format: counter

svrsel_fail

Description Server selection fail

Type: number

Format: counter

total_proxy

Description Total Proxy Conns

Type: number

Format: counter

2.120.90 slb hw-compress

Configure HW compression

hw-compress Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hw-compress
Element URI	/axapi/v3/slb/hw-compress
Element Attributes	hw-compress_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/hw-compress/stats
Operational Data URI	/axapi/v3/slb/hw-compress/oper
Schema	`hw-compress schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/hw-compress

hw-compress attributes

```
POST /axapi/v3/slb/hw-compress
Payload:
{
    "hw-compress": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/hw-compress

hw-compress attributes

```
GET /axapi/v3/slb/hw-compress
Reponse:
{
    "hw-compress": {
        "uuid": "5172b6e4-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/hw-compress"
    }
}
```

Modify Object

POST

/axapi/v3/slb/hw-compress

hw-compress attributes

Replace Object

PUT

/axapi/v3/slb/hw-compress

hw-compress attributes

```
PUT /axapi/v3/slb/hw-compress
Payload:
{
    "hw-compress": {
```

(continues on next page)

(continued from previous page)

```
        "sampling-enable": [
            {
                "counters1": "request_count"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/hw-compress

hw-compress attributes

```
DELETE /axapi/v3/slb/hw-compress
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

hw-compress attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'request_count': Total request count; 'submit_count': Total submit count; 'response_count': Total response count; 'failure_count': Total failure count; 'failure_code': Last failure code; 'ring_full_count': Compres-

sion queue full; 'max_outstanding_request_count': Max queued request count; 'max_outstanding_submit_count': Max queued submit count;

Type: string

Supported Values: all, request_count, submit_count, response_count, failure_count, failure_code, ring_full_count, max_outstanding_request_count, max_outstanding_submit_count

2.120.91 slb hw-compress oper

Operational Status for the object hw-compress

hw-compress Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hw-compress
Element URI	/axapi/v3/slb/hw-compress/oper
Element Attributes	hw-compress_attributes
Partition Visibility	None
Schema	`hw-compress schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/hw-compress/oper

hw-compress attributes

Get Object

GET

/axapi/v3/slb/hw-compress/oper

hw-compress attributes

Modify Object

POST

/axapi/v3/slb/hw-compress/oper

hw-compress attributes

Replace Object

PUT

/axapi/v3/slb/hw-compress/oper

hw-compress attributes

Delete Object

DELETE

/axapi/v3/slb/hw-compress/oper

hw-compress attributes

hw-compress attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

hw-compress-disabled

Description

Type: number

l4-cpu-list

Type: List

oper_l4-cpu-list

Specification	Value
Type	*list*
Block object keys	

failure_code

Description

Type: number

failure_count

Description

Type: number

max_outstanding_request_count

Description

Type: number

max_outstanding_submit_count

Description

Type: number

request_count

Description

Type: number

response_count

Description

Type: number

ring_full_count

Description

Type: number

submit_count

Description

Type: number

2.120.92 slb hw-compress stats

Statistics for the object hw-compress

hw-compress Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hw-compress
Element URI	/axapi/v3/slb/hw-compress/stats
Element Attributes	hw-compress_attributes
Partition Visibility	None
Schema	`hw-compress schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/hw-compress/stats

hw-compress attributes

Get Object

GET

/axapi/v3/slb/hw-compress/stats

hw-compress attributes

Modify Object

POST

/axapi/v3/slb/hw-compress/stats

hw-compress attributes

Replace Object

PUT

/axapi/v3/slb/hw-compress/stats

hw-compress attributes

Delete Object

DELETE

/axapi/v3/slb/hw-compress/stats

hw-compress attributes

hw-compress attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

failure_code

Description Last failure code

Type: number

Format: counter

failure_count

Description Total failure count

Type: number

Format: counter

max_outstanding_request_count

Description Max queued request count

Type: number

Format: counter

max_outstanding_submit_count

Description Max queued submit count

Type: number

Format: counter

request_count

Description Total request count

Type: number

Format: counter

response_count

Description Total response count

Type: number

Format: counter

ring_full_count

Description Compression queue full

Type: number

Format: counter

submit_count

Description Total submit count

Type: number

Format: counter

2.120.93 slb icap

Configure ICAP

icap Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icap
Element URI	/axapi/v3/slb/icap
Element Attributes	icap_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/icap/stats
Operational Data URI	/axapi/v3/slb/icap/oper
Schema	`icap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/icap

icap attributes

```
POST /axapi/v3/slb/icap
Payload:
{
    "icap": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/icap

icap attributes

```
GET /axapi/v3/slb/icap
Reponse:
{
    "icap": {
        "uuid": "5172b0fe-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/icap"
    }
}
```

Modify Object

POST

/axapi/v3/slb/icap

icap attributes

Replace Object

PUT

/axapi/v3/slb/icap

icap attributes

```
PUT /axapi/v3/slb/icap
Payload:
{
    "icap": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "reqmod_request"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/icap

icap attributes

```
DELETE /axapi/v3/slb/icap
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

icap attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'reqmod_request': Reqmod Request Stats; 'respmod_request': Respmod Request Stats; 'reqmod_request_after_100': Reqmod Request Sent After 100 Cont Stats; 'respmod_request_after_100': Respmod Request Sent After 100 Cont Stats; 'reqmod_response': Reqmod Response Stats; 'respmod_response': Respmod Response

Stats; 'reqmod_response_after_100': Reqmod Response After 100 Cont Stats; 'respmod_response_after_100': Respmod Response After 100 Cont Stats; 'chunk_no_allow_204': Chunk so no Allow 204 Stats; 'len_exceed_no_allow_204': Length Exceeded so no Allow 204 Stats; 'result_continue': Result Continue Stats; 'result_icap_response': Result ICAP Response Stats; 'result_100_continue': Result 100 Continue Stats; 'result_other': Result Other Stats; 'status_2xx': Status 2xx Stats; 'status_200': Status 200 Stats; 'status_201': Status 201 Stats; 'status_202': Status 202 Stats; 'status_203': Status 203 Stats; 'status_204': Status 204 Stats; 'status_205': Status 205 Stats; 'status_206': Status 206 Stats; 'status_207': Status 207 Stats; 'status_1xx': Status 1xx Stats; 'status_100': Status 100 Stats; 'status_101': Status 101 Stats; 'status_102': Status 102 Stats; 'status_3xx': Status 3xx Stats; 'status_300': Status 300 Stats; 'status_301': Status 301 Stats; 'status_302': Status 302 Stats; 'status_303': Status 303 Stats; 'status_304': Status 304 Stats; 'status_305': Status 305 Stats; 'status_306': Status 306 Stats; 'status_307': Status 307 Stats; 'status_4xx': Status 4xx Stats; 'status_400': Status 400 Stats; 'status_401': Status 401 Stats; 'status_402': Status 402 Stats; 'status_403': Status 403 Stats; 'status_404': Status 404 Stats; 'status_405': Status 405 Stats; 'status_406': Status 406 Stats; 'status_407': Status 407 Stats; 'status_408': Status 408 Stats; 'status_409': Status 409 Stats; 'status_410': Status 410 Stats; 'status_411': Status 411 Stats; 'status_412': Status 412 Stats; 'status_413': Status 413 Stats; 'status_414': Status 414 Stats; 'status_415': Status 415 Stats; 'status_416': Status 416 Stats; 'status_417': Status 417 Stats; 'status_418': Status 418 Stats; 'status_419': Status 419 Stats; 'status_420': Status 420 Stats; 'status_422': Status 422 Stats; 'status_423': Status 423 Stats; 'status_424': Status 424 Stats; 'status_425': Status 425 Stats; 'status_426': Status 426 Stats; 'status_449': Status 449 Stats; 'status_450': Status 450 Stats; 'status_5xx': Status 5xx Stats; 'status_500': Status 500 Stats; 'status_501': Status 501 Stats; 'status_502': Status 502 Stats; 'status_503': Status 503 Stats; 'status_504': Status 504 Stats; 'status_505': Status 505 Stats; 'status_506': Status 506 Stats; 'status_507': Status 507 Stats; 'status_508': Status 508 Stats; 'status_509': Status 509 Stats; 'status_510': Status 510 Stats; 'status_6xx': Status 6xx Stats; 'status_unknown': Status Unknown Stats; 'send_option_req': Send Option Req Stats; 'app_serv_conn_no_pcb_err': App Server Conn no ES PCB Err Stats; 'app_serv_conn_err': App Server Conn Err Stats; 'chunk1_hdr_err': Chunk Hdr Err1 Stats; 'chunk2_hdr_err': Chunk Hdr Err2 Stats; 'chunk_bad_trail_err': Chunk Bad Trail Err Stats; 'no_payload_next_buff_err': No Payload In Next Buff Err Stats; 'no_payload_buff_err': No Payload Buff Err Stats; 'resp_hdr_incomplete_err': Resp Hdr Incomplete Err Stats; 'serv_sel_fail_err': Server Select Fail Err Stats; 'start_icap_conn_fail_err': Start ICAP conn fail Stats; 'prep_req_fail_err': Prepare ICAP req fail Err Stats; 'icap_ver_err': ICAP Ver Err Stats; 'icap_line_err': ICAP Line Err Stats; 'encap_hdr_incomplete_err': Encap HDR Incomplete Err Stats; 'no_icap_resp_err': No ICAP Resp Err Stats; 'resp_line_read_err': Resp Line Read Err Stats; 'resp_line_parse_err': Resp Line Parse Err Stats; 'resp_hdr_err': Resp Hdr Err Stats; 'req_hdr_incomplete_err': Req Hdr Incomplete Err Stats; 'no_status_code_err': No Status Code Err Stats; 'http_resp_line_read_err': HTTP Response Line Read Err Stats; 'http_resp_line_parse_err': HTTP Response Line Parse Err Stats; 'http_resp_hdr_err': HTTP Resp Hdr Err Stats; 'recv_option_resp': Send Option Req Stats;

Type: string

Supported Values: all, reqmod_request, respmod_request, reqmod_request_after_100, respmod_request_after_100, reqmod_response, respmod_response, reqmod_response_after_100, respmod_response_after_100, chunk_no_allow_204, len_exceed_no_allow_204, result_continue, result_icap_response, result_100_continue, result_other, status_2xx, status_200, status_201, status_202, status_203, status_204, status_205, status_206, status_207, status_1xx, status_100, status_101, status_102, status_3xx, status_300, status_301, status_302, status_303, status_304, status_305, status_306, status_307, status_4xx, status_400, status_401, status_402, status_403, status_404, status_405, status_406, status_407, status_408, status_409, status_410, status_411, status_412, status_413, status_414, status_415, status_416, status_417, status_418, status_419, status_420, status_422, status_423, status_424, status_425, status_426, status_449, status_450, status_5xx, status_500, status_501, status_502, status_503,

status_504, status_505, status_506, status_507, status_508, status_509, status_510, status_6xx, status_unknown, send_option_req, app_serv_conn_no_pcb_err, app_serv_conn_err, chunk1_hdr_err, chunk2_hdr_err, chunk_bad_trail_err, no_payload_next_buff_err, no_payload_buff_err, resp_hdr_incomplete_err, serv_sel_fail_err, start_icap_conn_fail_err, prep_req_fail_err, icap_ver_err, icap_line_err, encap_hdr_incomplete_err, no_icap_resp_err, resp_line_read_err, resp_line_parse_err, resp_hdr_err, req_hdr_incomplete_err, no_status_code_err, http_resp_line_read_err, http_resp_line_parse_err, http_resp_hdr_err, recv_option_resp, http_connect_reqmod_request

2.120.94 slb icap_http

Configure ICAP

icap_http Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icap_http
Element URI	/axapi/v3/slb/icap_http
Element Attributes	icap_http_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/icap_http/stats
Operational Data URI	/axapi/v3/slb/icap_http/oper
Schema	`icap_http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/icap_http

icap_http attributes

```
POST /axapi/v3/slb/icap_http
Payload:
{
    "icap_http": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/icap_http

icap_http attributes

```
GET /axapi/v3/slb/icap_http
Reponse:
{
    "icap_http": {
        "uuid": "5172b25c-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/icap_http"
    }
}
```

Modify Object

POST

/axapi/v3/slb/icap_http

icap_http attributes

Replace Object

PUT

/axapi/v3/slb/icap_http

icap_http attributes

```
PUT /axapi/v3/slb/icap_http
Payload:
{
    "icap_http": {
        "sampling-enable": [
            {
                "counters1": "status_200"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/icap_http

icap_http attributes

```
DELETE /axapi/v3/slb/icap_http
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

icap_http attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'status_200': Status code 200; 'status_201': Status code 201; 'status_202': Status code 202; 'status_203': Status code 203; 'status_204': Status code 204; 'status_205': Status code 205; 'status_206': Status code 206; 'status_207': Status code 207; 'status_100': Status code 100; 'status_101': Status code 101; 'status_102': Status code 102; 'status_300': Status code 300; 'status_301': Status code 301; 'status_302': Status code 302; 'status_303': Status code 303; 'status_304': Status code 304; 'status_305': Status code 305; 'status_306': Status code 306; 'status_307': Status code 307; 'status_400': Status code 400; 'status_401': Status code 401; 'status_402': Status code 402; 'status_403': Status code 403; 'status_404': Status code 404; 'status_405': Status code 405; 'status_406': Status code 406; 'status_407': Status code 407; 'status_408': Status code 408; 'status_409': Status code 409; 'status_410': Status code 410; 'status_411': Status code 411; 'status_412': Status code 412; 'status_413': Status code 413; 'status_414': Status code 414; 'status_415': Status code 415; 'status_416': Status code 416; 'status_417': Status code 417; 'status_418': Status code 418; 'status_422': Status code 422; 'status_423': Status code 423; 'status_424': Status code 424; 'status_425': Status code 425; 'status_426': Status code 426; 'status_449': Status code 449; 'status_450': Status code 450; 'status_500': Status code 500; 'status_501': Status code 501; 'status_502': Status code 502; 'status_503': Status code 503; 'status_504': Status code 504; 'status_505': Status code 505; 'status_506': Status code 506; 'status_507': Status code 507; 'status_508': Status code 508; 'status_509': Status code 509; 'status_510': Status code 510; 'status_1xx': status code 1XX; 'status_2xx': status code 2XX; 'status_3xx': status code 3XX; 'status_4xx': status code 4XX; 'status_5xx': status code 5XX; 'status_6xx': status code 6XX; 'status_unknown': Status code unknown;

Type: string

Supported Values: all, status_200, status_201, status_202, status_203, status_204, status_205, status_206, status_207, status_100, status_101, status_102, status_300, status_301, status_302, status_303, status_304, status_305, status_306, status_307, status_400, status_401, status_402, status_403, status_404, status_405, status_406, status_407, status_408, status_409, status_410, status_411, status_412, status_413, status_414, status_415, status_416, status_417, status_418, status_422, status_423, status_424, status_425, status_426, status_449, status_450, status_500, status_501, status_502, status_503, status_504, status_505, status_506, status_507, status_508, status_509, status_510, status_1xx, status_2xx, status_3xx, status_4xx, status_5xx, status_6xx, status_unknown

2.120.95 slb icap_http oper

Operational Status for the object icap_http

icap_http Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icap_http
Element URI	/axapi/v3/slb/icap_http/oper
Element Attributes	icap_http_attributes
Partition Visibility	None
Schema	`icap_http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/icap_http/oper

icap_http attributes

Get Object

GET

/axapi/v3/slb/icap_http/oper

icap_http attributes

Modify Object

POST

/axapi/v3/slb/icap_http/oper

icap_http attributes

Replace Object

PUT

/axapi/v3/slb/icap_http/oper

icap_http attributes

Delete Object

DELETE

/axapi/v3/slb/icap_http/oper

icap_http attributes

icap_http attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

icap_http-cpu-list

Type: List

oper_icap_http-cpu-list

Specification	Value
Type	*list*
Block object keys	

status_100

Description

Type: number

status_101

Description

Type: number

status_102

Description

Type: number

status_1xx

Description

Type: number

status_200

Description

Type: number

status_201

Description

Type: number

status_202

Description

Type: number

status_203

Description

Type: number

status_204

Description

Type: number

status_205

Description

Type: number

status_206

Description

Type: number

status_207

Description

Type: number

status_2xx

Description

Type: number

status_300

Description

Type: number

status_301

Description

Type: number

status_302

Description

Type: number

status_303

Description

Type: number

status_304

Description

Type: number

status_305

Description

Type: number

status_306

Description

Type: number

status_307

Description

Type: number

status_3xx

Description

Type: number

status_400

Description

Type: number

status_401

Description

Type: number

status_402

Description

Type: number

status_403

Description

Type: number

status_404

Description

Type: number

status_405

Description

Type: number

status_406

Description

Type: number

status_407

Description

Type: number

status_408

Description

Type: number

status_409

Description

Type: number

status_410

Description

Type: number

status_411

Description

Type: number

status_412

Description

Type: number

status_413

Description

Type: number

status_414

Description

Type: number

status_415

Description

Type: number

status_416

Description

Type: number

status_417

Description

Type: number

status_418

Description

Type: number

status_422

Description

Type: number

status_423

Description

Type: number

status_424

Description

Type: number

status_425

Description

Type: number

status_426

Description

Type: number

status_449

Description

Type: number

status_450

Description

Type: number

status_4xx

Description

Type: number

status_500

Description

Type: number

status_501

Description

Type: number

status_502

Description

Type: number

status_503

Description

Type: number

status_504

Description

Type: number

status_505

Description

Type: number

status_506

Description

Type: number

status_507

Description

Type: number

status_508

Description

Type: number

status_509

Description

Type: number

status_510

Description

Type: number

status_5xx

Description

Type: number

status_6xx

Description

Type: number

2.120.96 slb icap_http stats

Statistics for the object icap_http

icap_http Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icap_http
Element URI	/axapi/v3/slb/icap_http/stats
Element Attributes	icap_http_attributes
Partition Visibility	None
Schema	`icap_http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/icap_http/stats

icap_http attributes

Get Object

GET

/axapi/v3/slb/icap_http/stats

icap_http attributes

Modify Object

POST

/axapi/v3/slb/icap_http/stats

icap_http attributes

Replace Object

PUT

/axapi/v3/slb/icap_http/stats

icap_http attributes

Delete Object

DELETE

/axapi/v3/slb/icap_http/stats

icap_http attributes

icap_http attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

status_100

Description Status code 100

Type: number

Format: counter

status_101

Description Status code 101

Type: number

Format: counter

status_102

Description Status code 102

Type: number

Format: counter

status_1xx

Description status code 1XX

Type: number

Format: counter

status_200

Description Status code 200

Type: number

Format: counter

status_201

Description Status code 201

Type: number

Format: counter

status_202

Description Status code 202

Type: number

Format: counter

status_203

Description Status code 203

Type: number

Format: counter

status_204

Description Status code 204

Type: number

Format: counter

status_205

Description Status code 205

Type: number

Format: counter

status_206

Description Status code 206

Type: number

Format: counter

status_207

Description Status code 207

Type: number

Format: counter

status_2xx

Description status code 2XX

Type: number

Format: counter

status_300

Description Status code 300

Type: number

Format: counter

status_301

Description Status code 301

Type: number

Format: counter

status_302

Description Status code 302

Type: number

Format: counter

status_303

Description Status code 303

Type: number

Format: counter

status_304

Description Status code 304

Type: number

Format: counter

status_305

Description Status code 305

Type: number

Format: counter

status_306

Description Status code 306

Type: number

Format: counter

status_307

Description Status code 307

Type: number

Format: counter

status_3xx

Description status code 3XX

Type: number

Format: counter

status_400

Description Status code 400

Type: number

Format: counter

status_401

Description Status code 401

Type: number

Format: counter

status_402

Description Status code 402

Type: number

Format: counter

status_403

Description Status code 403

Type: number

Format: counter

status_404

Description Status code 404

Type: number

Format: counter

status_405

Description Status code 405

Type: number

Format: counter

status_406

Description Status code 406

Type: number

Format: counter

status_407

Description Status code 407

Type: number

Format: counter

status_408

Description Status code 408

Type: number

Format: counter

status_409

Description Status code 409

Type: number

Format: counter

status_410

Description Status code 410

Type: number

Format: counter

status_411

Description Status code 411

Type: number

Format: counter

status_412

Description Status code 412

Type: number

Format: counter

status_413

Description Status code 413

Type: number

Format: counter

status_414

Description Status code 414

Type: number

Format: counter

status_415

Description Status code 415

Type: number

Format: counter

status_416

Description Status code 416

Type: number

Format: counter

status_417

Description Status code 417

Type: number

Format: counter

status_418

Description Status code 418

Type: number

Format: counter

status_422

Description Status code 422

Type: number

Format: counter

status_423

Description Status code 423

Type: number

Format: counter

status_424

Description Status code 424

Type: number

Format: counter

status_425

Description Status code 425

Type: number

Format: counter

status_426

Description Status code 426

Type: number

Format: counter

status_449

Description Status code 449

Type: number

Format: counter

status_450

Description Status code 450

Type: number

Format: counter

status_4xx

Description status code 4XX

Type: number

Format: counter

status_500

Description Status code 500

Type: number

Format: counter

status_501

Description Status code 501

Type: number

Format: counter

status_502

Description Status code 502

Type: number

Format: counter

status_503

Description Status code 503

Type: number

Format: counter

status_504

Description Status code 504

Type: number

Format: counter

status_505

Description Status code 505

Type: number

Format: counter

status_506

Description Status code 506

Type: number

Format: counter

status_507

Description Status code 507

Type: number

Format: counter

status_508

Description Status code 508

Type: number

Format: counter

status_509

Description Status code 509

Type: number

Format: counter

status_510

Description Status code 510

Type: number

Format: counter

status_5xx

Description status code 5XX

Type: number

Format: counter

status_6xx

Description status code 6XX

Type: number

Format: counter

status_unknown

Description Status code unknown

Type: number

Format: counter

2.120.97 slb icap oper

Operational Status for the object icap

icap Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icap
Element URI	/axapi/v3/slb/icap/oper
Element Attributes	icap_attributes
Partition Visibility	None
Schema	`icap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/icap/oper

icap attributes

Get Object

GET

/axapi/v3/slb/icap/oper

icap attributes

Modify Object

POST

/axapi/v3/slb/icap/oper

icap attributes

Replace Object

PUT

/axapi/v3/slb/icap/oper

icap attributes

Delete Object

DELETE

/axapi/v3/slb/icap/oper

icap attributes

icap attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

icap-cpu-list

Type: List

oper_icap-cpu-list

Specification	Value
Type	*list*
Block object keys	

app_serv_conn_err

Description

Type: number

app_serv_conn_no_pcb_err

Description

Type: number

chunk1_hdr_err

Description

Type: number

chunk2_hdr_err

Description

Type: number

chunk_bad_trail_err

Description

Type: number

chunk_no_allow_204

Description

Type: number

encap_hdr_incomplete_err

Description

Type: number

http_connect_reqmod_request

Description

Type: number

http_resp_hdr_err

Description

Type: number

http_resp_line_parse_err

Description

Type: number

http_resp_line_read_err

Description

Type: number

icap_line_err

Description

Type: number

icap_ver_err

Description

Type: number

len_exceed_no_allow_204

Description

Type: number

no_icap_resp_err

Description

Type: number

no_payload_buff_err

Description

Type: number

no_payload_next_buff_err

Description

Type: number

no_status_code_err

Description

Type: number

prep_req_fail_err

Description

Type: number

recv_option_resp

Description

Type: number

req_hdr_incomplete_err

Description

Type: number

reqmod_request

Description

Type: number

reqmod_request_after_100

Description

Type: number

reqmod_response

Description

Type: number

reqmod_response_after_100

Description

Type: number

resp_hdr_err

Description

Type: number

resp_hdr_incomplete_err

Description

Type: number

resp_line_parse_err

Description

Type: number

resp_line_read_err

Description

Type: number

respmod_request

Description

Type: number

respmod_request_after_100

Description

Type: number

respmod_response

Description

Type: number

respmod_response_after_100

Description

Type: number

result_100_continue

Description

Type: number

result_continue

Description

Type: number

result_icap_response

Description

Type: number

result_other

Description

Type: number

send_option_req

Description

Type: number

serv_sel_fail_err

Description

Type: number

start_icap_conn_fail_err

Description

Type: number

status_100

Description

Type: number

status_101

Description

Type: number

status_102

Description

Type: number

status_1xx

Description

Type: number

status_200

Description

Type: number

status_201

Description

Type: number

status_202

Description

Type: number

status_203

Description

Type: number

status_204

Description

Type: number

status_205

Description

Type: number

status_206

Description

Type: number

status_207

Description

Type: number

status_2xx

Description

Type: number

status_300

Description

Type: number

status_301

Description

Type: number

status_302

Description

Type: number

status_303

Description

Type: number

status_304

Description

Type: number

status_305

Description

Type: number

status_306

Description

Type: number

status_307

Description

Type: number

status_3xx

Description

Type: number

status_400

Description

Type: number

status_401

Description

Type: number

status_402

Description

Type: number

status_403

Description

Type: number

status_404

Description

Type: number

status_405

Description

Type: number

status_406

Description

Type: number

status_407

Description

Type: number

status_408

Description

Type: number

status_409

Description

Type: number

status_410

Description

Type: number

status_411

Description

Type: number

status_412

Description

Type: number

status_413

Description

Type: number

status_414

Description

Type: number

status_415

Description

Type: number

status_416

Description

Type: number

status_417

Description

Type: number

status_418

Description

Type: number

status_419

Description

Type: number

status_420

Description

Type: number

status_422

Description

Type: number

status_423

Description

Type: number

status_424

Description

Type: number

status_425

Description

Type: number

status_426

Description

Type: number

status_449

Description

Type: number

status_450

Description

Type: number

status_4xx

Description

Type: number

status_500

Description

Type: number

status_501

Description

Type: number

status_502

Description

Type: number

status_503

Description

Type: number

status_504

Description

Type: number

status_505

Description

Type: number

status_506

Description

Type: number

status_507

Description

Type: number

status_508

Description

Type: number

status_509

Description

Type: number

status_510

Description

Type: number

status_5xx

Description

Type: number

status_6xx

Description

Type: number

status_unknown

Description

Type: number

2.120.98 slb icap stats

Statistics for the object icap

icap Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icap
Element URI	/axapi/v3/slb/icap/stats
Element Attributes	icap_attributes
Partition Visibility	None
Schema	`icap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/icap/stats

icap attributes

Get Object

GET

/axapi/v3/slb/icap/stats

icap attributes

Modify Object

POST

/axapi/v3/slb/icap/stats

icap attributes

Replace Object

PUT

/axapi/v3/slb/icap/stats

icap attributes

Delete Object

DELETE

/axapi/v3/slb/icap/stats

icap attributes

icap attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

app_serv_conn_err

Description App Server Conn Err Stats

Type: number

Format: counter

app_serv_conn_no_pcb_err

Description App Server Conn no ES PCB Err Stats

Type: number

Format: counter

chunk1_hdr_err

Description Chunk Hdr Err1 Stats

Type: number

Format: counter

chunk2_hdr_err

Description Chunk Hdr Err2 Stats

Type: number

Format: counter

chunk_bad_trail_err

Description Chunk Bad Trail Err Stats

Type: number

Format: counter

chunk_no_allow_204

Description Chunk so no Allow 204 Stats

Type: number

Format: counter

encap_hdr_incomplete_err

Description Encap HDR Incomplete Err Stats

Type: number

Format: counter

http_connect_reqmod_request

Description HTTP CONNECT Reqmod Request Stats

Type: number

Format: counter

http_resp_hdr_err

Description HTTP Resp Hdr Err Stats

Type: number

Format: counter

http_resp_line_parse_err

Description HTTP Response Line Parse Err Stats

Type: number

Format: counter

http_resp_line_read_err

Description HTTP Response Line Read Err Stats

Type: number

Format: counter

icap_line_err

Description ICAP Line Err Stats

Type: number

Format: counter

icap_ver_err

Description ICAP Ver Err Stats

Type: number

Format: counter

len_exceed_no_allow_204

Description Length Exceeded so no Allow 204 Stats

Type: number

Format: counter

no_icap_resp_err

Description No ICAP Resp Err Stats

Type: number

Format: counter

no_payload_buff_err

Description No Payload Buff Err Stats

Type: number

Format: counter

no_payload_next_buff_err

Description No Payload In Next Buff Err Stats

Type: number

Format: counter

no_status_code_err

Description No Status Code Err Stats

Type: number

Format: counter

prep_req_fail_err

Description Prepare ICAP req fail Err Stats

Type: number

Format: counter

recv_option_resp

Description Send Option Req Stats

Type: number

Format: counter

req_hdr_incomplete_err

Description Req Hdr Incomplete Err Stats

Type: number

Format: counter

reqmod_request

Description Reqmod Request Stats

Type: number

Format: counter

reqmod_request_after_100

Description Reqmod Request Sent After 100 Cont Stats

Type: number

Format: counter

reqmod_response

Description Reqmod Response Stats

Type: number

Format: counter

reqmod_response_after_100

Description Reqmod Response After 100 Cont Stats

Type: number

Format: counter

resp_hdr_err

Description Resp Hdr Err Stats

Type: number

Format: counter

resp_hdr_incomplete_err

Description Resp Hdr Incomplete Err Stats

Type: number

Format: counter

resp_line_parse_err

Description Resp Line Parse Err Stats

Type: number

Format: counter

resp_line_read_err

Description Resp Line Read Err Stats

Type: number

Format: counter

respmod_request

Description Respmod Request Stats

Type: number

Format: counter

respmod_request_after_100

Description Respmod Request Sent After 100 Cont Stats

Type: number

Format: counter

respmod_response

Description Respmod Response Stats

Type: number

Format: counter

respmod_response_after_100

Description Respmod Response After 100 Cont Stats

Type: number

Format: counter

result_100_continue

Description Result 100 Continue Stats

Type: number

Format: counter

result_continue

Description Result Continue Stats

Type: number

Format: counter

result_icap_response

Description Result ICAP Response Stats

Type: number

Format: counter

result_other

Description Result Other Stats

Type: number

Format: counter

send_option_req

Description Send Option Req Stats

Type: number

Format: counter

serv_sel_fail_err

Description Server Select Fail Err Stats

Type: number

Format: counter

start_icap_conn_fail_err

Description Start ICAP conn fail Stats

Type: number

Format: counter

status_100

Description Status 100 Stats

Type: number

Format: counter

status_101

Description Status 101 Stats

Type: number

Format: counter

status_102

Description Status 102 Stats

Type: number

Format: counter

status_1xx

Description Status 1xx Stats

Type: number

Format: counter

status_200

Description Status 200 Stats

Type: number

Format: counter

status_201

Description Status 201 Stats

Type: number

Format: counter

status_202

Description Status 202 Stats

Type: number

Format: counter

status_203

Description Status 203 Stats

Type: number

Format: counter

status_204

Description Status 204 Stats

Type: number

Format: counter

status_205

Description Status 205 Stats

Type: number

Format: counter

status_206

Description Status 206 Stats

Type: number

Format: counter

status_207

Description Status 207 Stats

Type: number

Format: counter

status_2xx

Description Status 2xx Stats

Type: number

Format: counter

status_300

Description Status 300 Stats

Type: number

Format: counter

status_301

Description Status 301 Stats

Type: number

Format: counter

status_302

Description Status 302 Stats

Type: number

Format: counter

status_303

Description Status 303 Stats

Type: number

Format: counter

status_304

Description Status 304 Stats

Type: number

Format: counter

status_305

Description Status 305 Stats

Type: number

Format: counter

status_306

Description Status 306 Stats

Type: number

Format: counter

status_307

Description Status 307 Stats

Type: number

Format: counter

status_3xx

Description Status 3xx Stats

Type: number

Format: counter

status_400

Description Status 400 Stats

Type: number

Format: counter

status_401

Description Status 401 Stats

Type: number

Format: counter

status_402

Description Status 402 Stats

Type: number

Format: counter

status_403

Description Status 403 Stats

Type: number

Format: counter

status_404

Description Status 404 Stats

Type: number

Format: counter

status_405

Description Status 405 Stats

Type: number

Format: counter

status_406

Description Status 406 Stats

Type: number

Format: counter

status_407

Description Status 407 Stats

Type: number

Format: counter

status_408

Description Status 408 Stats

Type: number

Format: counter

status_409

Description Status 409 Stats

Type: number

Format: counter

status_410

Description Status 410 Stats

Type: number

Format: counter

status_411

Description Status 411 Stats

Type: number

Format: counter

status_412

Description Status 412 Stats

Type: number

Format: counter

status_413

Description Status 413 Stats

Type: number

Format: counter

status_414

Description Status 414 Stats

Type: number

Format: counter

status_415

Description Status 415 Stats

Type: number

Format: counter

status_416

Description Status 416 Stats

Type: number

Format: counter

status_417

Description Status 417 Stats

Type: number

Format: counter

status_418

Description Status 418 Stats

Type: number

Format: counter

status_419

Description Status 419 Stats

Type: number

Format: counter

status_420

Description Status 420 Stats

Type: number

Format: counter

status_422

Description Status 422 Stats

Type: number

Format: counter

status_423

Description Status 423 Stats

Type: number

Format: counter

status_424

Description Status 424 Stats

Type: number

Format: counter

status_425

Description Status 425 Stats

Type: number

Format: counter

status_426

Description Status 426 Stats

Type: number

Format: counter

status_449

Description Status 449 Stats

Type: number

Format: counter

status_450

Description Status 450 Stats

Type: number

Format: counter

status_4xx

Description Status 4xx Stats

Type: number

Format: counter

status_500

Description Status 500 Stats

Type: number

Format: counter

status_501

Description Status 501 Stats

Type: number

Format: counter

status_502

Description Status 502 Stats

Type: number

Format: counter

status_503

Description Status 503 Stats

Type: number

Format: counter

status_504

Description Status 504 Stats

Type: number

Format: counter

status_505

Description Status 505 Stats

Type: number

Format: counter

status_506

Description Status 506 Stats

Type: number

Format: counter

status_507

Description Status 507 Stats

Type: number

Format: counter

status_508

Description Status 508 Stats

Type: number

Format: counter

status_509

Description Status 509 Stats

Type: number

Format: counter

status_510

Description Status 510 Stats

Type: number

Format: counter

status_5xx

Description Status 5xx Stats

Type: number

Format: counter

status_6xx

Description Status 6xx Stats

Type: number

Format: counter

status_unknown

Description Status Unknown Stats

Type: number

Format: counter

2.120.99 slb imap-proxy

Configure IMAP Proxy global

imap-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	imap-proxy
Element URI	/axapi/v3/slb/imap-proxy
Element Attributes	imap-proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/imap-proxy/stats
Operational Data URI	/axapi/v3/slb/imap-proxy/oper
Schema	`imap-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/imap-proxy

imap-proxy attributes

```
POST /axapi/v3/slb/imap-proxy
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "imap-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/imap-proxy

imap-proxy attributes

```
GET /axapi/v3/slb/imap-proxy
Reponse:
{
    "imap-proxy": {
        "uuid": "5172df34-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/imap-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/imap-proxy

imap-proxy attributes

Replace Object

PUT

/axapi/v3/slb/imap-proxy

imap-proxy attributes

```
PUT /axapi/v3/slb/imap-proxy
Payload:
{
    "imap-proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
```

(continues on next page)

(continued from previous page)

```
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/imap-proxy

imap-proxy attributes

```
DELETE /axapi/v3/slb/imap-proxy
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

imap-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'feat': feat packet; 'cc': clear ctrl port packet; 'data_ssl': data ssl force; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'auth_tls': auth tls cmd; 'prot': prot cmd; 'pbsz': pbsz cmd; 'pasv': pasv cmd; 'port': port cmd; 'request_dont_care': other cmd; 'client_auth_tls': client auth tls; 'cant_find_pasv': cant find pasv; 'pasv_addr_ne_server': psv addr not equal to svr; 'smp_create_fail': smp

create fail; 'data_server_conn_fail': data svr conn fail; 'data_send_fail': data send fail; 'epsv': epsv command; 'cant_find_epsv': cant find epsv; 'data_curr': Current Data Proxy; 'data_total': Total Data Proxy; 'auth_unsupported': Unsupported auth; 'adat': adat cmd; 'unsupported_pbsz_value': Unsupported PBSZ; 'unsupported_prot_value': Unsupported PROT; 'unsupported_command': Unsupported cmd; 'control_to_clear': Control chn clear txt; 'control_to_ssl': Control chn ssl; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'data_conn_start_err': Data Start state error; 'data_serv_connecting_err': Data Serv CTNG error; 'data_serv_connected_err': Data Serv CTED error; 'request': Total FTP Request; 'capability': Capability cmd; 'start_tls': Total Start TLS cmd; 'login': Total Login cmd; 'realloc_error': Realloc error; 'alloc_error': Alloc error; 'boundary_error': Boundary error; 'negative_error': Negative error;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, feat, cc, data_ssl, line_too_long, line_mem_freed, invalid_start_line, auth_tls, prot, pbsz, pasv, port, request_dont_care, client_auth_tls, cant_find_pasv, pasv_addr_ne_server, smp_create_fail, data_server_conn_fail, data_send_fail, epsv, cant_find_epsv, data_curr, data_total, auth_unsupported, adat, unsupported_pbsz_value, unsupported_prot_value, unsupported_command, control_to_clear, control_to_ssl, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, data_conn_start_err, data_serv_connecting_err, data_serv_connected_err, request, capability, start_tls, login, realloc_error, alloc_error, boundary_error, negative_error

2.120.100 slb imap-proxy oper

Operational Status for the object imap-proxy

imap-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	imap-proxy
Element URI	/axapi/v3/slb/imap-proxy/oper
Element Attributes	imap-proxy_attributes
Partition Visibility	None
Schema	`imap-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/imap-proxy/oper

imap-proxy attributes

Get Object

GET

/axapi/v3/slb/imap-proxy/oper

imap-proxy attributes

Modify Object

POST

/axapi/v3/slb/imap-proxy/oper

imap-proxy attributes

Replace Object

PUT

/axapi/v3/slb/imap-proxy/oper

imap-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/imap-proxy/oper

imap-proxy attributes

imap-proxy attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

imap-proxy-cpu-list

Type: List

oper_imap-proxy-cpu-list

Specification	Value
Type	*list*
Block object keys	

alloc_error

Description

Type: number

bad_seq

Description

Type: number

boundary_error

Description

Type: number

capability_packet

Description

Type: number

client_est_state_err

Description

Type: number

client_rq_state_err

Description

Type: number

control_chn_ssl

Description

Type: number

current_proxy_conns

Description

Type: number

imap_line_too_long

Description

Type: number

inv_start_line

Description

Type: number

login_packet

Description

Type: number

negative_error

Description

Type: number

no_route_failure

Description

Type: number

other_cmd

Description

Type: number

realloc_error

Description

Type: number

request_line_freed

Description

Type: number

serv_ctng_state_err

Description

Type: number

serv_resp_state_err

Description

Type: number

serv_sel_ins_tpl_fail

Description

Type: number

serv_sel_persist_fail

Description

Type: number

serv_sel_smpv4_fail

Description

Type: number

serv_sel_smpv6_fail

Description

Type: number

server_selection_failure

Description

Type: number

source_nat_failure

Description

Type: number

start_tls_cmd

Description

Type: number

total_imap_request

Description

Type: number

total_proxy_conns

Description

Type: number

2.120.101 slb imap-proxy stats

Statistics for the object imap-proxy

imap-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	imap-proxy
Element URI	/axapi/v3/slb/imap-proxy/stats
Element Attributes	imap-proxy_attributes
Partition Visibility	None
Schema	`imap-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/imap-proxy/stats

imap-proxy attributes

Get Object

GET

/axapi/v3/slb/imap-proxy/stats

imap-proxy attributes

Modify Object

POST

/axapi/v3/slb/imap-proxy/stats

imap-proxy attributes

Replace Object

PUT

/axapi/v3/slb/imap-proxy/stats

imap-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/imap-proxy/stats

imap-proxy attributes

imap-proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

adat

Description adat cmd

Type: number

Format: counter

alloc_error

Description Alloc error

Type: number

Format: counter

auth_tls

Description auth tls cmd

Type: number

Format: counter

auth_unsupported

Description Unsupported auth

Type: number

Format: counter

bad_sequence

Description Bad Sequence

Type: number

Format: counter

boundary_error

Description Boundary error

Type: number

Format: counter

cant_find_epsv

Description cant find epsv

Type: number

Format: counter

cant_find_pasv

Description cant find pasv

Type: number

Format: counter

capability

Description Capability cmd

Type: number

Format: counter

cc

Description clear ctrl port packet

Type: number

Format: counter

cl_est_err

Description Client EST state erro

Type: number

Format: counter

cl_request_err

Description Client RQ state error

Type: number

Format: counter

client_auth_tls

Description client auth tls

Type: number

Format: counter

control_to_clear

Description Control chn clear txt

Type: number

Format: counter

control_to_ssl

Description Control chn ssl

Type: number

Format: counter

curr

Description Current proxy conns

Type: number

Format: counter

data_conn_start_err

Description Data Start state error

Type: number

Format: counter

data_curr

Description Current Data Proxy

Type: number

Format: counter

data_send_fail

Description data send fail

Type: number

Format: counter

data_serv_connected_err

Description Data Serv CTED error

Type: number

Format: counter

data_serv_connecting_err

Description Data Serv CTNG error

Type: number

Format: counter

data_server_conn_fail

Description data svr conn fail

Type: number

Format: counter

data_ssl

Description data ssl force

Type: number

Format: counter

data_total

Description Total Data Proxy

Type: number

Format: counter

epsv

Description epsv command

Type: number

Format: counter

feat

Description feat packet

Type: number

Format: counter

insert_tuple_fail

Description Serv Sel insert tuple fail

Type: number

Format: counter

invalid_start_line

Description invalid start line

Type: number

Format: counter

line_mem_freed

Description request line freed

Type: number

Format: counter

line_too_long

Description line too long

Type: number

Format: counter

login

Description Total Login cmd

Type: number

Format: counter

negative_error

Description Negative error

Type: number

Format: counter

no_route

Description no route failure

Type: number

Format: counter

num

Description Num

Type: number

Format: counter

pasv

Description pasv cmd

Type: number

Format: counter

pasv_addr_ne_server

Description psv addr not equal to svr

Type: number

Format: counter

pbsz

Description pbsz cmd

Type: number

Format: counter

port

Description port cmd

Type: number

Format: counter

prot

Description prot cmd

Type: number

Format: counter

realloc_error

Description Realloc error

Type: number

Format: counter

request

Description Total FTP Request

Type: number

Format: counter

request_dont_care

Description other cmd

Type: number

Format: counter

rsv_persist_conn_fail

Description Serv Sel Persist fail

Type: number

Format: counter

ser_connecting_err

Description Serv CTNG state error

Type: number

Format: counter

server_response_err

Description Serv RESP state error

Type: number

Format: counter

smp_create_fail

Description smp create fail

Type: number

Format: counter

smp_v4_fail

Description Serv Sel SMPv4 fail

Type: number

Format: counter

smp_v6_fail

Description Serv Sel SMPv6 fail

Type: number

Format: counter

snat_fail

Description source nat failure

Type: number

Format: counter

start_tls

Description Total Start TLS cmd

Type: number

Format: counter

svrsel_fail

Description Server selection failure

Type: number

Format: counter

total

Description Total proxy conns

Type: number

Format: counter

unsupported_command

Description Unsupported cmd

Type: number

Format: counter

unsupported_pbsz_value

Description Unsupported PBSZ

Type: number

Format: counter

unsupported_prot_value

Description Unsupported PROT

Type: number

Format: counter

2.120.102 slb ip-dns-cache

Display ip dns cache

ip-dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-dns-cache
Element URI	/axapi/v3/slb/ip-dns-cache
Element Attributes	ip-dns-cache_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/ip-dns-cache/oper
Schema	`ip-dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

Get Object

GET

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

Modify Object

POST

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

Delete Object

DELETE

/axapi/v3/slb/ip-dns-cache

ip-dns-cache attributes

ip-dns-cache attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.103 slb ip-dns-cache oper

Operational Status for the object ip-dns-cache

ip-dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-dns-cache
Element URI	/axapi/v3/slb/ip-dns-cache/oper
Element Attributes	ip-dns-cache_attributes
Partition Visibility	None
Schema	`ip-dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ip-dns-cache/oper

ip-dns-cache attributes

Get Object

GET

/axapi/v3/slb/ip-dns-cache/oper

ip-dns-cache attributes

Modify Object

POST

/axapi/v3/slb/ip-dns-cache/oper

ip-dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/ip-dns-cache/oper

ip-dns-cache attributes

Delete Object

DELETE

/axapi/v3/slb/ip-dns-cache/oper

ip-dns-cache attributes

ip-dns-cache attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

domain-ip-list

Type: List

oper_domain-ip-list

Specification	Value
Type	*list*
Block object keys	

address

Description

Type: string

domain

Description

Type: string

interval

Description

Type: number

ttl

Description

Type: number

2.120.104 slb l4

Configure L4

l4 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l4
Element URI	/axapi/v3/slb/l4
Element Attributes	l4_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/l4/stats
Operational Data URI	/axapi/v3/slb/l4/oper
Schema	`l4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/l4

l4 attributes

```
POST /axapi/v3/slb/l4
Payload:
{
    "l4": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/l4

l4 attributes

```
GET /axapi/v3/slb/l4
Reponse:
{
    "l4": {
        "uuid": "5172db56-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/l4"
    }
}
```

Modify Object

POST

/axapi/v3/slb/l4

l4 attributes

Replace Object

PUT

/axapi/v3/slb/l4

l4 attributes

```
PUT /axapi/v3/slb/l4
Payload:
{
    "l4": {
        "sampling-enable": [
            {
                "counters1": "intcp"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/l4

l4 attributes

```
DELETE /axapi/v3/slb/l4
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

l4 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'intcp': TCP received; 'synreceived': TCP SYN received; 'tcp_fwd_last_ack': L4 rcv fwd last ACK; 'tcp_rev_last_ack': L4 rcv rev last ACK; 'tcp_rev_fin': L4 rcv rev FIN; 'tcp_fwd_fin': L4 rcv fwd FIN; 'tcp_fwd_ackfin': L4 rcv fwd FIN|ACK; 'inudp': UDP received; 'syncookiessent': TCP SYN cookie snt; 'syncookiessent_ts': TCP SYN cookie snt ts; 'syncookiessentfailed': TCP SYN cookie snt fail; 'outrst': TCP out RST; 'outrst_nosyn': TCP out RST no SYN; 'outrst_broker': TCP out RST L4 proxy; 'outrst_ack_attack': TCP out RST ACK attack; 'outrst_aflex': TCP out RST aFleX; 'outrst_stale_sess': TCP out RST stale sess; 'syn_stale_sess': SYN stale sess drop; 'outrst_tcpproxy': TCP out RST TCP proxy; 'svrselfail': Server sel failure; 'noroute': IP out noroute; 'snat_fail': Source NAT failure; 'snat_no_fwd_route': Source NAT no fwd route; 'snat_no_rev_route': Source NAT no rev route; 'snat_icmp_error_process': Source NAT ICMP Process; 'snat_icmp_no_match': Source NAT ICMP No Match; 'smart_nat_id_mismatch': Auto NAT id mismatch; 'syncookiescheckfailed': TCP SYN cookie failed; 'novport_drop': NAT no session drops; 'no_vport_drop': vport not matching drops; 'nosyn_drop': No SYN pkt drops; 'nosyn_drop_fin': No SYN pkt drops - FIN; 'nosyn_drop_rst': No SYN pkt drops - RST; 'nosyn_drop_ack': No SYN pkt drops - ACK; 'connlimit_drop': Conn Limit drops; 'connlimit_reset': Conn Limit resets; 'conn_rate_limit_drop': Conn rate limit drops; 'conn_rate_limit_reset': Conn rate limit resets; 'proxy_nosock_drop': Proxy no sock drops; 'drop_aflex': aFleX drops; 'sess_aged_out': Session aged out; 'tcp_sess_aged_out': TCP Session aged out; 'udp_sess_aged_out': UDP Session aged out; 'other_sess_aged_out': Other Session aged out; 'tcp_no_slb': TCP no SLB; 'udp_no_slb': UDP no SLB; 'throttle_syn': SYN Throttle; 'drop_gslb': Drop GSLB; 'inband_hm_retry': Inband HM retry; 'inband_hm_reassign': Inband HM reassign; 'auto_reassign': Auto-reselect server; 'fast_aging_set': Fast aging set; 'fast_aging_reset': Fast aging reset; 'dns_policy_drop': DNS Policy Drop; 'tcp_invalid_drop': TCP invalid drop; 'anomaly_out_seq': Anomaly out of sequence; 'anomaly_zero_win': Anomaly zero window; 'anomaly_bad_content': Anomaly bad content; 'anomaly_pbslb_drop': Anomaly pbslb drop; 'no_resourse_drop': No resource drop; 'reset_unknown_conn': Reset unknown conn; 'reset_l7_on_failover': RST L7 on failover; 'ignore_msl': ignore msl; 'l2_dsr': L2 DSR received; 'l3_dsr': L3 DSR received; 'port_preserve_attempt': NAT Port Preserve Try; 'port_preserve_succ': NAT Port Preserve Succ; 'tcpsyndata_drop': TCP SYN With Data Drop; 'tcpotherflags_drop': TCP SYN Other Flags Drop; 'bw_rate_limit_exceed': BW-Limit Exceed drop; 'bw_watermark_drop': BW-Watermark drop; 'l4_cps_exceed': L4 CPS exceed drop; 'nat_cps_exceed': NAT CPS exceed drop; 'l7_cps_exceed': L7 CPS exceed drop; 'ssl_cps_exceed': SSL CPS exceed drop; 'ssl_tpt_exceed': SSL TPT exceed drop; 'ssl_watermark_drop': SSL TPT-Watermark drop; 'concurrent_conn_exceed': L3V Conn Limit Drop; 'svr_syn_handshake_fail': L4 server handshake fail; 'stateless_conn_timeout': L4 stateless Conn TO; 'tcp_ax_rexmit_syn': L4 AX re-xmit SYN; 'tcp_syn_rcv_ack': L4 rcv ACK on SYN; 'tcp_syn_rcv_rst': L4 rcv RST on SYN; 'tcp_sess_noest_aged_out': TCP no-Est Sess aged out; 'tcp_sess_noest_csyn_rcv_aged_out': no-Est CSYN rcv aged out; 'tcp_sess_noest_ssyn_xmit_aged_out': no-Est SSYN snt aged out; 'tcp_rexmit_syn': L4 rcv rexmit SYN; 'tcp_rexmit_syn_delq': L4 rcv rexmit SYN (delq); 'tcp_rexmit_synack': L4 rcv rexmit SYN|ACK; 'tcp_rexmit_synack_delq': L4 rcv rexmit SYN|ACK DQ; 'tcp_fwd_fin_dup': L4 rcv fwd FIN dup; 'tcp_rev_fin_dup': L4 rcv rev FIN dup; 'tcp_rev_ackfin': L4 rcv rev FIN|ACK; 'tcp_fwd_rst': L4 rcv fwd RST; 'tcp_rev_rst': L4

rcv rev RST; 'udp_req_oneplus_no_resp': L4 UDP reqs no rsp; 'udp_req_one_oneplus_resp': L4 UDP req rsps; 'udp_req_resp_notmatch': L4 UDP req/rsp not match; 'udp_req_more_resp': L4 UDP req greater than rsps; 'udp_resp_more_req': L4 UDP rsps greater than reqs; 'udp_req_oneplus': L4 UDP reqs; 'udp_resp_oneplus': L4 UDP rsps; 'out_seq_ack_drop': Out of sequence ACK drop; 'tcp_est': L4 TCP Established; 'synattack': L4 SYN attack; 'syn_rate': TCP SYN rate per sec; 'syncookie_buff_drop': TCP SYN cookie buff drop; 'syncookie_buff_queue': TCP SYN cookie buff queue; 'skip_insert_client_ip': Skip Insert-client-ip; 'synreceived_hw': TCP SYN (HW SYN cookie); 'dns_id_switch': DNS query id switch; 'server_down_del': Server Down Del switch; 'dnssec_switch': DNSSEC SG switch; 'rate_drop_reset_unkn': Rate Drop reset; 'tcp_connections_closed': TCP Connections Closed; 'gtp_c_invalid_port': Invalid Packet Received on GTP VIP; 'gtp_c_invalid_header': Invalid Header Received on GTP VIP; 'gtp_c_invalid_message': Non Create Session/PDP Context Request/Response Received on GTP VIP; 'reselect_svrselfail': Server reselect failure; 'snat_port_overload_fail': Snat port overload fail; 'snat_force_preserve_alloc': Snat port preserve allocated; 'snat_force_preserve_free': Snat port preserve freed; 'proxy_header_insert': PROXY protocol header inserted; 'proxy_header_rexmit': PROXY protocol header retransmitted; 'proxy_prot_error': PROXY protocol error; 'proxy_prot_drop': PROXY protocol drop; 'slb_gtp_proxy_pkt_rcv_rr': SLB GTP proxy packet received on RR; 'slb_gtp_proxy_smp_match': SLB GTP proxy helper session found; 'slb_gtp_proxy_smp_no_match': SLB GTP proxy helper session not found; 'slb_gtp_proxy_c_process_local_rr': SLB GTP proxy messageprocessed locally on RR; 'slb_gtp_proxy_smp_creation_failed': SLB GTP proxy helper session creation failed; 'slb_gtp_proxy_smp_created': SLB GTP proxy helper session created; 'slb_gtp_proxy_smp_free_not_found': SLB GTP proxy session helper not found during cleanup; 'slb_gtp_proxy_smp_freed': SLB GTP proxy session helper freed; 'slb_gtp_proxy_retx_requests': SLB GTP proxy retx requests; 'pbslb_entry_limit_exceed': pbslb entry limit Exceed;

Type: string

Supported Values: all, intcp, synreceived, tcp_fwd_last_ack, tcp_rev_last_ack, tcp_rev_fin, tcp_fwd_fin, tcp_fwd_ackfin, inudp, syncookiessent, syncookiessent_ts, syncookiessentfailed, outrst, outrst_nosyn, outrst_broker, outrst_ack_attack, outrst_aflex, outrst_stale_sess, syn_stale_sess, outrst_tcpproxy, svrselfail, noroute, snat_fail, snat_no_fwd_route, snat_no_rev_route, snat_icmp_error_process, snat_icmp_no_match, smart_nat_id_mismatch, syncookiescheckfailed, novport_drop, no_vport_drop, nosyn_drop, nosyn_drop_fin, nosyn_drop_rst, nosyn_drop_ack, connlimit_drop, connlimit_reset, conn_rate_limit_drop, conn_rate_limit_reset, proxy_nosock_drop, drop_aflex, sess_aged_out, tcp_sess_aged_out, udp_sess_aged_out, other_sess_aged_out, tcp_no_slb, udp_no_slb, throttle_syn, drop_gslb, inband_hm_retry, inband_hm_reassign, auto_reassign, fast_aging_set, fast_aging_reset, dns_policy_drop, tcp_invalid_drop, anomaly_out_seq, anomaly_zero_win, anomaly_bad_content, anomaly_pbslb_drop, no_resourse_drop, reset_unknown_conn, reset_l7_on_failover, ignore_msl, l2_dsr, l3_dsr, port_preserve_attempt, port_preserve_succ, tcpsyndata_drop, tcpotherflags_drop, bw_rate_limit_exceed, bw_watermark_drop, l4_cps_exceed, nat_cps_exceed, l7_cps_exceed, ssl_cps_exceed, ssl_tpt_exceed, ssl_watermark_drop, concurrent_conn_exceed, svr_syn_handshake_fail, stateless_conn_timeout, tcp_ax_rexmit_syn, tcp_syn_rcv_ack, tcp_syn_rcv_rst, tcp_sess_noest_aged_out, tcp_sess_noest_csyn_rcv_aged_out, tcp_sess_noest_ssyn_xmit_aged_out, tcp_rexmit_syn, tcp_rexmit_syn_delq, tcp_rexmit_synack, tcp_rexmit_synack_delq, tcp_fwd_fin_dup, tcp_rev_fin_dup, tcp_rev_ackfin, tcp_fwd_rst, tcp_rev_rst, udp_req_oneplus_no_resp, udp_req_one_oneplus_resp, udp_req_resp_notmatch, udp_req_more_resp, udp_resp_more_req, udp_req_oneplus, udp_resp_oneplus, out_seq_ack_drop, tcp_est, synattack, syn_rate, syncookie_buff_drop, syncookie_buff_queue, skip_insert_client_ip, synreceived_hw, dns_id_switch,

server_down_del, dnssec_switch, rate_drop_reset_unkn, tcp_connections_closed, gtp_c_invalid_port, gtp_c_invalid_header, gtp_c_invalid_message, reselect_svrselfail, snat_port_overload_fail, snat_force_preserve_alloc, snat_force_preserve_free, proxy_header_insert, proxy_header_rexmit, proxy_prot_error, proxy_prot_drop, slb_gtp_proxy_pkt_rcv_rr, slb_gtp_proxy_smp_match, slb_gtp_proxy_smp_no_match, slb_gtp_proxy_c_process_local_rr, slb_gtp_proxy_smp_creation_failed, slb_gtp_proxy_smp_created, slb_gtp_proxy_smp_free_not_found, slb_gtp_proxy_smp_freed, slb_gtp_proxy_retx_requests, pbslb_entry_limit_exceed, fast_path_reroute, fast_path_l2_reroute

2.120.105 slb l4 oper

Operational Status for the object l4

l4 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l4
Element URI	/axapi/v3/slb/l4/oper
Element Attributes	l4_attributes
Partition Visibility	None
Schema	`l4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/l4/oper

l4 attributes

Get Object

GET

/axapi/v3/slb/l4/oper

l4 attributes

Modify Object

POST

/axapi/v3/slb/l4/oper

l4 attributes

Replace Object

PUT

/axapi/v3/slb/l4/oper

l4 attributes

Delete Object

DELETE

/axapi/v3/slb/l4/oper

l4 attributes

l4 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

l4-cpu-list

Type: List

oper_l4-cpu-list

Specification	Value
Type	*list*
Block object keys	

aflex_drop

Description

Type: number

anomaly_bad_content

Description

Type: number

anomaly_out_seq

Description

Type: number

anomaly_pbslb_drop

Description

Type: number

anomaly_zero_win

Description

Type: number

auto_reassign

Description

Type: number

ax_rexmit_syn

Description

Type: number

bw_rate_limit_exceed_drop

Description

Type: number

bw_watermark_drop

Description

Type: number

conn_limit_exceed_drop

Description

Type: number

conn_rate_limit_drop

Description

Type: number

conn_rate_limit_reset

Description

Type: number

connlimit_drop

Description

Type: number

connlimit_reset

Description

Type: number

dns_id_switch

Description

Type: number

dnssec_switch

Description

Type: number

fast_aging_reset

Description

Type: number

fast_aging_set

Description

Type: number

fast_path_l2_reroute

Description

Type: number

fast_path_reroute

Description

Type: number

gtp_c_invalid_header

Description

Type: number

gtp_c_invalid_message

Description

Type: number

gtp_c_invalid_port

Description

Type: number

ignore_msl

Description

Type: number

inband_hm_reassign

Description

Type: number

inband_hm_retry

Description

Type: number

intcp

Description

Type: number

inudp

Description

Type: number

ip_outnoroute

Description

Type: number

l2_dsr

Description

Type: number

l3_dsr

Description

Type: number

l4_cps_exceed_drop

Description

Type: number

l4_svr_handshake_fail

Description

Type: number

l7_cps_exceed_drop

Description

Type: number

nat_cps_exceed_drop

Description

Type: number

no_resource_drop

Description

Type: number

no_vport_drop

Description

Type: number

noest_client_syn_aged_out

Description

Type: number

noest_server_syn_xmit_aged_out

Description

Type: number

nosyn_drop

Description

Type: number

nosyn_drop_ack

Description

Type: number

nosyn_drop_fin

Description

Type: number

nosyn_drop_rst

Description

Type: number

novport_drop

Description

Type: number

other_sess_aged_out

Description

Type: number

out_seq_ack_drop

Description

Type: number

pbslb_entry_limit_exceed

Description

Type: number

port_preserve_attempt

Description

Type: number

port_preserve_succ

Description

Type: number

proxy_header_insert

Description

Type: number

proxy_header_rexmit

Description

Type: number

proxy_nosock_drop

Description

Type: number

proxy_prot_drop

Description

Type: number

proxy_prot_error

Description

Type: number

rcv_ack_on_syn

Description

Type: number

rcv_fwd_fin

Description

Type: number

rcv_fwd_fin_dup

Description

Type: number

rcv_fwd_finack

Description

Type: number

rcv_fwd_last_ack

Description

Type: number

rcv_fwd_rst

Description

Type: number

rcv_req_morethan_rsps

Description

Type: number

rcv_req_not_match

Description

Type: number

rcv_req_rsps

Description

Type: number

rcv_reqs_no_rsp

Description

Type: number

rcv_rev_fin

Description

Type: number

rcv_rev_fin_dup

Description

Type: number

rcv_rev_finack

Description

Type: number

rcv_rev_last_ack

Description

Type: number

rcv_rev_rst

Description

Type: number

rcv_rexmit_syn

Description

Type: number

rcv_rexmit_syn_delq

Description

Type: number

rcv_rexmit_synack

Description

Type: number

rcv_rexmit_synack_delq

Description

Type: number

rcv_rsps_morethan_reqs

Description

Type: number

rcv_rst_on_syn

Description

Type: number

rcv_udp_reqs

Description

Type: number

rcv_udp_rsps

Description

Type: number

reselect_svrselfail

Description

Type: number

reset_l7_on_failover

Description

Type: number

reset_unknown_conn

Description

Type: number

server_down_del

Description

Type: number

sess_aged_out

Description

Type: number

skip_insert_client_ip

Description

Type: number

slb_gtp_proxy_c_process_local_rr

Description

Type: number

slb_gtp_proxy_pkt_rcv_rr

Description

Type: number

slb_gtp_proxy_retx_requests

Description

Type: number

slb_gtp_proxy_smp_created

Description

Type: number

slb_gtp_proxy_smp_creation_failed

Description

Type: number

slb_gtp_proxy_smp_free_not_found

Description

Type: number

slb_gtp_proxy_smp_freed

Description

Type: number

slb_gtp_proxy_smp_match

Description

Type: number

slb_gtp_proxy_smp_no_match

Description

Type: number

smart_nat_id_mismatch

Description

Type: number

snat_fail

Description

Type: number

snat_force_preserve_alloc

Description

Type: number

snat_force_preserve_free

Description

Type: number

snat_icmp_error_process

Description

Type: number

snat_icmp_no_match

Description

Type: number

snat_no_fwd_route

Description

Type: number

snat_no_rev_route

Description

Type: number

snat_port_overload_fail

Description

Type: number

ssl_cps_exceed_drop

Description

Type: number

ssl_tpt_exceed_drop

Description

Type: number

ssl_watermark_drop

Description

Type: number

stateless_conn_timeout

Description

Type: number

svr_sel_failed

Description

Type: number

synattack

Description

Type: number

syncookies_buff_drop

Description

Type: number

syncookies_buff_queue

Description

Type: number

tcp_connections_closed

Description

Type: number

tcp_est

Description

Type: number

tcp_invalid_drop

Description

Type: number

tcp_no_slb

Description

Type: number

tcp_noest_aged_out

Description

Type: number

tcp_outrst

Description

Type: number

tcp_outrst_ack_attack

Description

Type: number

tcp_outrst_aflex

Description

Type: number

tcp_outrst_broker

Description

Type: number

tcp_outrst_nosyn

Description

Type: number

tcp_outrst_stale_sess

Description

Type: number

tcp_outrst_tcpproxy

Description

Type: number

tcp_sess_aged_out

Description

Type: number

tcp_syn_otherflags

Description

Type: number

tcp_syn_rate

Description

Type: number

tcp_syn_stale_sess

Description

Type: number

tcp_syn_withdata

Description

Type: number

tcp_syncookiescheckfailed

Description

Type: number

tcp_syncookiessent

Description

Type: number

tcp_syncookiessent_ts

Description

Type: number

tcp_syncookiessentfailed

Description

Type: number

tcp_synreceived

Description

Type: number

tcp_synreceived_hw

Description

Type: number

throttle_syn

Description

Type: number

udp_no_slb

Description

Type: number

udp_sess_aged_out

Description

Type: number

2.120.106 slb l4 stats

Statistics for the object l4

l4 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l4
Element URI	/axapi/v3/slb/l4/stats
Element Attributes	l4_attributes
Partition Visibility	None
Schema	`l4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/l4/stats

l4 attributes

Get Object

GET

/axapi/v3/slb/l4/stats

l4 attributes

Modify Object

POST

/axapi/v3/slb/l4/stats

l4 attributes

Replace Object

PUT

/axapi/v3/slb/l4/stats

l4 attributes

Delete Object

DELETE

/axapi/v3/slb/l4/stats

l4 attributes

l4 attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

anomaly_bad_content

Description Anomaly bad content

Type: number

Format: counter

anomaly_out_seq

Description Anomaly out of sequence

Type: number

Format: counter

anomaly_pbslb_drop

Description Anomaly pbslb drop

Type: number

Format: counter

anomaly_zero_win

Description Anomaly zero window

Type: number

Format: counter

auto_reassign

Description Auto-reselect server

Type: number

Format: counter

bw_rate_limit_exceed

Description BW-Limit Exceed drop

Type: number

Format: counter

bw_watermark_drop

Description BW-Watermark drop

Type: number

Format: counter

concurrent_conn_exceed

Description L3V Conn Limit Drop

Type: number

Format: counter

conn_rate_limit_drop

Description Conn rate limit drops

Type: number

Format: counter

conn_rate_limit_reset

Description Conn rate limit resets

Type: number

Format: counter

connlimit_drop

Description Conn Limit drops

Type: number

Format: counter

connlimit_reset

Description Conn Limit resets

Type: number

Format: counter

dns_id_switch

Description DNS query id switch

Type: number

Format: counter

dns_policy_drop

Description DNS Policy Drop

Type: number

Format: counter

dnssec_switch

Description DNSSEC SG switch

Type: number

Format: counter

drop_aflex

Description aFleX drops

Type: number

Format: counter

drop_gslb

Description Drop GSLB

Type: number

Format: counter

fast_aging_reset

Description Fast aging reset

Type: number

Format: counter

fast_aging_set

Description Fast aging set

Type: number

Format: counter

fast_path_l2_reroute

Description Fast Path L2 Reroute

Type: number

Format: counter

fast_path_reroute

Description Fast Path Reroute

Type: number

Format: counter

gtp_c_invalid_header

Description Invalid Header Received on GTP VIP

Type: number

Format: counter

gtp_c_invalid_message

Description Non Create Session/PDP Context Request/Response Received on GTP VIP

Type: number

Format: counter

gtp_c_invalid_port

Description Invalid Packet Received on GTP VIP

Type: number

Format: counter

ignore_msl

Description ignore msl

Type: number

Format: counter

inband_hm_reassign

Description Inband HM reassign

Type: number

Format: counter

inband_hm_retry

Description Inband HM retry

Type: number

Format: counter

intcp

Description TCP received

Type: number

Format: counter

inudp

Description UDP received

Type: number

Format: counter

l2_dsr

Description L2 DSR received

Type: number

Format: counter

l3_dsr

Description L3 DSR received

Type: number

Format: counter

l4_cps_exceed

Description L4 CPS exceed drop

Type: number

Format: counter

l7_cps_exceed

Description L7 CPS exceed drop

Type: number

Format: counter

nat_cps_exceed

Description NAT CPS exceed drop

Type: number

Format: counter

no_resourse_drop

Description No resource drop

Type: number

Format: counter

no_vport_drop

Description vport not matching drops

Type: number

Format: counter

noroute

Description IP out noroute

Type: number

Format: counter

nosyn_drop

Description No SYN pkt drops

Type: number

Format: counter

nosyn_drop_ack

Description No SYN pkt drops - ACK

Type: number

Format: counter

nosyn_drop_fin

Description No SYN pkt drops - FIN

Type: number

Format: counter

nosyn_drop_rst

Description No SYN pkt drops - RST

Type: number

Format: counter

novport_drop

Description NAT no session drops

Type: number

Format: counter

other_sess_aged_out

Description Other Session aged out

Type: number

Format: counter

out_seq_ack_drop

Description Out of sequence ACK drop

Type: number

Format: counter

outrst

Description TCP out RST

Type: number

Format: counter

outrst_ack_attack

Description TCP out RST ACK attack

Type: number

Format: counter

outrst_aflex

Description TCP out RST aFleX

Type: number

Format: counter

outrst_broker

Description TCP out RST L4 proxy

Type: number

Format: counter

outrst_nosyn

Description TCP out RST no SYN

Type: number

Format: counter

outrst_stale_sess

Description TCP out RST stale sess

Type: number

Format: counter

outrst_tcpproxy

Description TCP out RST TCP proxy

Type: number

Format: counter

pbslb_entry_limit_exceed

Description pbslb entry limit Exceed

Type: number

Format: counter

port_preserve_attempt

Description NAT Port Preserve Try

Type: number

Format: counter

port_preserve_succ

Description NAT Port Preserve Succ

Type: number

Format: counter

proxy_header_insert

Description PROXY protocol header inserted

Type: number

Format: counter

proxy_header_rexmit

Description PROXY protocol header retransmitted

Type: number

Format: counter

proxy_nosock_drop

Description Proxy no sock drops

Type: number

Format: counter

proxy_prot_drop

Description PROXY protocol drop

Type: number

Format: counter

proxy_prot_error

Description PROXY protocol error

Type: number

Format: counter

rate_drop_reset_unkn

Description Rate Drop reset

Type: number

Format: counter

reselect_svrselfail

Description Server reselect failure

Type: number

Format: counter

reset_l7_on_failover

Description RST L7 on failover

Type: number

Format: counter

reset_unknown_conn

Description Reset unknown conn

Type: number

Format: counter

server_down_del

Description Server Down Del switch

Type: number

Format: counter

sess_aged_out

Description Session aged out

Type: number

Format: counter

skip_insert_client_ip

Description Skip Insert-client-ip

Type: number

Format: counter

slb_gtp_proxy_c_process_local_rr

Description SLB GTP proxy messageprocessed locally on RR

Type: number

Format: counter

slb_gtp_proxy_retx_requests

Description SLB GTP proxy retx requests

Type: number

Format: counter

slb_gtp_proxy_smp_created

Description SLB GTP proxy helper session created

Type: number

Format: counter

slb_gtp_proxy_smp_creation_failed

Description SLB GTP proxy helper session creation failed

Type: number

Format: counter

slb_gtp_proxy_smp_free_not_found

Description SLB GTP proxy session helper not found during cleanup

Type: number

Format: counter

slb_gtp_proxy_smp_freed

Description SLB GTP proxy session helper freed

Type: number

Format: counter

slb_gtp_proxy_smp_match

Description SLB GTP proxy helper session found

Type: number

Format: counter

slb_gtp_proxy_smp_no_match

Description SLB GTP proxy helper session not found

Type: number

Format: counter

smart_nat_id_mismatch

Description Auto NAT id mismatch

Type: number

Format: counter

snat_fail

Description Source NAT failure

Type: number

Format: counter

snat_force_preserve_alloc

Description Snat port preserve allocated

Type: number

Format: counter

snat_force_preserve_free

Description Snat port preserve freed

Type: number

Format: counter

snat_icmp_error_process

Description Source NAT ICMP Process

Type: number

Format: counter

snat_icmp_no_match

Description Source NAT ICMP No Match

Type: number

Format: counter

snat_no_fwd_route

Description Source NAT no fwd route

Type: number

Format: counter

snat_no_rev_route

Description Source NAT no rev route

Type: number

Format: counter

snat_port_overload_fail

Description Snat port overload fail

Type: number

Format: counter

ssl_cps_exceed

Description SSL CPS exceed drop

Type: number

Format: counter

ssl_tpt_exceed

Description SSL TPT exceed drop

Type: number

Format: counter

ssl_watermark_drop

Description SSL TPT-Watermark drop

Type: number

Format: counter

stateless_conn_timeout

Description L4 stateless Conn TO

Type: number

Format: counter

svr_syn_handshake_fail

Description L4 server handshake fail

Type: number

Format: counter

svrselfail

Description Server sel failure

Type: number

Format: counter

syn_rate

Description TCP SYN rate per sec

Type: number

Format: counter

syn_stale_sess

Description SYN stale sess drop

Type: number

Format: counter

synattack

Description L4 SYN attack

Type: number

Format: counter

syncookie_buff_drop

Description TCP SYN cookie buff drop

Type: number

Format: counter

syncookie_buff_queue

Description TCP SYN cookie buff queue

Type: number

Format: counter

syncookiescheckfailed

Description TCP SYN cookie failed

Type: number

Format: counter

syncookiessent

Description TCP SYN cookie snt

Type: number

Format: counter

syncookiessent_ts

Description TCP SYN cookie snt ts

Type: number

Format: counter

syncookiessentfailed

Description TCP SYN cookie snt fail

Type: number

Format: counter

synreceived

Description TCP SYN received

Type: number

Format: counter

synreceived_hw

Description TCP SYN (HW SYN cookie)

Type: number

Format: counter

tcp_ax_rexmit_syn

Description L4 AX re-xmit SYN

Type: number

Format: counter

tcp_connections_closed

Description TCP Connections Closed

Type: number

Format: counter

tcp_est

Description L4 TCP Established

Type: number

Format: counter

tcp_fwd_ackfin

Description L4 rcv fwd FIN|ACK

Type: number

Format: counter

tcp_fwd_fin

Description L4 rcv fwd FIN

Type: number

Format: counter

tcp_fwd_fin_dup

Description L4 rcv fwd FIN dup

Type: number

Format: counter

tcp_fwd_last_ack

Description L4 rcv fwd last ACK

Type: number

Format: counter

tcp_fwd_rst

Description L4 rcv fwd RST

Type: number

Format: counter

tcp_invalid_drop

Description TCP invalid drop

Type: number

Format: counter

tcp_no_slb

Description TCP no SLB

Type: number

Format: counter

tcp_rev_ackfin

Description L4 rcv rev FIN|ACK

Type: number

Format: counter

tcp_rev_fin

Description L4 rcv rev FIN

Type: number

Format: counter

tcp_rev_fin_dup

Description L4 rcv rev FIN dup

Type: number

Format: counter

tcp_rev_last_ack

Description L4 rcv rev last ACK

Type: number

Format: counter

tcp_rev_rst

Description L4 rcv rev RST

Type: number

Format: counter

tcp_rexmit_syn

Description L4 rcv rexmit SYN

Type: number

Format: counter

tcp_rexmit_syn_delq

Description L4 rcv rexmit SYN (delq)

Type: number

Format: counter

tcp_rexmit_synack

Description L4 rcv rexmit SYN|ACK

Type: number

Format: counter

tcp_rexmit_synack_delq

Description L4 rcv rexmit SYN|ACK DQ

Type: number

Format: counter

tcp_sess_aged_out

Description TCP Session aged out

Type: number

Format: counter

tcp_sess_noest_aged_out

Description TCP no-Est Sess aged out

Type: number

Format: counter

tcp_sess_noest_csyn_rcv_aged_out

Description no-Est CSYN rcv aged out

Type: number

Format: counter

tcp_sess_noest_ssyn_xmit_aged_out

Description no-Est SSYN snt aged out

Type: number

Format: counter

tcp_syn_rcv_ack

Description L4 rcv ACK on SYN

Type: number

Format: counter

tcp_syn_rcv_rst

Description L4 rcv RST on SYN

Type: number

Format: counter

tcpotherflags_drop

Description TCP SYN Other Flags Drop

Type: number

Format: counter

tcpsyndata_drop

Description TCP SYN With Data Drop

Type: number

Format: counter

throttle_syn

Description SYN Throttle

Type: number

Format: counter

udp_no_slb

Description UDP no SLB

Type: number

Format: counter

udp_req_more_resp

Description L4 UDP req greater than rsps

Type: number

Format: counter

udp_req_one_oneplus_resp

Description L4 UDP req rsps

Type: number

Format: counter

udp_req_oneplus

Description L4 UDP reqs

Type: number

Format: counter

udp_req_oneplus_no_resp

Description L4 UDP reqs no rsp

Type: number

Format: counter

udp_req_resp_notmatch

Description L4 UDP req/rsp not match

Type: number

Format: counter

udp_resp_more_req

Description L4 UDP rsps greater than reqs

Type: number

Format: counter

udp_resp_oneplus

Description L4 UDP rsps

Type: number

Format: counter

udp_sess_aged_out

Description UDP Session aged out

Type: number

Format: counter

2.120.107 slb l7session

Configure l7session

l7session Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l7session
Element URI	/axapi/v3/slb/l7session
Element Attributes	l7session_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/l7session/stats
Schema	`l7session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/l7session

l7session attributes

```
POST /axapi/v3/slb/l7session
Payload:
{
    "l7session": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/l7session

l7session attributes

```
GET /axapi/v3/slb/l7session
Reponse:
{
    "l7session": {
        "uuid": "5172ab04-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/l7session"
    }
}
```

Modify Object

POST

/axapi/v3/slb/l7session

l7session attributes

Replace Object

PUT

/axapi/v3/slb/l7session

l7session attributes

```
PUT /axapi/v3/slb/l7session
Payload:
{
    "l7session": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "start_server_conn_succ"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/l7session

l7session attributes

```
DELETE /axapi/v3/slb/l7session
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

l7session attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'start_server_conn_succ': Start Server Conn Success; 'conn_not_exist': Conn does not exist; 'data_event': Data event from TCP; 'client_fin': FIN from client; 'server_fin': FIN from server; 'wbuf_event': Wbuf event from TCP; 'wbuf_cb_failed': Wbuf event callback failed; 'err_event': Err event from TCP; 'err_cb_failed': Err event callback failed; 'server_conn_failed': Server connection failed; 'client_rst': RST

from client; 'server_rst': RST from server; 'client_rst_req': RST from client - request; 'client_rst_connecting': RST from client - connecting; 'client_rst_connected': RST from client - connected; 'client_rst_rsp': RST from client - response; 'server_rst_req': RST from server - request; 'server_rst_connecting': RST from server - connecting; 'server_rst_connected': RST from server - connected; 'server_rst_rsp': RST from server - response; 'proxy_v1_connection': counter for Proxy v1 connection; 'proxy_v2_connection': counter for Proxy v2 connection; 'curr_proxy': Curr proxy conn; 'curr_proxy_client': Curr proxy conn - client; 'curr_proxy_server': Curr proxy conn - server; 'curr_proxy_es': Curr proxy conn - ES; 'total_proxy': Total proxy conn; 'total_proxy_client': Total proxy conn - client; 'total_proxy_server': Total proxy conn - server; 'total_proxy_es': Total proxy conn - ES; 'server_select_fail': Server selection fail; 'est_event': Est event from TCP; 'est_cb_failed': Est event callback fail; 'data_cb_failed': Data event callback fail; 'hps_fwdreq_fail': Fwd req fail; 'hps_fwdreq_fail_buff': Fwd req fail - buff; 'hps_fwdreq_fail_rport': Fwd req fail - rport; 'hps_fwdreq_fail_route': Fwd req fail - route; 'hps_fwdreq_fail_persist': Fwd req fail - persist; 'hps_fwdreq_fail_server': Fwd req fail - server; 'hps_fwdreq_fail_tuple': Fwd req fail - tuple; 'udp_data_event': Data event from UDP;

Type: string

Supported Values: all, start_server_conn_succ, conn_not_exist, data_event, client_fin, server_fin, wbuf_event, wbuf_cb_failed, err_event, err_cb_failed, server_conn_failed, client_rst, server_rst, client_rst_req, client_rst_connecting, client_rst_connected, client_rst_rsp, server_rst_req, server_rst_connecting, server_rst_connected, server_rst_rsp, proxy_v1_connection, proxy_v2_connection, curr_proxy, curr_proxy_client, curr_proxy_server, curr_proxy_es, total_proxy, total_proxy_client, total_proxy_server, total_proxy_es, server_select_fail, est_event, est_cb_failed, data_cb_failed, hps_fwdreq_fail, hps_fwdreq_fail_buff, hps_fwdreq_fail_rport, hps_fwdreq_fail_route, hps_fwdreq_fail_persist, hps_fwdreq_fail_server, hps_fwdreq_fail_tuple, udp_data_event, transaction_cleaned, old_server_cleaned, server_not_cleaned, client_not_cleaned, invalid_server

2.120.108 slb l7session stats

Statistics for the object l7session

l7session Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l7session
Element URI	/axapi/v3/slb/l7session/stats
Element Attributes	l7session_attributes
Partition Visibility	None
Schema	`l7session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/l7session/stats

l7session attributes

Get Object

GET

/axapi/v3/slb/l7session/stats

l7session attributes

Modify Object

POST

/axapi/v3/slb/l7session/stats

l7session attributes

Replace Object

PUT

/axapi/v3/slb/l7session/stats

l7session attributes

Delete Object

DELETE

/axapi/v3/slb/l7session/stats

l7session attributes

l7session attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_fin

Description FIN from client

Type: number

Format: counter

client_rst

Description RST from client

Type: number

Format: counter

conn_not_exist

Description Conn does not exist

Type: number

Format: counter

curr_proxy

Description Curr proxy conn

Type: number

Format: counter

data_cb_failed

Description Data event callback fail

Type: number

Format: counter

data_event

Description Data event from TCP

Type: number

Format: counter

err_cb_failed

Description Err event callback failed

Type: number

Format: counter

err_event

Description Err event from TCP

Type: number

Format: counter

hps_fwdreq_fail

Description Fwd req fail

Type: number

Format: counter

server_conn_failed

Description Server connection failed

Type: number

Format: counter

server_fin

Description FIN from server

Type: number

Format: counter

server_rst

Description RST from server

Type: number

Format: counter

server_select_fail

Description Server selection fail

Type: number

Format: counter

start_server_conn_succ

Description Start Server Conn Success

Type: number

Format: counter

total_proxy

Description Total proxy conn

Type: number

Format: counter

udp_data_event

Description Data event from UDP

Type: number

Format: counter

wbuf_cb_failed

Description Wbuf event callback failed

Type: number

Format: counter

wbuf_event

Description Wbuf event from TCP

Type: number

Format: counter

2.120.109 slb link-probe

Link Probe (NHLD) related oper Info and Stats

link-probe Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	link-probe
Element URI	/axapi/v3/slb/link-probe
Element Attributes	link-probe_attributes
Partition Visibility	shared
Schema	`link-probe schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/link-probe

link-probe_attributes

link-probe attributes

entry

Description: entry is a **JSON Block**. Please see below for *entry*

Type: Object

Reference Object: */axapi/v3/slb/link-probe/entry*

entry

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

entry_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_tmpl_probe_create_failed': Probe Template Creation Failure; 'err_tmpl_probe_create_oom': Probe Template Creation Out of Memory; 'total_http_probes_sent': Total HTTP Probes Sent out; 'total_http_response_received': Total HTTP responses received; 'total_http_response_good': Total HTTP responses matching probe template config; 'total_http_response_bad': Total HTTP responses not matching probe template config; 'total_tcp_err': Total TCP errors in probes sent out; 'err_smart_nat_alloc': Error creating Smart NAT Instance; 'err_smart_nat_port_alloc': Error obtaining Smart NAT source port; 'err_l4_sess_alloc': Error allocating L4 session for probe; 'err_probe_tcp_conn_send': Error in initiating TCP connection for probe; 'probe_tcp_conn_sent': TCP connection sent for probe;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_ready_to_free, total_freed, err_entry_create_failed, err_entry_create_oom, err_entry_insert_failed, err_tmpl_probe_create_failed, err_tmpl_probe_create_oom, total_http_probes_sent, total_http_response_received, total_http_response_good, total_http_response_bad, total_tcp_err, err_smart_nat_alloc, err_smart_nat_port_alloc, err_l4_sess_alloc, err_probe_tcp_conn_send, probe_tcp_conn_sent

2.120.110 slb link-probe entry

Show SLB Link Probe entries

entry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	entry
Element URI	/axapi/v3/slb/link-probe/entry
Element Attributes	entry_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/link-probe/entry/stats
Operational Data URI	/axapi/v3/slb/link-probe/entry/oper
Schema	`entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/link-probe/entry

entry attributes

```
POST /axapi/v3/slb/link-probe/entry
Payload:
{
    "entry": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/link-probe/entry

entry attributes

```
GET /axapi/v3/slb/link-probe/entry
Reponse:
{
    "entry": {
        "uuid": "5172f6e0-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/link-probe/entry"
    }
}
```

Modify Object

POST

/axapi/v3/slb/link-probe/entry

entry attributes

Replace Object

PUT

/axapi/v3/slb/link-probe/entry

entry attributes

```
PUT /axapi/v3/slb/link-probe/entry
```

(continues on next page)

(continued from previous page)

```
Payload:
{
    "entry": {
        "sampling-enable": [
            {
                "counters1": "curr_entries"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/link-probe/entry

entry attributes

```
DELETE /axapi/v3/slb/link-probe/entry
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

entry attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current Entry Count; 'total_created': Total Entry Created; 'total_inserted': Total Entry Inserted; 'total_ready_to_free': Total Entry Ready To Free; 'total_freed': Total Entry Freed; 'err_entry_create_failed': Entry Creation Failure; 'err_entry_create_oom': Entry Creation Out of Memory; 'err_entry_insert_failed': Entry Insert Failed; 'err_tmpl_probe_create_failed': Probe Template Creation Failure; 'err_tmpl_probe_create_oom': Probe Template Creation Out of Memory; 'total_http_probes_sent': Total HTTP Probes Sent out; 'total_http_response_received': Total HTTP responses received; 'total_http_response_good': Total HTTP responses matching probe template config; 'total_http_response_bad': Total HTTP responses not matching probe template config; 'total_tcp_err': Total TCP errors in probes sent out; 'err_smart_nat_alloc': Error creating Smart NAT Instance; 'err_smart_nat_port_alloc': Error obtaining Smart NAT source port; 'err_l4_sess_alloc': Error allocating L4 session for probe; 'err_probe_tcp_conn_send': Error in initiating TCP connection for probe; 'probe_tcp_conn_sent': TCP connection sent for probe;

Type: string

Supported Values: all, curr_entries, total_created, total_inserted, total_ready_to_free, total_freed, err_entry_create_failed, err_entry_create_oom, err_entry_insert_failed, err_tmpl_probe_create_failed, err_tmpl_probe_create_oom, total_http_probes_sent, total_http_response_received, total_http_response_good, total_http_response_bad, total_tcp_err, err_smart_nat_alloc, err_smart_nat_port_alloc, err_l4_sess_alloc, err_probe_tcp_conn_send, probe_tcp_conn_sent

2.120.111 slb link-probe entry oper

Operational Status for the object entry

entry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	entry
Element URI	/axapi/v3/slb/link-probe/entry/oper
Element Attributes	entry_attributes
Partition Visibility	None
Schema	`entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/link-probe/entry/oper

entry attributes

Get Object

GET

/axapi/v3/slb/link-probe/entry/oper

entry attributes

Modify Object

POST

/axapi/v3/slb/link-probe/entry/oper

entry attributes

Replace Object

PUT

/axapi/v3/slb/link-probe/entry/oper

entry attributes

Delete Object

DELETE

/axapi/v3/slb/link-probe/entry/oper

entry attributes

entry attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

entry-list

Type: List

oper_entry-list

Specification	Value
Type	*list*
Block object keys	

curr_probe_count

Description

Type: number

data_cpu_id

Description

Type: number

domain_name

Description

Type: string

ip_type

Description

Type: number

ipv4_addr

Description

Type: string

Format: ipv4-address

ipv6_addr

Description

Type: string

Format: ipv6-address

last_status_code

Description

Type: number

probe_interval

Description

Type: number

probe_template_name

Description

Type: string

probes_per_test

Description

Type: number

ref_count

Description

Type: number

rserver_name

Description

Type: string

rtt_avg

Description

Type: number

rtt_method

Description

Type: number

rtt_samples1

Description

Type: number

rtt_samples10

Description

Type: number

rtt_samples2

Description

Type: number

rtt_samples3

Description

Type: number

rtt_samples4

Description

Type: number

rtt_samples5

Description

Type: number

rtt_samples6

Description

Type: number

rtt_samples7

Description

Type: number

rtt_samples8

Description

Type: number

rtt_samples9

Description

Type: number

sg_name

Description

Type: string

target_type

Description

Type: number

test_interval

Description

Type: number

url

Description

Type: string

2.120.112 slb link-probe entry stats

Statistics for the object entry

entry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	entry
Element URI	/axapi/v3/slb/link-probe/entry/stats
Element Attributes	entry_attributes
Partition Visibility	None
Schema	`entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/link-probe/entry/stats

entry attributes

Get Object

GET

/axapi/v3/slb/link-probe/entry/stats

entry attributes

Modify Object

POST

/axapi/v3/slb/link-probe/entry/stats

entry attributes

Replace Object

PUT

/axapi/v3/slb/link-probe/entry/stats

entry attributes

Delete Object

DELETE

/axapi/v3/slb/link-probe/entry/stats

entry attributes

entry attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_entries

Description Current Entry Count

Type: number

Format: counter

err_entry_create_failed

Description Entry Creation Failure

Type: number

Format: counter

err_entry_create_oom

Description Entry Creation Out of Memory

Type: number

Format: counter

err_entry_insert_failed

Description Entry Insert Failed

Type: number

Format: counter

err_l4_sess_alloc

Description Error allocating L4 session for probe

Type: number

Format: counter

err_probe_tcp_conn_send

Description Error in initiating TCP connection for probe

Type: number

Format: counter

err_smart_nat_alloc

Description Error creating Smart NAT Instance

Type: number

Format: counter

err_smart_nat_port_alloc

Description Error obtaining Smart NAT source port

Type: number

Format: counter

err_tmpl_probe_create_failed

Description Probe Template Creation Failure

Type: number

Format: counter

err_tmpl_probe_create_oom

Description Probe Template Creation Out of Memory

Type: number

Format: counter

probe_tcp_conn_sent

Description TCP connection sent for probe

Type: number

Format: counter

total_created

Description Total Entry Created

Type: number

Format: counter

total_freed

Description Total Entry Freed

Type: number

Format: counter

total_http_probes_sent

Description Total HTTP Probes Sent out

Type: number

Format: counter

total_http_response_bad

Description Total HTTP responses not matching probe template config

Type: number

Format: counter

total_http_response_good

Description Total HTTP responses matching probe template config

Type: number

Format: counter

total_http_response_received

Description Total HTTP responses received

Type: number

Format: counter

total_inserted

Description Total Entry Inserted

Type: number

Format: counter

total_ready_to_free

Description Total Entry Ready To Free

Type: number

Format: counter

total_tcp_err

Description Total TCP errors in probes sent out

Type: number

Format: counter

2.120.113 slb mlb

Configure mlb

mlb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mlb
Element URI	/axapi/v3/slb/mlb
Element Attributes	mlb_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/mlb/stats
Operational Data URI	/axapi/v3/slb/mlb/oper
Schema	`mlb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mlb

mlb attributes

```
POST /axapi/v3/slb/mlb
Payload:
{
    "mlb": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/mlb

mlb attributes

```
GET /axapi/v3/slb/mlb
Reponse:
{
    "mlb": {
        "uuid": "5172f104-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/mlb"
    }
}
```

Modify Object

POST

/axapi/v3/slb/mlb

mlb attributes

Replace Object

PUT

/axapi/v3/slb/mlb

mlb attributes

```
PUT /axapi/v3/slb/mlb
Payload:
{
    "mlb": {
        "sampling-enable": [
            {
                "counters1": "client_msg_sent"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/mlb

mlb attributes

```
DELETE /axapi/v3/slb/mlb
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mlb attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client_msg_sent': Client message sent; 'server_msg_received': Server message received; 'server_conn_created': Server connection created; 'server_conn_rst': Server connection reset; 'server_conn_failed': Server connection failed; 'server_conn_closed': Server connection closed; 'client_conn_created': Client connection created; 'client_conn_closed': Client connection closed; 'client_conn_not_found': Client connection not found; 'msg_dropped': Message dropped; 'msg_rerouted': Message rerouted; 'mlb_dcmsg_sent': Dcmsg sent; 'mlb_dcmsg_received': Dcmsg received; 'mlb_dcmsg_error': Dcmsg error; 'mlb_dcmsg_alloc': Dcmsg alloc; 'mlb_dcmsg_free': Dcmsg free; 'mlb_server_probe': Server probe; 'mlb_server_down': Server down;

Type: string

Supported Values: all, client_msg_sent, server_msg_received, server_conn_created, server_conn_rst, server_conn_failed, server_conn_closed, client_conn_created, client_conn_closed, client_conn_not_found, msg_dropped, msg_rerouted, mlb_dcmsg_sent, mlb_dcmsg_received, mlb_dcmsg_error, mlb_dcmsg_alloc, mlb_dcmsg_free, mlb_server_probe, mlb_server_down

2.120.114 slb mlb oper

Operational Status for the object mlb

mlb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mlb
Element URI	/axapi/v3/slb/mlb/oper
Element Attributes	mlb_attributes
Partition Visibility	None
Schema	`mlb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mlb/oper

mlb attributes

Get Object

GET

/axapi/v3/slb/mlb/oper

mlb attributes

Modify Object

POST

/axapi/v3/slb/mlb/oper

mlb attributes

Replace Object

PUT

/axapi/v3/slb/mlb/oper

mlb attributes

Delete Object

DELETE

/axapi/v3/slb/mlb/oper

mlb attributes

mlb attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

l4-cpu-list

Type: List

oper_l4-cpu-list

Specification	Value
Type	*list*
Block object keys	

client_conn_closed

Description

Type: number

client_conn_created

Description

Type: number

client_conn_not_found

Description

Type: number

client_msg_sent

Description

Type: number

mlb_dcmsg_alloc

Description

Type: number

mlb_dcmsg_error

Description

Type: number

mlb_dcmsg_free

Description

Type: number

mlb_dcmsg_received

Description

Type: number

mlb_dcmsg_sent

Description

Type: number

mlb_server_down

Description

Type: number

mlb_server_probe

Description

Type: number

msg_dropped

Description

Type: number

msg_rerouted

Description

Type: number

server_conn_closed

Description

Type: number

server_conn_created

Description

Type: number

server_conn_failed

Description

Type: number

server_conn_rst

Description

Type: number

server_msg_received

Description

Type: number

2.120.115 slb mlb stats

Statistics for the object mlb

mlb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mlb
Element URI	/axapi/v3/slb/mlb/stats
Element Attributes	mlb_attributes
Partition Visibility	None
Schema	`mlb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mlb/stats

mlb attributes

Get Object

GET

/axapi/v3/slb/mlb/stats

mlb attributes

Modify Object

POST

/axapi/v3/slb/mlb/stats

mlb attributes

Replace Object

PUT

/axapi/v3/slb/mlb/stats

mlb attributes

Delete Object

DELETE

/axapi/v3/slb/mlb/stats

mlb attributes

mlb attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_conn_closed

Description Client connection closed

Type: number

Format: counter

client_conn_created

Description Client connection created

Type: number

Format: counter

client_conn_not_found

Description Client connection not found

Type: number

Format: counter

client_msg_sent

Description Client message sent

Type: number

Format: counter

mlb_dcmsg_alloc

Description Dcmsg alloc

Type: number

Format: counter

mlb_dcmsg_error

Description Dcmsg error

Type: number

Format: counter

mlb_dcmsg_free

Description Dcmsg free

Type: number

Format: counter

mlb_dcmsg_received

Description Dcmsg received

Type: number

Format: counter

mlb_dcmsg_sent

Description Dcmsg sent

Type: number

Format: counter

mlb_server_down

Description Server down

Type: number

Format: counter

mlb_server_probe

Description Server probe

Type: number

Format: counter

msg_dropped

Description Message dropped

Type: number

Format: counter

msg_rerouted

Description Message rerouted

Type: number

Format: counter

server_conn_closed

Description Server connection closed

Type: number

Format: counter

server_conn_created

Description Server connection created

Type: number

Format: counter

server_conn_failed

Description Server connection failed

Type: number

Format: counter

server_conn_rst

Description Server connection reset

Type: number

Format: counter

server_msg_received

Description Server message received

Type: number

Format: counter

2.120.116 slb mqtt

Show MQTT Statistics

mqtt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mqtt
Element URI	/axapi/v3/slb/mqtt
Element Attributes	mqtt_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/mqtt/stats
Operational Data URI	/axapi/v3/slb/mqtt/oper
Schema	`mqtt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mqtt

mqtt attributes

```
POST /axapi/v3/slb/mqtt
Payload:
{
    "mqtt": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/mqtt

mqtt attributes

```
GET /axapi/v3/slb/mqtt
Reponse:
{
    "mqtt": {
        "uuid": "5172af32-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/mqtt"
    }
}
```

Modify Object

POST

/axapi/v3/slb/mqtt

mqtt attributes

Replace Object

PUT

/axapi/v3/slb/mqtt

mqtt attributes

```
PUT /axapi/v3/slb/mqtt
Payload:
{
    "mqtt": {
        "sampling-enable": [
            {
                "counters1": "recv_mqtt_connect"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/mqtt

mqtt attributes

```
DELETE /axapi/v3/slb/mqtt
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mqtt attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'recv_mqtt_connect': MQTT Connect; 'recv_mqtt_connack': MQTT Connack; 'recv_mqtt_publish': MQTT Publish; 'recv_mqtt_puback': MQTT Puback; 'recv_mqtt_pubrec': MQTT Pubrec; 'recv_mqtt_pubrel': MQTT Pubrel; 'recv_mqtt_pubcomp': MQTT Pubcomp; 'recv_mqtt_subscribe': MQTT Subscribe; 'recv_mqtt_suback': MQTT Suback; 'recv_mqtt_unsubscribe': MQTT Unsubscribe; 'recv_mqtt_unsuback': MQTT Unsuback; 'recv_mqtt_pingreq': MQTT Pingreq; 'recv_mqtt_pingresp': MQTT Pingresp; 'recv_mqtt_disconnect': MQTT Disconnect; 'recv_mqtt_auth': MQTT Auth; 'recv_mqtt_other': MQTT Unknown; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'request': Total MQTT Commands; 'parse_connect_fail': Parse connect failure; 'parse_publish_fail': Parse publish failure; 'parse_subscribe_fail': Parse subscribe failure; 'parse_unsubscribe_fail': Parse unsubscribe failure; 'tuple_not_linked': tuple-not-linked failure; 'tuple_already_linked': tuple-already-linked failure; 'conn_null': Null conn; 'client_id_null': Null client id; 'session_exist': Session already exist; 'insertion_failed': Insertion failure; 'insertion_successful': Insertion successful;

Type: string

Supported Values: all, recv_mqtt_connect, recv_mqtt_connack, recv_mqtt_publish, recv_mqtt_puback, recv_mqtt_pubrec, recv_mqtt_pubrel, recv_mqtt_pubcomp, recv_mqtt_subscribe, recv_mqtt_suback, recv_mqtt_unsubscribe, recv_mqtt_unsuback, recv_mqtt_pingreq, recv_mqtt_pingresp, recv_mqtt_disconnect, recv_mqtt_auth, recv_mqtt_other, curr_proxy, total_proxy, request, parse_connect_fail, parse_publish_fail, parse_subscribe_fail, parse_unsubscribe_fail, tuple_not_linked, tuple_already_linked, conn_null, client_id_null, session_exist, insertion_failed, insertion_successful

2.120.117 slb mqtt oper

Operational Status for the object mqtt

mqtt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mqtt
Element URI	/axapi/v3/slb/mqtt/oper
Element Attributes	mqtt_attributes
Partition Visibility	None
Schema	`mqtt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mqtt/oper

mqtt attributes

Get Object

GET

/axapi/v3/slb/mqtt/oper

mqtt attributes

Modify Object

POST

/axapi/v3/slb/mqtt/oper

mqtt attributes

Replace Object

PUT

/axapi/v3/slb/mqtt/oper

mqtt attributes

Delete Object

DELETE

/axapi/v3/slb/mqtt/oper

mqtt attributes

mqtt attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

mqtt-cpu-list

Type: List

oper_mqtt-cpu-list

Specification	Value
Type	*list*
Block object keys	

client_id_null

Description

Type: number

conn_null

Description

Type: number

curr_proxy

Description

Type: number

insertion_failed

Description

Type: number

insertion_successful

Description

Type: number

parse_connect_fail

Description

Type: number

parse_publish_fail

Description

Type: number

parse_subscribe_fail

Description

Type: number

parse_unsubscribe_fail

Description

Type: number

recv_mqtt_auth

Description

Type: number

recv_mqtt_connack

Description

Type: number

recv_mqtt_connect

Description

Type: number

recv_mqtt_disconnect

Description

Type: number

recv_mqtt_other

Description

Type: number

recv_mqtt_pingreq

Description

Type: number

recv_mqtt_pingresp

Description

Type: number

recv_mqtt_puback

Description

Type: number

recv_mqtt_pubcomp

Description

Type: number

recv_mqtt_publish

Description

Type: number

recv_mqtt_pubrec

Description

Type: number

recv_mqtt_pubrel

Description

Type: number

recv_mqtt_suback

Description

Type: number

recv_mqtt_subscribe

Description

Type: number

recv_mqtt_unsuback

Description

Type: number

recv_mqtt_unsubscribe

Description

Type: number

request

Description

Type: number

session_exist

Description

Type: number

total_proxy

Description

Type: number

tuple_already_linked

Description

Type: number

tuple_not_linked

Description

Type: number

2.120.118 slb mqtt stats

Statistics for the object mqtt

mqtt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mqtt
Element URI	/axapi/v3/slb/mqtt/stats
Element Attributes	mqtt_attributes
Partition Visibility	None
Schema	`mqtt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mqtt/stats

mqtt attributes

Get Object

GET

/axapi/v3/slb/mqtt/stats

mqtt attributes

Modify Object

POST

/axapi/v3/slb/mqtt/stats

mqtt attributes

Replace Object

PUT

/axapi/v3/slb/mqtt/stats

mqtt attributes

Delete Object

DELETE

/axapi/v3/slb/mqtt/stats

mqtt attributes

mqtt attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_id_null

Description Null client id

Type: number

Format: counter

conn_null

Description Null conn

Type: number

Format: counter

curr_proxy

Description Current proxy conns

Type: number

Format: counter

insertion_failed

Description Insertion failure

Type: number

Format: counter

insertion_successful

Description Insertion successful

Type: number

Format: counter

parse_connect_fail

Description Parse connect failure

Type: number

Format: counter

parse_publish_fail

Description Parse publish failure

Type: number

Format: counter

parse_subscribe_fail

Description Parse subscribe failure

Type: number

Format: counter

parse_unsubscribe_fail

Description Parse unsubscribe failure

Type: number

Format: counter

recv_mqtt_auth

Description MQTT Auth

Type: number

Format: counter

recv_mqtt_connack

Description MQTT Connack

Type: number

Format: counter

recv_mqtt_connect

Description MQTT Connect

Type: number

Format: counter

recv_mqtt_disconnect

Description MQTT Disconnect

Type: number

Format: counter

recv_mqtt_other

Description MQTT Unknown

Type: number

Format: counter

recv_mqtt_pingreq

Description MQTT Pingreq

Type: number

Format: counter

recv_mqtt_pingresp

Description MQTT Pingresp

Type: number

Format: counter

recv_mqtt_puback

Description MQTT Puback

Type: number

Format: counter

recv_mqtt_pubcomp

Description MQTT Pubcomp

Type: number

Format: counter

recv_mqtt_publish

Description MQTT Publish

Type: number

Format: counter

recv_mqtt_pubrec

Description MQTT Pubrec

Type: number

Format: counter

recv_mqtt_pubrel

Description MQTT Pubrel

Type: number

Format: counter

recv_mqtt_suback

Description MQTT Suback

Type: number

Format: counter

recv_mqtt_subscribe

Description MQTT Subscribe

Type: number

Format: counter

recv_mqtt_unsuback

Description MQTT Unsuback

Type: number

Format: counter

recv_mqtt_unsubscribe

Description MQTT Unsubscribe

Type: number

Format: counter

request

Description Total MQTT Commands

Type: number

Format: counter

session_exist

Description Session already exist

Type: number

Format: counter

total_proxy

Description Total proxy conns

Type: number

Format: counter

tuple_already_linked

Description tuple-already-linked failure

Type: number

Format: counter

tuple_not_linked

Description tuple-not-linked failure

Type: number

Format: counter

2.120.119 slb mssql

Configure mssql

mssql Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mssql
Element URI	/axapi/v3/slb/mssql
Element Attributes	mssql_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/mssql/stats
Schema	`mssql schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mssql

mssql attributes

```
POST /axapi/v3/slb/mssql
Payload:
{
    "mssql": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/mssql

mssql attributes

```
GET /axapi/v3/slb/mssql
Reponse:
{
    "mssql": {
        "uuid": "5172cc60-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/mssql"
    }
}
```

Modify Object

POST

/axapi/v3/slb/mssql

mssql attributes

Replace Object

PUT

/axapi/v3/slb/mssql

mssql attributes

```
PUT /axapi/v3/slb/mssql
Payload:
{
    "mssql": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/mssql

mssql attributes

```
DELETE /axapi/v3/slb/mssql
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mssql attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_be_enc': Curr BE Encryption Conns; 'total_be_enc': Total BE Encryption Conns; 'curr_fe_enc': Curr FE Encryption Conns; 'total_fe_enc': Total FE Encryption Conns; 'client_fin': Client FIN; 'server_fin': Server FIN; 'session_err': Session err; 'queries': DB Queries; 'commands': DB commands reply; 'auth_success': Authentication Success; 'auth_failure': Authentication Failure;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_be_enc, total_be_enc, curr_fe_enc, total_fe_enc, client_fin, server_fin, session_err, queries, commands, auth_success, auth_failure

2.120.120 slb mssql stats

Statistics for the object mssql

mssql Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mssql
Element URI	/axapi/v3/slb/mssql/stats
Element Attributes	mssql_attributes
Partition Visibility	None
Schema	`mssql schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mssql/stats

mssql attributes

Get Object

GET

/axapi/v3/slb/mssql/stats

mssql attributes

Modify Object

POST

/axapi/v3/slb/mssql/stats

mssql attributes

Replace Object

PUT

/axapi/v3/slb/mssql/stats

mssql attributes

Delete Object

DELETE

/axapi/v3/slb/mssql/stats

mssql attributes

mssql attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

auth_failure

Description Authentication Failure

Type: number

Format: counter

auth_success

Description Authentication Success

Type: number

Format: counter

client_fin

Description Client FIN

Type: number

Format: counter

commands

Description DB commands reply

Type: number

Format: counter

curr_be_enc

Description Curr BE Encryption Conns

Type: number

Format: counter

curr_fe_enc

Description Curr FE Encryption Conns

Type: number

Format: counter

curr_proxy

Description Curr Proxy Conns

Type: number

Format: counter

queries

Description DB Queries

Type: number

Format: counter

server_fin

Description Server FIN

Type: number

Format: counter

session_err

Description Session err

Type: number

Format: counter

total_be_enc

Description Total BE Encryption Conns

Type: number

Format: counter

total_fe_enc

Description Total FE Encryption Conns

Type: number

Format: counter

total_proxy

Description Total Proxy Conns

Type: number

Format: counter

2.120.121 slb mysql

Configure mysql

mysql Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mysql
Element URI	/axapi/v3/slb/mysql
Element Attributes	mysql_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/mysql/stats
Schema	`mysql schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mysql

mysql attributes

```
POST /axapi/v3/slb/mysql
Payload:
{
    "mysql": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/mysql

mysql attributes

```
GET /axapi/v3/slb/mysql
Reponse:
{
    "mysql": {
        "uuid": "5172c9f4-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "a10-url": "/axapi/v3/slb/mysql"
    }
}
```

Modify Object

POST

/axapi/v3/slb/mysql

mysql attributes

Replace Object

PUT

/axapi/v3/slb/mysql

mysql attributes

```
PUT /axapi/v3/slb/mysql
Payload:
{
    "mysql": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/mysql

mysql attributes

```
DELETE /axapi/v3/slb/mysql
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mysql attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_be_enc': Curr BE Encryption Conns; 'total_be_enc': Total BE Encryption Conns; 'curr_fe_enc': Curr FE Encryption Conns; 'total_fe_enc': Total FE Encryption Conns; 'client_fin': Client FIN; 'server_fin': Server FIN; 'session_err': Session err; 'queries': DB Queries; 'commands': DB commands reply;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_be_enc, total_be_enc, curr_fe_enc, total_fe_enc, client_fin, server_fin, session_err, queries, commands

2.120.122 slb mysql stats

Statistics for the object mysql

mysql Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mysql
Element URI	/axapi/v3/slb/mysql/stats
Element Attributes	mysql_attributes
Partition Visibility	None
Schema	`mysql schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/mysql/stats

mysql attributes

Get Object

GET

/axapi/v3/slb/mysql/stats

mysql attributes

Modify Object

POST

/axapi/v3/slb/mysql/stats

mysql attributes

Replace Object

PUT

/axapi/v3/slb/mysql/stats

mysql attributes

Delete Object

DELETE

/axapi/v3/slb/mysql/stats

mysql attributes

mysql attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_fin

Description Client FIN

Type: number

Format: counter

commands

Description DB commands reply

Type: number

Format: counter

curr_be_enc

Description Curr BE Encryption Conns

Type: number

Format: counter

curr_fe_enc

Description Curr FE Encryption Conns

Type: number

Format: counter

curr_proxy

Description Curr Proxy Conns

Type: number

Format: counter

queries

Description DB Queries

Type: number

Format: counter

server_fin

Description Server FIN

Type: number

Format: counter

session_err

Description Session err

Type: number

Format: counter

total_be_enc

Description Total BE Encryption Conns

Type: number

Format: counter

total_fe_enc

Description Total FE Encryption Conns

Type: number

Format: counter

total_proxy

Description Total Proxy Conns

Type: number

Format: counter

2.120.123 slb passthrough

passthrough session stats

passthrough Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	passthrough
Element URI	/axapi/v3/slb/passthrough
Element Attributes	passthrough_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/passthrough/stats
Schema	`passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/passthrough

passthrough attributes

```
POST /axapi/v3/slb/passthrough
Payload:
{
    "passthrough": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/passthrough

passthrough attributes

```
GET /axapi/v3/slb/passthrough
Reponse:
{
    "passthrough": {
        "uuid": "5172c864-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "a10-url": "/axapi/v3/slb/passthrough"
    }
}
```

Modify Object

POST

/axapi/v3/slb/passthrough

passthrough attributes

Replace Object

PUT

/axapi/v3/slb/passthrough

passthrough attributes

```
PUT /axapi/v3/slb/passthrough
Payload:
{
    "passthrough": {
        "sampling-enable": [
            {
                "counters1": "curr_conn"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/passthrough

passthrough attributes

```
DELETE /axapi/v3/slb/passthrough
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

passthrough attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current connections; 'total_conn': Total connections; 'total_fwd_bytes': Forward bytes; 'total_fwd_packets': Forward packets; 'total_rev_bytes': Reverse bytes; 'total_rev_packets': Reverse packets; 'curr_pconn': Persistent connections;

Type: string

Supported Values: all, curr_conn, total_conn, total_fwd_bytes, total_fwd_packets, total_rev_bytes, total_rev_packets, curr_pconn

2.120.124 slb passthrough stats

Statistics for the object passthrough

passthrough Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	passthrough
Element URI	/axapi/v3/slb/passthrough/stats
Element Attributes	passthrough_attributes
Partition Visibility	None
Schema	`passthrough schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/passthrough/stats

passthrough attributes

Get Object

GET

/axapi/v3/slb/passthrough/stats

passthrough attributes

Modify Object

POST

/axapi/v3/slb/passthrough/stats

passthrough attributes

Replace Object

PUT

/axapi/v3/slb/passthrough/stats

passthrough attributes

Delete Object

DELETE

/axapi/v3/slb/passthrough/stats

passthrough attributes

passthrough attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_pconn

Description Persistent connections

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Forward bytes

Type: number

Format: counter

total_fwd_packets

Description Forward packets

Type: number

Format: counter

total_rev_bytes

Description Reverse bytes

Type: number

Format: counter

total_rev_packets

Description Reverse packets

Type: number

Format: counter

2.120.125 slb perf

SLB performance stats

perf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	perf
Element URI	/axapi/v3/slb/perf
Element Attributes	perf_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/perf/stats
Schema	`perf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/perf

perf attributes

```
POST /axapi/v3/slb/perf
Payload:
{
    "perf": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/perf

perf attributes

```
GET /axapi/v3/slb/perf
Reponse:
{
    "perf": {
        "uuid": "51723f5c-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/perf"
    }
}
```

Modify Object

POST

/axapi/v3/slb/perf

perf attributes

Replace Object

PUT

/axapi/v3/slb/perf

perf attributes

```
PUT /axapi/v3/slb/perf
Payload:
{
    "perf": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "total-throughput-bits-per-sec"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/perf

perf attributes

```
DELETE /axapi/v3/slb/perf
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

perf attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-throughput-bits-per-sec': Total Throughput in bits/sec; 'l4-conns-per-sec': L4 Connections/sec; 'l7-conns-per-sec': L7 Connections/sec; 'l7-trans-per-sec': L7 Transactions/sec; 'ssl-conns-per-sec': SSL Connections/sec; 'ip-nat-conns-per-sec': IP NAT Connections/sec; 'total-new-conns-per-sec': Total New Connections Established/sec; 'total-curr-conns': Total Current Established Connections; 'l4-bandwidth': L4 Bandwidth in bits/sec;

'l7-bandwidth': L7 Bandwidth in bits/sec; 'serv-ssl-conns-per-sec': Server SSL Connections/sec; 'fw-conns-per-sec': FW Connections/sec; 'gifw-conns-per-sec': GiFW Connections/sec; 'l7-proxy-conns-per-sec': L7 Proxy Connections/sec; 'l7-proxy-trans-per-sec': L7 Proxy Transactions/sec;

Type: string

Supported Values: all, total-throughput-bits-per-sec, l4-conns-per-sec, l7-conns-per-sec, l7-trans-per-sec, ssl-conns-per-sec, ip-nat-conns-per-sec, total-new-conns-per-sec, total-curr-conns, l4-bandwidth, l7-bandwidth, serv-ssl-conns-per-sec, fw-conns-per-sec, gifw-conns-per-sec, l7-proxy-conns-per-sec, l7-proxy-trans-per-sec

2.120.126 slb perf stats

Statistics for the object perf

perf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	perf
Element URI	/axapi/v3/slb/perf/stats
Element Attributes	perf_attributes
Partition Visibility	None
Schema	`perf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/perf/stats

perf attributes

Get Object

GET

/axapi/v3/slb/perf/stats

perf attributes

Modify Object

POST

/axapi/v3/slb/perf/stats

perf attributes

Replace Object

PUT

/axapi/v3/slb/perf/stats

perf attributes

Delete Object

DELETE

/axapi/v3/slb/perf/stats

perf attributes

perf attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

fw-conns-per-sec

Description FW Connections/sec

Type: number

Format: counter

gifw-conns-per-sec

Description GiFW Connections/sec

Type: number

Format: counter

ip-nat-conns-per-sec

Description IP NAT Connections/sec

Type: number

Format: counter

l4-bandwidth

Description L4 Bandwidth in bits/sec

Type: number

Format: counter

l4-conns-per-sec

Description L4 Connections/sec

Type: number

Format: counter

l7-bandwidth

Description L7 Bandwidth in bits/sec

Type: number

Format: counter

l7-conns-per-sec

Description L7 Connections/sec

Type: number

Format: counter

l7-proxy-conns-per-sec

Description L7 Proxy Connections/sec

Type: number

Format: counter

l7-proxy-trans-per-sec

Description L7 Proxy Transactions/sec

Type: number

Format: counter

l7-trans-per-sec

Description L7 Transactions/sec

Type: number

Format: counter

serv-ssl-conns-per-sec

Description Server SSL Connections/sec

Type: number

Format: counter

ssl-conns-per-sec

Description SSL Connections/sec

Type: number

Format: counter

total-curr-conns

Description Total Current Established Connections

Type: number

Format: counter

total-new-conns-per-sec

Description Total New Connections Established/sec

Type: number

Format: counter

total-throughput-bits-per-sec

Description Total Throughput in bits/sec

Type: number

Format: counter

2.120.127 slb persist

Configure persist

persist Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	persist
Element URI	/axapi/v3/slb/persist
Element Attributes	persist_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/persist/stats
Operational Data URI	/axapi/v3/slb/persist/oper
Schema	`persist schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/persist

persist attributes

```
POST /axapi/v3/slb/persist
Payload:
{
    "persist": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/persist

persist attributes

```
GET /axapi/v3/slb/persist
Reponse:
{
    "persist": {
        "uuid": "5172d782-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/persist"
    }
}
```

Modify Object

POST

/axapi/v3/slb/persist

persist attributes

Replace Object

PUT

/axapi/v3/slb/persist

persist attributes

```
PUT /axapi/v3/slb/persist
Payload:
{
    "persist": {
        "sampling-enable": [
            {
                "counters1": "hash_tbl_trylock_fail"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/persist

persist attributes

```
DELETE /axapi/v3/slb/persist
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

persist attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hash_tbl_trylock_fail': Hash tbl lock fail; 'hash_tbl_create_ok': Hash tbl create ok; 'hash_tbl_create_fail': Hash tbl create fail; 'hash_tbl_free': Hash tbl free; 'hash_tbl_rst_updown': Hash tbl reset (up/down); 'hash_tbl_rst_adddel': Hash tbl reset (add/del); 'url_hash_pri': URL hash persist (pri); 'url_hash_enqueue': URL hash persist (enQ); 'url_hash_sec': URL hash persist (sec); 'url_hash_fail': URL hash persist fail; 'header_hash_pri': Header hash persist(pri); 'header_hash_enqueue': Header hash persist(enQ); 'header_hash_sec': Header hash persist(sec); 'header_hash_fail': Header hash persist fail; 'src_ip': SRC IP persist ok; 'src_ip_enqueue': SRC IP persist enqueue; 'src_ip_fail': SRC IP persist fail; 'src_ip_new_sess_cache': SRC IP new sess (cache); 'src_ip_new_sess_cache_fail': SRC IP new sess fail (c); 'src_ip_new_sess_sel': SRC IP new sess (select); 'src_ip_new_sess_sel_fail': SRC IP new sess fail (s); 'src_ip_hash_pri': SRC IP hash persist(pri); 'src_ip_hash_enqueue': SRC IP hash persist(enQ); 'src_ip_hash_sec': SRC IP hash persist(sec); 'src_ip_hash_fail': SRC IP hash persist fail; 'src_ip_enforce': Enforce higher priority; 'dst_ip': DST IP persist ok; 'dst_ip_enqueue': DST IP persist enqueue; 'dst_ip_fail': DST IP persist fail; 'dst_ip_new_sess_cache': DST IP new sess (cache); 'dst_ip_new_sess_cache_fail': DST IP new sess fail (c); 'dst_ip_new_sess_sel': DST IP new sess (select); 'dst_ip_new_sess_sel_fail': DST IP new sess fail (s); 'dst_ip_hash_pri': DST IP hash persist(pri); 'dst_ip_hash_enqueue': DST IP hash persist(enQ); 'dst_ip_hash_sec': DST IP hash persist(sec); 'dst_ip_hash_fail': DST IP hash persist fail; 'cssl_sid_not_found': Client SSL SID not found; 'cssl_sid_match': Client SSL SID match; 'cssl_sid_not_match': Client SSL SID not match; 'sssl_sid_not_found': Server SSL SID not found; 'sssl_sid_reset': Server SSL SID reset; 'sssl_sid_match': Server SSL SID match; 'sssl_sid_not_match': Server SSL SID not match; 'ssl_sid_persist_ok': SSL SID persist ok; 'ssl_sid_persist_fail': SSL SID persist fail; 'ssl_sid_session_ok': Create SSL SID ok; 'ssl_sid_session_fail': Create SSL

SID fail; 'cookie_persist_ok': Cookie persist ok; 'cookie_persist_fail': Cookie persist fail; 'cookie_not_found': Persist cookie not found; 'cookie_pass_thru': Persist cookie Pass-thru; 'cookie_invalid': Invalid persist cookie;

Type: string

Supported Values: all, hash_tbl_trylock_fail, hash_tbl_create_ok, hash_tbl_create_fail, hash_tbl_free, hash_tbl_rst_updown, hash_tbl_rst_adddel, url_hash_pri, url_hash_enqueue, url_hash_sec, url_hash_fail, header_hash_pri, header_hash_enqueue, header_hash_sec, header_hash_fail, src_ip, src_ip_enqueue, src_ip_fail, src_ip_new_sess_cache, src_ip_new_sess_cache_fail, src_ip_new_sess_sel, src_ip_new_sess_sel_fail, src_ip_hash_pri, src_ip_hash_enqueue, src_ip_hash_sec, src_ip_hash_fail, src_ip_enforce, dst_ip, dst_ip_enqueue, dst_ip_fail, dst_ip_new_sess_cache, dst_ip_new_sess_cache_fail, dst_ip_new_sess_sel, dst_ip_new_sess_sel_fail, dst_ip_hash_pri, dst_ip_hash_enqueue, dst_ip_hash_sec, dst_ip_hash_fail, cssl_sid_not_found, cssl_sid_match, cssl_sid_not_match, sssl_sid_not_found, sssl_sid_reset, sssl_sid_match, sssl_sid_not_match, ssl_sid_persist_ok, ssl_sid_persist_fail, ssl_sid_session_ok, ssl_sid_session_fail, cookie_persist_ok, cookie_persist_fail, cookie_not_found, cookie_pass_thru, cookie_invalid

2.120.128 slb persist oper

Operational Status for the object persist

persist Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	persist
Element URI	/axapi/v3/slb/persist/oper
Element Attributes	persist_attributes
Partition Visibility	None
Schema	`persist schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/persist/oper

persist attributes

Get Object

GET

/axapi/v3/slb/persist/oper

persist attributes

Modify Object

POST

/axapi/v3/slb/persist/oper

persist attributes

Replace Object

PUT

/axapi/v3/slb/persist/oper

persist attributes

Delete Object

DELETE

/axapi/v3/slb/persist/oper

persist attributes

persist attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

persist-cpu-list

Type: List

oper_persist-cpu-list

Specification	Value
Type	*list*
Block object keys	

cookie_invalid

Description

Type: number

cookie_not_found

Description

Type: number

cookie_pass_thru

Description

Type: number

cookie_persist_fail

Description

Type: number

cookie_persist_ok

Description

Type: number

cssl_sid_match

Description

Type: number

cssl_sid_not_found

Description

Type: number

cssl_sid_not_match

Description

Type: number

dst_ip

Description

Type: number

dst_ip_enqueue

Description

Type: number

dst_ip_fail

Description

Type: number

dst_ip_hash_enqueue

Description

Type: number

dst_ip_hash_fail

Description

Type: number

dst_ip_hash_pri

Description

Type: number

dst_ip_hash_sec

Description

Type: number

dst_ip_new_sess_cache

Description

Type: number

dst_ip_new_sess_cache_fail

Description

Type: number

dst_ip_new_sess_sel

Description

Type: number

dst_ip_new_sess_sel_fail

Description

Type: number

hash_tbl_create_fail

Description

Type: number

hash_tbl_create_ok

Description

Type: number

hash_tbl_free

Description

Type: number

hash_tbl_rst_adddel

Description

Type: number

hash_tbl_rst_updown

Description

Type: number

hash_tbl_trylock_fail

Description

Type: number

header_hash_enqueue

Description

Type: number

header_hash_fail

Description

Type: number

header_hash_pri

Description

Type: number

header_hash_sec

Description

Type: number

src_ip

Description

Type: number

src_ip_enforce

Description

Type: number

src_ip_enqueue

Description

Type: number

src_ip_fail

Description

Type: number

src_ip_hash_enqueue

Description

Type: number

src_ip_hash_fail

Description

Type: number

src_ip_hash_pri

Description

Type: number

src_ip_hash_sec

Description

Type: number

src_ip_new_sess_cache

Description

Type: number

src_ip_new_sess_cache_fail

Description

Type: number

src_ip_new_sess_sel

Description

Type: number

src_ip_new_sess_sel_fail

Description

Type: number

ssl_sid_persist_fail

Description

Type: number

ssl_sid_persist_ok

Description

Type: number

ssl_sid_session_fail

Description

Type: number

ssl_sid_session_ok

Description

Type: number

sssl_sid_match

Description

Type: number

sssl_sid_not_found

Description

Type: number

sssl_sid_not_match

Description

Type: number

sssl_sid_reset

Description

Type: number

url_hash_enqueue

Description

Type: number

url_hash_fail

Description

Type: number

url_hash_pri

Description

Type: number

url_hash_sec

Description

Type: number

2.120.129 slb persist stats

Statistics for the object persist

persist Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	persist
Element URI	/axapi/v3/slb/persist/stats
Element Attributes	persist_attributes
Partition Visibility	None
Schema	`persist schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/persist/stats

persist attributes

Get Object

GET

/axapi/v3/slb/persist/stats

persist attributes

Modify Object

POST

/axapi/v3/slb/persist/stats

persist attributes

Replace Object

PUT

/axapi/v3/slb/persist/stats

persist attributes

Delete Object

DELETE

/axapi/v3/slb/persist/stats

persist attributes

persist attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

cookie_invalid

Description Invalid persist cookie

Type: number

Format: counter

cookie_not_found

Description Persist cookie not found

Type: number

Format: counter

cookie_pass_thru

Description Persist cookie Pass-thru

Type: number

Format: counter

cookie_persist_fail

Description Cookie persist fail

Type: number

Format: counter

cookie_persist_ok

Description Cookie persist ok

Type: number

Format: counter

cssl_sid_match

Description Client SSL SID match

Type: number

Format: counter

cssl_sid_not_found

Description Client SSL SID not found

Type: number

Format: counter

cssl_sid_not_match

Description Client SSL SID not match

Type: number

Format: counter

dst_ip

Description DST IP persist ok

Type: number

Format: counter

dst_ip_enqueue

Description DST IP persist enqueue

Type: number

Format: counter

dst_ip_fail

Description DST IP persist fail

Type: number

Format: counter

dst_ip_hash_enqueue

Description DST IP hash persist(enQ)

Type: number

Format: counter

dst_ip_hash_fail

Description DST IP hash persist fail

Type: number

Format: counter

dst_ip_hash_pri

Description DST IP hash persist(pri)

Type: number

Format: counter

dst_ip_hash_sec

Description DST IP hash persist(sec)

Type: number

Format: counter

dst_ip_new_sess_cache

Description DST IP new sess (cache)

Type: number

Format: counter

dst_ip_new_sess_cache_fail

Description DST IP new sess fail (c)

Type: number

Format: counter

dst_ip_new_sess_sel

Description DST IP new sess (select)

Type: number

Format: counter

dst_ip_new_sess_sel_fail

Description DST IP new sess fail (s)

Type: number

Format: counter

hash_tbl_create_fail

Description Hash tbl create fail

Type: number

Format: counter

hash_tbl_create_ok

Description Hash tbl create ok

Type: number

Format: counter

hash_tbl_free

Description Hash tbl free

Type: number

Format: counter

hash_tbl_rst_adddel

Description Hash tbl reset (add/del)

Type: number

Format: counter

hash_tbl_rst_updown

Description Hash tbl reset (up/down)

Type: number

Format: counter

hash_tbl_trylock_fail

Description Hash tbl lock fail

Type: number

Format: counter

header_hash_enqueue

Description Header hash persist(enQ)

Type: number

Format: counter

header_hash_fail

Description Header hash persist fail

Type: number

Format: counter

header_hash_pri

Description Header hash persist(pri)

Type: number

Format: counter

header_hash_sec

Description Header hash persist(sec)

Type: number

Format: counter

src_ip

Description SRC IP persist ok

Type: number

Format: counter

src_ip_enforce

Description Enforce higher priority

Type: number

Format: counter

src_ip_enqueue

Description SRC IP persist enqueue

Type: number

Format: counter

src_ip_fail

Description SRC IP persist fail

Type: number

Format: counter

src_ip_hash_enqueue

Description SRC IP hash persist(enQ)

Type: number

Format: counter

src_ip_hash_fail

Description SRC IP hash persist fail

Type: number

Format: counter

src_ip_hash_pri

Description SRC IP hash persist(pri)

Type: number

Format: counter

src_ip_hash_sec

Description SRC IP hash persist(sec)

Type: number

Format: counter

src_ip_new_sess_cache

Description SRC IP new sess (cache)

Type: number

Format: counter

src_ip_new_sess_cache_fail

Description SRC IP new sess fail (c)

Type: number

Format: counter

src_ip_new_sess_sel

Description SRC IP new sess (select)

Type: number

Format: counter

src_ip_new_sess_sel_fail

Description SRC IP new sess fail (s)

Type: number

Format: counter

ssl_sid_persist_fail

Description SSL SID persist fail

Type: number

Format: counter

ssl_sid_persist_ok

Description SSL SID persist ok

Type: number

Format: counter

ssl_sid_session_fail

Description Create SSL SID fail

Type: number

Format: counter

ssl_sid_session_ok

Description Create SSL SID ok

Type: number

Format: counter

sssl_sid_match

Description Server SSL SID match

Type: number

Format: counter

sssl_sid_not_found

Description Server SSL SID not found

Type: number

Format: counter

sssl_sid_not_match

Description Server SSL SID not match

Type: number

Format: counter

sssl_sid_reset

Description Server SSL SID reset

Type: number

Format: counter

url_hash_enqueue

Description URL hash persist (enQ)

Type: number

Format: counter

url_hash_fail

Description URL hash persist fail

Type: number

Format: counter

url_hash_pri

Description URL hash persist (pri)

Type: number

Format: counter

url_hash_sec

Description URL hash persist (sec)

Type: number

Format: counter

2.120.130 slb player-id-ep

Player-id endpoint

player-id-ep Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	player-id-ep
Element URI	/axapi/v3/slb/player-id-ep
Element Attributes	player-id-ep_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/player-id-ep/oper
Schema	`player-id-ep schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/player-id-ep

player-id-ep attributes

Get Object

GET

/axapi/v3/slb/player-id-ep

player-id-ep attributes

Modify Object

POST

/axapi/v3/slb/player-id-ep

player-id-ep attributes

Replace Object

PUT

/axapi/v3/slb/player-id-ep

player-id-ep attributes

Delete Object

DELETE

/axapi/v3/slb/player-id-ep

player-id-ep attributes

player-id-ep attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.131 slb player-id-ep oper

Operational Status for the object player-id-ep

player-id-ep Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	player-id-ep
Element URI	/axapi/v3/slb/player-id-ep/oper
Element Attributes	player-id-ep_attributes
Partition Visibility	None
Schema	`player-id-ep schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/player-id-ep/oper

player-id-ep attributes

Get Object

GET

/axapi/v3/slb/player-id-ep/oper

player-id-ep attributes

Modify Object

POST

/axapi/v3/slb/player-id-ep/oper

player-id-ep attributes

Replace Object

PUT

/axapi/v3/slb/player-id-ep/oper

player-id-ep attributes

Delete Object

DELETE

/axapi/v3/slb/player-id-ep/oper

player-id-ep attributes

player-id-ep attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

filter_type

Description

Type: string

Supported Values: all, specific

player-id

Description

Type: number

player-id-ep-list

Type: List

total-players

Description

Type: number

oper_player-id-ep-list

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

game-server-address

Description

Type: string

game-server-port

Description

Type: number

idle-time

Description

Type: number

player-id

Description

Type: number

user-session-count

Description

Type: number

2.120.132 slb player-id-global

Player-id global commands

player-id-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	player-id-global
Element URI	/axapi/v3/slb/player-id-global
Element Attributes	player-id-global_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/player-id-global/stats
Operational Data URI	/axapi/v3/slb/player-id-global/oper
Schema	`player-id-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/player-id-global

player-id-global attributes

```
POST /axapi/v3/slb/player-id-global
Payload:
{
    "player-id-global": {
        "enable-64bit-player-id": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/player-id-global

player-id-global attributes

```
GET /axapi/v3/slb/player-id-global
Reponse:
{
    "player-id-global": {
        "enable-64bit-player-id": 1,
        "force-passive": 0,
        "enforcement-timer": 480,
        "min-expiration": 1,
        "pkt-activity-expiration": 5,
        "abs-max-expiration": 10,
        "uuid": "5172e948-b62b-11ef-9219-ae71681635d0",
        "a10-url": "/axapi/v3/slb/player-id-global"
    }
}
```

Modify Object

POST

/axapi/v3/slb/player-id-global

player-id-global attributes

Replace Object

PUT

/axapi/v3/slb/player-id-global

player-id-global attributes

```
PUT /axapi/v3/slb/player-id-global
Payload:
{
    "player-id-global": {
        "enable-64bit-player-id": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/player-id-global

player-id-global attributes

```
DELETE /axapi/v3/slb/player-id-global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

player-id-global attributes

abs-max-expiration

Description Absolute max record expiration value (default 10 minutes) (Absolute max record expiration time in minutes, default 10)

Type: number

Range: 1-32767

Default: 10

enable-64bit-player-id

Description Enable 64 bit player id check. Default is 32 bit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforcement-timer

Description Time to playerid enforcement after bootup (default 480 seconds) (Time to playerid enforcement in seconds, default 480)

Type: number

Range: 1-32767

Default: 480

force-passive

Description Forces the device to be in passive mode (Only stats and no packet drops)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

min-expiration

Description Minimum record expiration value (default 1 min) (Min record expiration time in minutes, default 1)

Type: number

Range: 1-32767

Default: 1

pkt-activity-expiration

Description Packet activity record expiration value (default 5 minutes) (Packet activity record expiration time in minutes, default 5)

Type: number

Range: 1-32767

Default: 5

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_playerids_created': Playerid records created; 'total_playerids_deleted': Playerid records deleted; 'total_abs_max_age_outs': Playerid records max time aged out; 'total_pkt_activity_age_outs': Playerid records idle timeout; 'total_invalid_playerid_pkts': Invalid playerid packets; 'total_invalid_playerid_drops': Invalid playerid packet drops; 'total_valid_playerid_pkts': Valid playerid packets;

Type: string

Supported Values: all, total_playerids_created, total_playerids_deleted, total_abs_max_age_outs, total_pkt_activity_age_outs, total_invalid_playerid_pkts, total_invalid_playerid_drops, total_valid_playerid_pkts

2.120.133 slb player-id-global oper

Operational Status for the object player-id-global

player-id-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	player-id-global
Element URI	/axapi/v3/slb/player-id-global/oper
Element Attributes	player-id-global_attributes
Partition Visibility	None
Schema	`player-id-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/player-id-global/oper

player-id-global attributes

Get Object

GET

/axapi/v3/slb/player-id-global/oper

player-id-global attributes

Modify Object

POST

/axapi/v3/slb/player-id-global/oper

player-id-global attributes

Replace Object

PUT

/axapi/v3/slb/player-id-global/oper

player-id-global attributes

Delete Object

DELETE

/axapi/v3/slb/player-id-global/oper

player-id-global attributes

player-id-global attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

state

Description

Type: string

Supported Values: Active, Passive, Forced Passive

table_count

Description

Type: number

time_to_active

Description

Type: number

2.120.134 slb player-id-global stats

Statistics for the object player-id-global

player-id-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	player-id-global
Element URI	/axapi/v3/slb/player-id-global/stats
Element Attributes	player-id-global_attributes
Partition Visibility	None
Schema	`player-id-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/player-id-global/stats

player-id-global attributes

Get Object

GET

/axapi/v3/slb/player-id-global/stats

player-id-global attributes

Modify Object

POST

/axapi/v3/slb/player-id-global/stats

player-id-global attributes

Replace Object

PUT

/axapi/v3/slb/player-id-global/stats

player-id-global attributes

Delete Object

DELETE

/axapi/v3/slb/player-id-global/stats

player-id-global attributes

player-id-global attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

total_abs_max_age_outs

Description Playerid records max time aged out

Type: number

Format: counter

total_invalid_playerid_drops

Description Invalid playerid packet drops

Type: number

Format: counter

total_invalid_playerid_pkts

Description Invalid playerid packets

Type: number

Format: counter

total_pkt_activity_age_outs

Description Playerid records idle timeout

Type: number

Format: counter

total_playerids_created

Description Playerid records created

Type: number

Format: counter

total_playerids_deleted

Description Playerid records deleted

Type: number

Format: counter

total_valid_playerid_pkts

Description Valid playerid packets

Type: number

Format: counter

2.120.135 slb pop3-proxy

Configure POP3 Proxy global

pop3-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pop3-proxy
Element URI	/axapi/v3/slb/pop3-proxy
Element Attributes	pop3-proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/pop3-proxy/stats
Operational Data URI	/axapi/v3/slb/pop3-proxy/oper
Schema	`pop3-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

```
POST /axapi/v3/slb/pop3-proxy
Payload:
{
    "pop3-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

```
GET /axapi/v3/slb/pop3-proxy
Reponse:
{
    "pop3-proxy": {
        "uuid": "5172e13c-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/pop3-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

Replace Object

PUT

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

```
PUT /axapi/v3/slb/pop3-proxy
Payload:
{
    "pop3-proxy": {
```

(continues on next page)

(continued from previous page)

```
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/pop3-proxy

pop3-proxy attributes

```
DELETE /axapi/v3/slb/pop3-proxy
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

pop3-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'curr': Current proxy conns; 'total': Total proxy conns; 'svrsel_fail': Server selection failure; 'no_route': no route failure; 'snat_fail': source nat failure; 'line_too_long': line too long; 'line_mem_freed': request line freed; 'invalid_start_line': invalid start line; 'stls': stls cmd; 'request_dont_care': other cmd; 'unsupported_command':

Unsupported cmd; 'bad_sequence': Bad Sequence; 'rsv_persist_conn_fail': Serv Sel Persist fail; 'smp_v6_fail': Serv Sel SMPv6 fail; 'smp_v4_fail': Serv Sel SMPv4 fail; 'insert_tuple_fail': Serv Sel insert tuple fail; 'cl_est_err': Client EST state erro; 'ser_connecting_err': Serv CTNG state error; 'server_response_err': Serv RESP state error; 'cl_request_err': Client RQ state error; 'request': Total POP3 Request; 'control_to_ssl': Control chn ssl;

Type: string

Supported Values: all, num, curr, total, svrsel_fail, no_route, snat_fail, line_too_long, line_mem_freed, invalid_start_line, stls, request_dont_care, unsupported_command, bad_sequence, rsv_persist_conn_fail, smp_v6_fail, smp_v4_fail, insert_tuple_fail, cl_est_err, ser_connecting_err, server_response_err, cl_request_err, request, control_to_ssl

2.120.136 slb pop3-proxy oper

Operational Status for the object pop3-proxy

pop3-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pop3-proxy
Element URI	/axapi/v3/slb/pop3-proxy/oper
Element Attributes	pop3-proxy_attributes
Partition Visibility	None
Schema	`pop3-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/pop3-proxy/oper

pop3-proxy attributes

Get Object

GET

/axapi/v3/slb/pop3-proxy/oper

pop3-proxy attributes

Modify Object

POST

/axapi/v3/slb/pop3-proxy/oper

pop3-proxy attributes

Replace Object

PUT

/axapi/v3/slb/pop3-proxy/oper

pop3-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/pop3-proxy/oper

pop3-proxy attributes

pop3-proxy attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

l4-cpu-list

Type: List

oper_l4-cpu-list

Specification	Value
Type	*list*
Block object keys	

bad_seq

Description

Type: number

client_est_state_err

Description

Type: number

client_rq_state_err

Description

Type: number

control_chn_ssl

Description

Type: number

current_proxy_conns

Description

Type: number

inv_start_line

Description

Type: number

no_route_failure

Description

Type: number

other_cmd

Description

Type: number

pop3_line_too_long

Description

Type: number

request_line_freed

Description

Type: number

serv_ctng_state_err

Description

Type: number

serv_resp_state_err

Description

Type: number

serv_sel_ins_tpl_fail

Description

Type: number

serv_sel_persist_fail

Description

Type: number

serv_sel_smpv4_fail

Description

Type: number

serv_sel_smpv6_fail

Description

Type: number

server_selection_failure

Description

Type: number

source_nat_failure

Description

Type: number

stls_packet

Description

Type: number

total_pop3_request

Description

Type: number

total_proxy_conns

Description

Type: number

2.120.137 slb pop3-proxy stats

Statistics for the object pop3-proxy

pop3-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pop3-proxy
Element URI	/axapi/v3/slb/pop3-proxy/stats
Element Attributes	pop3-proxy_attributes
Partition Visibility	None
Schema	`pop3-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/pop3-proxy/stats

pop3-proxy attributes

Get Object

GET

/axapi/v3/slb/pop3-proxy/stats

pop3-proxy attributes

Modify Object

POST

/axapi/v3/slb/pop3-proxy/stats

pop3-proxy attributes

Replace Object

PUT

/axapi/v3/slb/pop3-proxy/stats

pop3-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/pop3-proxy/stats

pop3-proxy attributes

pop3-proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad_sequence

Description Bad Sequence

Type: number

Format: counter

cl_est_err

Description Client EST state erro

Type: number

Format: counter

cl_request_err

Description Client RQ state error

Type: number

Format: counter

control_to_ssl

Description Control chn ssl

Type: number

Format: counter

curr

Description Current proxy conns

Type: number

Format: counter

insert_tuple_fail

Description Serv Sel insert tuple fail

Type: number

Format: counter

invalid_start_line

Description invalid start line

Type: number

Format: counter

line_mem_freed

Description request line freed

Type: number

Format: counter

line_too_long

Description line too long

Type: number

Format: counter

no_route

Description no route failure

Type: number

Format: counter

num

Description Num

Type: number

Format: counter

request

Description Total POP3 Request

Type: number

Format: counter

request_dont_care

Description other cmd

Type: number

Format: counter

rsv_persist_conn_fail

Description Serv Sel Persist fail

Type: number

Format: counter

ser_connecting_err

Description Serv CTNG state error

Type: number

Format: counter

server_response_err

Description Serv RESP state error

Type: number

Format: counter

smp_v4_fail

Description Serv Sel SMPv4 fail

Type: number

Format: counter

smp_v6_fail

Description Serv Sel SMPv6 fail

Type: number

Format: counter

snat_fail

Description source nat failure

Type: number

Format: counter

stls

Description stls cmd

Type: number

Format: counter

svrsel_fail

Description Server selection failure

Type: number

Format: counter

total

Description Total proxy conns

Type: number

Format: counter

unsupported_command

Description Unsupported cmd

Type: number

Format: counter

2.120.138 slb proxy

Configure Proxy Global

proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	proxy
Element URI	/axapi/v3/slb/proxy
Element Attributes	proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/proxy/stats
Schema	`proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/proxy

proxy attributes

```
POST /axapi/v3/slb/proxy
Payload:
{
    "proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/proxy

proxy attributes

```
GET /axapi/v3/slb/proxy
Reponse:
{
    "proxy": {
        "uuid": "5172e4e8-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/proxy

proxy attributes

Replace Object

PUT

/axapi/v3/slb/proxy

proxy attributes

```
PUT /axapi/v3/slb/proxy
Payload:
{
    "proxy": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/proxy

proxy attributes

```
DELETE /axapi/v3/slb/proxy
Reponse:
{
    "response": {
```

(continues on next page)

(continued from previous page)

```
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Num; 'tcp_event': TCP stack event; 'est_event': Connection established; 'data_event': Data received; 'client_fin': Client FIN; 'server_fin': Server FIN; 'wbuf_event': Ready to send data; 'err_event': Error occured; 'no_mem': No memory; 'client_rst': Client RST; 'server_rst': Server RST; 'queue_depth_over_limit': Queue depth over limit; 'event_failed': Event failed; 'conn_not_exist': Conn not exist; 'service_alloc_cb': Service alloc callback; 'service_alloc_cb_failed': Service alloc callback failed; 'service_free_cb': Service free callback; 'service_free_cb_failed': Service free callback failed; 'est_cb_failed': App EST callback failed; 'data_cb_failed': App DATA callback failed; 'wbuf_cb_failed': App WBUF callback failed; 'err_cb_failed': App ERR callback failed; 'start_server_conn': Start server conn; 'start_server_conn_succ': Success; 'start_server_conn_no_route': No route to server; 'start_server_conn_fail_mem': No memory; 'start_server_conn_fail_snat': Failed Source NAT; 'start_server_conn_fail_persist': Fail Persistence; 'start_server_conn_fail_server': Fail Server issue; 'start_server_conn_fail_tuple': Fail Tuple Issue; 'line_too_long': Line too long;

Type: string

Supported Values: all, num, tcp_event, est_event, data_event, client_fin, server_fin, wbuf_event, err_event, no_mem, client_rst, server_rst, queue_depth_over_limit, event_failed, conn_not_exist, service_alloc_cb, service_alloc_cb_failed, service_free_cb, service_free_cb_failed, est_cb_failed, data_cb_failed, wbuf_cb_failed, err_cb_failed, start_server_conn, start_server_conn_succ, start_server_conn_no_route, start_server_conn_fail_mem, start_server_conn_fail_snat, start_server_conn_fail_persist, start_server_conn_fail_server, start_server_conn_fail_tuple, line_too_long

2.120.139 slb proxy stats

Statistics for the object proxy

proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	proxy
Element URI	/axapi/v3/slb/proxy/stats
Element Attributes	proxy_attributes
Partition Visibility	None
Schema	`proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/proxy/stats

proxy attributes

Get Object

GET

/axapi/v3/slb/proxy/stats

proxy attributes

Modify Object

POST

/axapi/v3/slb/proxy/stats

proxy attributes

Replace Object

PUT

/axapi/v3/slb/proxy/stats

proxy attributes

Delete Object

DELETE

/axapi/v3/slb/proxy/stats

proxy attributes

proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_fin

Description Client FIN

Type: number

Format: counter

client_rst

Description Client RST

Type: number

Format: counter

conn_not_exist

Description Conn not exist

Type: number

Format: counter

data_cb_failed

Description App DATA callback failed

Type: number

Format: counter

data_event

Description Data received

Type: number

Format: counter

err_cb_failed

Description App ERR callback failed

Type: number

Format: counter

err_event

Description Error occured

Type: number

Format: counter

est_cb_failed

Description App EST callback failed

Type: number

Format: counter

est_event

Description Connection established

Type: number

Format: counter

event_failed

Description Event failed

Type: number

Format: counter

line_too_long

Description Line too long

Type: number

Format: counter

no_mem

Description No memory

Type: number

Format: counter

queue_depth_over_limit

Description Queue depth over limit

Type: number

Format: counter

server_fin

Description Server FIN

Type: number

Format: counter

server_rst

Description Server RST

Type: number

Format: counter

service_alloc_cb

Description Service alloc callback

Type: number

Format: counter

service_alloc_cb_failed

Description Service alloc callback failed

Type: number

Format: counter

service_free_cb

Description Service free callback

Type: number

Format: counter

service_free_cb_failed

Description Service free callback failed

Type: number

Format: counter

start_server_conn

Description Start server conn

Type: number

Format: counter

start_server_conn_fail_mem

Description No memory

Type: number

Format: counter

start_server_conn_fail_persist

Description Fail Persistence

Type: number

Format: counter

start_server_conn_fail_server

Description Fail Server issue

Type: number

Format: counter

start_server_conn_fail_snat

Description Failed Source NAT

Type: number

Format: counter

start_server_conn_fail_tuple

Description Fail Tuple Issue

Type: number

Format: counter

start_server_conn_no_route

Description No route to server

Type: number

Format: counter

start_server_conn_succ

Description Success

Type: number

Format: counter

tcp_event

Description TCP stack event

Type: number

Format: counter

wbuf_cb_failed

Description App WBUF callback failed

Type: number

Format: counter

wbuf_event

Description Ready to send data

Type: number

Format: counter

2.120.140 slb quic

Show QUIC Statistics

quic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	quic
Element URI	/axapi/v3/slb/quic
Element Attributes	quic_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/quic/stats
Operational Data URI	/axapi/v3/slb/quic/oper
Schema	`quic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/quic

quic attributes

Get Object

GET

/axapi/v3/slb/quic

quic attributes

Modify Object

POST

/axapi/v3/slb/quic

quic attributes

Replace Object

PUT

/axapi/v3/slb/quic

quic attributes

Delete Object

DELETE

/axapi/v3/slb/quic

quic attributes

quic attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'client_conn_attempted': Client connection attempted; 'client_conn_handshake': Client connection handshake; 'client_conn_created': Client connection created; 'client_conn_local_closed': Client connection local closed; 'client_conn_remote_closed': Client connection remote closed; 'client_conn_failed': Client connection failed; 'server_conn_attempted': Server connection attempted; 'server_conn_handshake': Server connection handshake; 'server_conn_created': Server connection created; 'server_conn_local_closed': Server connection local closed; 'server_conn_remote_closed': Server connection remote closed; 'server_conn_failed': Server connection failed; 'q_conn_created': Q connection created; 'q_conn_freed': Q connection freed; 'local_bi_stream_created': Local bi-stream created; 'remote_bi_stream_created': Remote bi-stream created; 'local_bi_stream_closed': Local bi-stream closed; 'remote_bi_stream_closed': Remote bi-stream closed; 'local_uni_stream_created': Local uni-stream created; 'remote_uni_stream_created': Remote uni-stream created; 'local_uni_stream_closed': Local uni-stream closed; 'remote_uni_stream_closed': Remote uni-stream closed; 'stream_error': Stream error; 'padding_frame_rx': padding frame receive; 'padding_frame_tx': padding frame send; 'ping_frame_rx': ping frame receive; 'ping_frame_tx': ping frame send; 'ack_frame_rx': ack frame receive; 'ack_frame_tx': ack frame send; 'ack_ecn_frame_rx': ack enc frame receive; 'ack_ecn_frame_tx': ack enc frame send; 'stream_rst_frame_rx': stream reset frame receive; 'stream_rst_frame_tx': stream reset frame send; 'stream_stop_frame_rx': stream stop frame receive; 'stream_stop_frame_tx': stream stop frame send; 'crypto_frame_rx': crypto frame receive; 'crypto_frame_tx': crypto frame send; 'new_token_frame_rx': new token frame receive; 'new_token_frame_tx': new token frame send; 'stream_frame_rx': stream frame receive; 'stream_frame_tx': stream frame send; 'stream_09_frame_rx': stream 09 frame receive; 'stream_09_frame_tx': stream 09 frame send; 'stream_0a_frame_rx': stream 0a frame receive; 'stream_0a_frame_tx': stream 0a frame send; 'stream_0b_frame_rx': stream 0b frame receive; 'stream_0b_frame_tx': stream 0b frame send; 'stream_0c_frame_rx': stream 0c frame receive; 'stream_0c_frame_tx': stream 0c frame send; 'stream_0d_frame_rx': stream 0d frame receive; 'stream_0d_frame_tx': stream 0d frame send; 'stream_0e_frame_rx': stream 0e frame receive; 'stream_0e_frame_tx': stream 0e frame send; 'stream_0f_frame_rx': stream 0f frame receive; 'stream_0f_frame_tx': stream 0f frame send; 'max_data_frame_rx': max data frame receive; 'max_data_frame_tx': max data frame send; 'max_stream_data_frame_rx': max stream data frame receive; 'max_stream_data_frame_tx': max stream data frame send; 'max_bi_stream_frame_rx': max bi stream frame receive; 'max_bi_stream_frame_tx': max bi stream frame send; 'max_uni_stream_frame_rx': max uni stream frame receive; 'max_uni_stream_frame_tx': max uni stream frame send; 'data_blocked_frame_rx': data blocked frame receive; 'data_blocked_frame_tx': data blocked frame send; 'stream_data_blocked_frame_rx': stream data blocked frame receive; 'stream_data_blocked_frame_tx': stream data blocked frame send; 'bi_stream_data_blocked_frame_rx': bi stream data blocked frame receive; 'bi_stream_data_blocked_frame_tx': bi stream data blocked frame send; 'uni_stream_data_blocked_frame_rx': uni stream data blocked frame receive; 'uni_stream_data_blocked_frame_tx': uni stream data blocked frame send; 'new_conn_id_frame_rx': new conn id frame receive; 'new_conn_id_frame_tx': new conn id frame send; 'retire_conn_id_frame_rx': retire conn id frame receive; 'retire_conn_id_frame_tx': retire conn id frame send; 'path_challenge_frame_rx': path

challenge frame receive; 'path_challenge_frame_tx': path challenge frame send; 'path_response_frame_rx': path response frame receive; 'path_response_frame_tx': path response frame send; 'conn_close_frame_rx': conn close frame receive; 'conn_close_frame_tx': conn close frame send; 'app_conn_close_frame_rx': app conn close frame receive; 'app_conn_close_frame_tx': app conn close frame send; 'handshake_done_frame_rx': handshake done frame receive; 'handshake_done_frame_tx': handshake done frame send; 'unknown_frame': Unknown frame; 'stream_fin_receive': Stream FIN receive; 'stream_fin_up': Stream FIN up; 'stream_fin_down': Stream FIN down; 'stream_fin_send': Stream FIN send; 'stream_congest': Stream congest; 'stream_open': Stream open; 'stream_pause_data': Stream pause data; 'stream_resume_data': Stream resume data; 'stream_not_send': Stream not send; 'stream_created': Stream created; 'stream_freed': Stream freed; 'INITIAL_rx': INITIAL receive; 'INITIAL_tx': INITIAL send; 'RTT_0_rx': RTT_0 receive; 'RTT_0_tx': RTT_0 send; 'HANDSHAKE_rx': HANDSHAKE receive; 'HANDSHAKE_tx': HANDSHAKE send; 'RETRY_rx': RETRY receive; 'RETRY_tx': RETRY send; 'VER_rx': Version receive; 'VER_tx': Version send; 'RTT_updated': RTT updated; 'Needs_ack': Needs ACK; 'Delayed_ack': Delayed ACK; 'Packet_rx': Packet receive; 'Packet_tx': Packet send; 'Packet_tx_failed': Packet send failed; 'Congest_wnd_inc': Congestion window increase; 'Congest_wnd_dec': Congestion window decrease; 'No_congest_wnd': No congestion window; 'Burst_limited': Burst limited; 'Packet_loop_limited': Packet loop limited; 'Receive_wnd_limited': Receive window limited; 'Parse_error': Parse error; 'Error_close': Conn closed of error; 'Unknown_scid': Unknown scid; 'Dcid_mismatch': Dcid mismatch; 'Packet_too_short': Packet_too_short; 'Invalid_version': Invalid version; 'Invalid_Packet': Invalid packet; 'Invalid_conn_match': Invalid conn match; 'Invalid_session_packet': Invalid session packet; 'Stateless_reset': Stateless resert; 'Packet_lost': Packet lost; 'Packet_drop': Packet drop; 'Packet_retransmit': Packet retransmit; 'Packet_out_of_order': Packet out of order; 'Quic_packet_drop': Quic packet drop; 'Encode_error': Encode error; 'Decode_failed': Decode failed; 'Decode_stream_error': Decode stream error; 'Exceed_flow_control': Exceed flow control; 'Tx_buffer_enq': Tx buffer enqueued; 'Tx_buffer_deq': Tx buffer dequeued; 'App_buffer_enq': App buffer enqueued; 'App_buffer_deq': App buffer dequeued; 'App_buffer_queue_full': App buffer queue full; 'Iov_buffer_bind': Iov buffer bind; 'Iov_buffer_unbind': Iov buffer unbind; 'Iov_buffer_dup': Iov buffer dup; 'Iov_alloc_len': Iov alloc len; 'No_tx_queue': No tx queue; 'wsocket_created': wsocket created; 'wsocket_closed': wsocket closed; 'a10_socket_created': a10 socket created; 'a10_socket_closed': a10 socket closed; 'No_a10_socket': no a10 socket; 'No_other_side_socket': no other side socket; 'No_w_engine': no w engine; 'on_ld_timeout': lost detection timeout; 'idle_alarm': conn idle timeout; 'ack_alarm': ack timeout; 'quic_malloc': QUIC malloc; 'quic_free': QUIC free; 'quic_malloc_failure': QUIC malloc failure; 'quick_malloc_failure': quick malloc failure; 'quic_lb': QUIC LB; 'cid_zero': CID Zero; 'cid_cpu_hash': CID CPU Hash; 'invalid_cid_sig': Invalid CID Signature; 'key_update_rx': QUIC TLS key update received; 'key_update_tx': QUIC TLS key update sent;

Type: string

Supported Values: all, client_conn_attempted, client_conn_handshake, client_conn_created, client_conn_local_closed, client_conn_remote_closed, client_conn_failed, server_conn_attempted, server_conn_handshake, server_conn_created, server_conn_local_closed, server_conn_remote_closed, server_conn_failed, q_conn_created, q_conn_freed, local_bi_stream_current, remote_bi_stream_current, local_bi_stream_created, remote_bi_stream_created, local_bi_stream_closed, remote_bi_stream_closed, local_uni_stream_current, remote_uni_stream_current, local_uni_stream_created, remote_uni_stream_created, local_uni_stream_closed, remote_uni_stream_closed, stream_error, stream_fail_to_insert, padding_frame_rx, padding_frame_tx, ping_frame_rx, ping_frame_tx, ack_frame_rx, ack_frame_tx, ack_ecn_frame_rx, ack_ecn_frame_tx, stream_rst_frame_rx, stream_rst_frame_tx, stream_stop_frame_rx, stream_stop_frame_tx, crypto_frame_rx, crypto_frame_tx, new_token_frame_rx,

new_token_frame_tx, stream_frame_rx, stream_frame_tx, stream_09_frame_rx, stream_09_frame_tx, stream_0a_frame_rx, stream_0a_frame_tx, stream_0b_frame_rx, stream_0b_frame_tx, stream_0c_frame_rx, stream_0c_frame_tx, stream_0d_frame_rx, stream_0d_frame_tx, stream_0e_frame_rx, stream_0e_frame_tx, stream_0f_frame_rx, stream_0f_frame_tx, max_data_frame_rx, max_data_frame_tx, max_stream_data_frame_rx, max_stream_data_frame_tx, max_bi_stream_frame_rx, max_bi_stream_frame_tx, max_uni_stream_frame_rx, max_uni_stream_frame_tx, data_blocked_frame_rx, data_blocked_frame_tx, stream_data_blocked_frame_rx, stream_data_blocked_frame_tx, bi_stream_data_blocked_frame_rx, bi_stream_data_blocked_frame_tx, uni_stream_data_blocked_frame_rx, uni_stream_data_blocked_frame_tx, new_conn_id_frame_rx, new_conn_id_frame_tx, retire_conn_id_frame_rx, retire_conn_id_frame_tx, path_challenge_frame_rx, path_challenge_frame_tx, path_response_frame_rx, path_response_frame_tx, conn_close_frame_rx, conn_close_frame_tx, app_conn_close_frame_rx, app_conn_close_frame_tx, handshake_done_frame_rx, handshake_done_frame_tx, unknown_frame, stream_fin_receive, stream_fin_up, stream_fin_down, stream_fin_send, stream_congest, stream_open, stream_pause_data, stream_resume_data, stream_not_send, stream_stop_send, stream_created, stream_freed, INITIAL_rx, INITIAL_tx, RTT_0_rx, RTT_0_tx, HANDSHAKE_rx, HANDSHAKE_tx, RETRY_rx, RETRY_tx, VER_rx, VER_tx, RTT_updated, Needs_ack, Delayed_ack, Packet_rx, Packet_tx, Packet_tx_failed, Congest_wnd_inc, Congest_wnd_dec, No_congest_wnd, Burst_limited, Packet_loop_limited, Receive_wnd_limited, Parse_error, Error_close, Unknown_scid, Dcid_mismatch, Packet_too_short, Invalid_version, Invalid_Packet, Invalid_conn_match, Invalid_session_packet, Stateless_reset, Packet_lost, Packet_drop, Packet_retransmit, Packet_out_of_order, Quic_packet_drop, Encode_error, Decode_failed, Decode_stream_error, Exceed_flow_control, Crypto_stream_not_found, Exceed_max_stream_id, Stream_id_mismatch, Ack_delay_huge, Ack_rng_huge_1, Ack_rng_huge_2, Ack_rng_huge_3, Too_noisy_fuzzing, Max_stream_too_big, Stream_blocked, New_conn_id_len_zero, New_conn_id_len_non_zero, Illegal_stream_len, Illegal_reason_len, Illegal_seq, Illegal_rpt, Illegal_len, Illegal_token_len, Cannot_insert_cid, Cannot_insert_srt, Cannot_retire_cid, No_next_scid, Token_len_too_long, Server_receive_new_token, Zero_frame_packet

counters2

Description 'Pkt_acked_failed': Pkt_acked_failed; 'Tx_buffer_enq': Tx buffer enqueued; 'Tx_buffer_deq': Tx buffer dequeued; 'App_buffer_enq': App buffer enqueued; 'App_buffer_deq': App buffer dequeued; 'App_buffer_queue_full': App buffer queue full; 'Iov_buffer_bind': Iov buffer bind; 'Iov_buffer_unbind': Iov buffer unbind; 'Iov_buffer_dup': Iov buffer dup; 'Iov_alloc_len': Iov alloc len; 'No_tx_queue': No tx queue; 'wsocket_created': wsocket created; 'wsocket_closed': wsocket closed; 'a10_socket_created': a10 socket created; 'a10_socket_closed': a10 socket closed; 'No_a10_socket': no a10 socket; 'No_other_side_socket': no other side socket; 'No_w_engine': no w engine; 'on_ld_timeout': lost detection timeout; 'idle_alarm': conn idle timeout; 'ack_alarm': ack timeout; 'quic_malloc': QUIC malloc; 'quic_free': QUIC free; 'quic_malloc_failure': QUIC malloc failure; 'quick_malloc_failure': quick malloc failure; 'quic_lb': QUIC LB; 'cid_zero': CID Zero; 'cid_cpu_hash': CID CPU Hash; 'invalid_cid_sig': Invalid CID Signature; 'key_update_rx': QUIC TLS key update received; 'key_update_tx': QUIC TLS key update sent;

Type: string

Supported Values: Err_frame_dec1, Err_frame_dec, Err_frame_decb, Err_frame_final_size, Err_flow_control, Err_protocol_violation, Server_rx_handshake_done, Pkt_acked_failed, Pn_insert_failed, Pn_delete_failed, Acked_packet_freed, Tx_buffer_enq, Tx_buffer_deq, App_buffer_enq, App_buffer_deq, App_buffer_queue_full, Iov_buffer_bind, Iov_buffer_unbind, Iov_buffer_dup, Iov_alloc_len, Iov_IO, Iov_System, No_tx_queue,

wsocket_created, wsocket_closed, a10_socket_created, a10_socket_closed, No_a10_socket, No_other_side_socket, No_w_engine, No_w_socket, on_ld_timeout, idle_alarm, ack_alarm, close_alarm, delay_alarm, quic_malloc, quic_free, quic_malloc_failure, quick_malloc_failure, quic_lb, cid_zero, cid_cpu_hash, invalid_cid_sig, key_update_rx, key_update_tx

2.120.141 slb quic oper

Operational Status for the object quic

quic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	quic
Element URI	/axapi/v3/slb/quic/oper
Element Attributes	quic_attributes
Partition Visibility	None
Schema	`quic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/quic/oper

quic attributes

Get Object

GET

/axapi/v3/slb/quic/oper

quic attributes

Modify Object

POST

/axapi/v3/slb/quic/oper

quic attributes

Replace Object

PUT

/axapi/v3/slb/quic/oper

quic attributes

Delete Object

DELETE

/axapi/v3/slb/quic/oper

quic attributes

quic attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

session-list

Type: List

total-sessions

Description

Type: number

oper_session-list

Specification	Value
Type	*list*
Block object keys	

fwd-active-dcids

Type: List

fwd-active-scids

Type: List

fwd-available-dcids

Type: List

fwd-available-scids

Type: List

fwd-dest

Description

Type: string

fwd-dest-cid

Description

Type: string

fwd-flags

Description

Type: string

fwd-retired-dcids

Type: List

fwd-retired-scids

Type: List

fwd-source

Description

Type: string

fwd-source-cid

Description

Type: string

fwd-state

Description

Type: string

reverse-tuples

Type: List

oper_session-list_fwd-retired-scids

Specification	Value
Type	*list*
Block object keys	

fwd-retired-scid

Description

Type: string

oper_session-list_fwd-available-scids

Specification	Value
Type	*list*
Block object keys	

fwd-available-scid

Description

Type: string

oper_session-list_fwd-retired-dcids

Specification	Value
Type	*list*
Block object keys	

fwd-retired-dcid

Description

Type: string

oper_session-list_reverse-tuples

Specification	Value
Type	*list*
Block object keys	

rev-active-dcids

Type: List

rev-active-scids

Type: List

rev-available-dcids

Type: List

rev-available-scids

Type: List

rev-dest

Description

Type: string

rev-dest-cid

Description

Type: string

rev-flags

Description

Type: string

rev-retired-dcids

Type: List

rev-retired-scids

Type: List

rev-source

Description

Type: string

rev-source-cid

Description

Type: string

rev-state

Description

Type: string

oper_session-list_reverse-tuples_rev-active-dcids

Specification	Value
Type	*list*
Block object keys	

rev-active-dcid

Description

Type: string

oper_session-list_reverse-tuples_rev-retired-dcids

Specification	Value
Type	*list*
Block object keys	

rev-retired-dcid

Description

Type: string

oper_session-list_reverse-tuples_rev-available-dcids

Specification	Value
Type	*list*
Block object keys	

rev-available-dcid

Description

Type: string

oper_session-list_reverse-tuples_rev-active-scids

Specification	Value
Type	*list*
Block object keys	

rev-active-scid

Description

Type: string

oper_session-list_reverse-tuples_rev-available-scids

Specification	Value
Type	*list*
Block object keys	

rev-available-scid

Description

Type: string

oper_session-list_reverse-tuples_rev-retired-scids

Specification	Value
Type	*list*
Block object keys	

rev-retired-scid

Description

Type: string

oper_session-list_fwd-active-scids

Specification	Value
Type	*list*
Block object keys	

fwd-active-scid

Description

Type: string

oper_session-list_fwd-active-dcids

Specification	Value
Type	*list*
Block object keys	

fwd-active-dcid

Description

Type: string

oper_session-list_fwd-available-dcids

Specification	Value
Type	*list*
Block object keys	

fwd-available-dcid

Description

Type: string

2.120.142 slb quic stats

Statistics for the object quic

quic Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	quic
Element URI	/axapi/v3/slb/quic/stats
Element Attributes	quic_attributes
Partition Visibility	None
Schema	`quic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/quic/stats

quic attributes

Get Object

GET

/axapi/v3/slb/quic/stats

quic attributes

Modify Object

POST

/axapi/v3/slb/quic/stats

quic attributes

Replace Object

PUT

/axapi/v3/slb/quic/stats

quic attributes

Delete Object

DELETE

/axapi/v3/slb/quic/stats

quic attributes

quic attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

Ack_delay_huge

Description Ack_delay_huge

Type: number

Format: counter

Ack_rng_huge_1

Description Ack_rng_huge_1

Type: number

Format: counter

Ack_rng_huge_2

Description Ack_rng_huge_2

Type: number

Format: counter

Ack_rng_huge_3

Description Ack_rng_huge_3

Type: number

Format: counter

Acked_packet_freed

Description Acked packet freed

Type: number

Format: counter

App_buffer_deq

Description App buffer dequeued

Type: number

Format: counter

App_buffer_enq

Description App buffer enqueued

Type: number

Format: counter

App_buffer_queue_full

Description App buffer queue full

Type: number

Format: counter

Burst_limited

Description Burst limited

Type: number

Format: counter

Cannot_insert_cid

Description Cannot_insert_cid

Type: number

Format: counter

Cannot_insert_srt

Description Cannot_insert_srt

Type: number

Format: counter

Cannot_retire_cid

Description Cannot_retire_cid

Type: number

Format: counter

Congest_wnd_dec

Description Congestion window decrease

Type: number

Format: counter

Congest_wnd_inc

Description Congestion window increase

Type: number

Format: counter

Crypto_stream_not_found

Description Crypto stream not found

Type: number

Format: counter

Dcid_mismatch

Description Dcid mismatch

Type: number

Format: counter

Decode_failed

Description Decode failed

Type: number

Format: counter

Decode_stream_error

Description Decode stream error

Type: number

Format: counter

Delayed_ack

Description Delayed ACK

Type: number

Format: counter

Encode_error

Description Encode error

Type: number

Format: counter

Err_flow_control

Description Err_flow_control

Type: number

Format: counter

Err_frame_dec

Description Err_frame_dec

Type: number

Format: counter

Err_frame_dec1

Description Err_frame_dec1

Type: number

Format: counter

Err_frame_decb

Description Err_frame_decb

Type: number

Format: counter

Err_frame_final_size

Description Err_frame_final_size

Type: number

Format: counter

Err_protocol_violation

Description Err_protocol_violation

Type: number

Format: counter

Error_close

Description Conn closed of error

Type: number

Format: counter

Exceed_flow_control

Description Exceed flow control

Type: number

Format: counter

Exceed_max_stream_id

Description Exceed_max_stream_id

Type: number

Format: counter

HANDSHAKE_rx

Description HANDSHAKE receive

Type: number

Format: counter

HANDSHAKE_tx

Description HANDSHAKE send

Type: number

Format: counter

INITIAL_rx

Description INITIAL receive

Type: number

Format: counter

INITIAL_tx

Description INITIAL send

Type: number

Format: counter

Illegal_len

Description Illegal_len

Type: number

Format: counter

Illegal_reason_len

Description Illegal_reason_len

Type: number

Format: counter

Illegal_rpt

Description Illegal_rpt

Type: number

Format: counter

Illegal_seq

Description Illegal_seq

Type: number

Format: counter

Illegal_stream_len

Description Illegal_stream_len

Type: number

Format: counter

Illegal_token_len

Description Illegal_token_len

Type: number

Format: counter

Invalid_Packet

Description Invalid packet

Type: number

Format: counter

Invalid_conn_match

Description Invalid conn match

Type: number

Format: counter

Invalid_session_packet

Description Invalid session packet

Type: number

Format: counter

Invalid_version

Description Invalid version

Type: number

Format: counter

Iov_IO

Description Iov IO

Type: number

Format: counter

Iov_System

Description Iov System

Type: number

Format: counter

Iov_alloc_len

Description Iov alloc len

Type: number

Format: counter

Iov_buffer_bind

Description Iov buffer bind

Type: number

Format: counter

Iov_buffer_dup

Description Iov buffer dup

Type: number

Format: counter

Iov_buffer_unbind

Description Iov buffer unbind

Type: number

Format: counter

Max_stream_too_big

Description Max_stream_too_big

Type: number

Format: counter

Needs_ack

Description Needs ACK

Type: number

Format: counter

New_conn_id_len_non_zero

Description New_conn_id_len_non_zero

Type: number

Format: counter

New_conn_id_len_zero

Description New_conn_id_len_zero

Type: number

Format: counter

No_a10_socket

Description no a10 socket

Type: number

Format: counter

No_congest_wnd

Description No congestion window

Type: number

Format: counter

No_next_scid

Description No_next_scid

Type: number

Format: counter

No_other_side_socket

Description no other side socket

Type: number

Format: counter

No_tx_queue

Description No tx queue

Type: number

Format: counter

No_w_engine

Description no w engine

Type: number

Format: counter

No_w_socket

Description no w socket

Type: number

Format: counter

Packet_drop

Description Packet drop

Type: number

Format: counter

Packet_loop_limited

Description Packet loop limited

Type: number

Format: counter

Packet_lost

Description Packet lost

Type: number

Format: counter

Packet_out_of_order

Description Packet out of order

Type: number

Format: counter

Packet_retransmit

Description Packet retransmit

Type: number

Format: counter

Packet_rx

Description Packet receive

Type: number

Format: counter

Packet_too_short

Description Packet_too_short

Type: number

Format: counter

Packet_tx

Description Packet send

Type: number

Format: counter

Packet_tx_failed

Description Packet send failed

Type: number

Format: counter

Parse_error

Description Parse error

Type: number

Format: counter

Pkt_acked_failed

Description Pkt_acked_failed

Type: number

Format: counter

Pn_delete_failed

Description Pn delete failed

Type: number

Format: counter

Pn_insert_failed

Description Pn insert failed

Type: number

Format: counter

Quic_packet_drop

Description Quic packet drop

Type: number

Format: counter

RETRY_rx

Description RETRY receive

Type: number

Format: counter

RETRY_tx

Description RETRY send

Type: number

Format: counter

RTT_0_rx

Description RTT_0 receive

Type: number

Format: counter

RTT_0_tx

Description RTT_0 send

Type: number

Format: counter

RTT_updated

Description RTT updated

Type: number

Format: counter

Receive_wnd_limited

Description Receive window limited

Type: number

Format: counter

Server_receive_new_token

Description Server_receive_new_token

Type: number

Format: counter

Server_rx_handshake_done

Description Server_rx_handshake_done

Type: number

Format: counter

Stateless_reset

Description Stateless resert

Type: number

Format: counter

Stream_blocked

Description Stream_blocked

Type: number

Format: counter

Stream_id_mismatch

Description Stream_id_mismatch

Type: number

Format: counter

Token_len_too_long

Description Token_len_too_long

Type: number

Format: counter

Too_noisy_fuzzing

Description Too_noisy_fuzzing

Type: number

Format: counter

Tx_buffer_deq

Description Tx buffer dequeued

Type: number

Format: counter

Tx_buffer_enq

Description Tx buffer enqueued

Type: number

Format: counter

Unknown_scid

Description Unknown scid

Type: number

Format: counter

VER_rx

Description Version receive

Type: number

Format: counter

VER_tx

Description Version send

Type: number

Format: counter

Zero_frame_packet

Description Zero_frame_packet

Type: number

Format: counter

a10_socket_closed

Description a10 socket closed

Type: number

Format: counter

a10_socket_created

Description a10 socket created

Type: number

Format: counter

ack_alarm

Description ack timeout

Type: number

Format: counter

ack_ecn_frame_rx

Description ack enc frame receive

Type: number

Format: counter

ack_ecn_frame_tx

Description ack enc frame send

Type: number

Format: counter

ack_frame_rx

Description ack frame receive

Type: number

Format: counter

ack_frame_tx

Description ack frame send

Type: number

Format: counter

app_conn_close_frame_rx

Description app conn close frame receive

Type: number

Format: counter

app_conn_close_frame_tx

Description app conn close frame send

Type: number

Format: counter

bi_stream_data_blocked_frame_rx

Description bi stream data blocked frame receive

Type: number

Format: counter

bi_stream_data_blocked_frame_tx

Description bi stream data blocked frame send

Type: number

Format: counter

cid_cpu_hash

Description CID CPU Hash

Type: number

Format: counter

cid_zero

Description CID Zero

Type: number

Format: counter

client_conn_attempted

Description Client connection attempted

Type: number

Format: counter

client_conn_created

Description Client connection created

Type: number

Format: counter

client_conn_failed

Description Client connection failed

Type: number

Format: counter

client_conn_handshake

Description Client connection handshake

Type: number

Format: counter

client_conn_local_closed

Description Client connection local closed

Type: number

Format: counter

client_conn_remote_closed

Description Client connection remote closed

Type: number

Format: counter

close_alarm

Description close timeout

Type: number

Format: counter

conn_close_frame_rx

Description conn close frame receive

Type: number

Format: counter

conn_close_frame_tx

Description conn close frame send

Type: number

Format: counter

crypto_frame_rx

Description crypto frame receive

Type: number

Format: counter

crypto_frame_tx

Description crypto frame send

Type: number

Format: counter

data_blocked_frame_rx

Description data blocked frame receive

Type: number

Format: counter

data_blocked_frame_tx

Description data blocked frame send

Type: number

Format: counter

delay_alarm

Description delay timeout

Type: number

Format: counter

handshake_done_frame_rx

Description handshake done frame receive

Type: number

Format: counter

handshake_done_frame_tx

Description handshake done frame send

Type: number

Format: counter

idle_alarm

Description conn idle timeout

Type: number

Format: counter

invalid_cid_sig

Description Invalid CID Signature

Type: number

Format: counter

key_update_rx

Description QUIC TLS key update received

Type: number

Format: counter

key_update_tx

Description QUIC TLS key update sent

Type: number

Format: counter

local_bi_stream_closed

Description Local bi-stream closed

Type: number

Format: counter

local_bi_stream_created

Description Local bi-stream created

Type: number

Format: counter

local_bi_stream_current

Description Current local bi-stream

Type: number

Format: counter

local_uni_stream_closed

Description Local uni-stream closed

Type: number

Format: counter

local_uni_stream_created

Description Local uni-stream created

Type: number

Format: counter

local_uni_stream_current

Description Current local uni-stream

Type: number

Format: counter

max_bi_stream_frame_rx

Description max bi stream frame receive

Type: number

Format: counter

max_bi_stream_frame_tx

Description max bi stream frame send

Type: number

Format: counter

max_data_frame_rx

Description max data frame receive

Type: number

Format: counter

max_data_frame_tx

Description max data frame send

Type: number

Format: counter

max_stream_data_frame_rx

Description max stream data frame receive

Type: number

Format: counter

max_stream_data_frame_tx

Description max stream data frame send

Type: number

Format: counter

max_uni_stream_frame_rx

Description max uni stream frame receive

Type: number

Format: counter

max_uni_stream_frame_tx

Description max uni stream frame send

Type: number

Format: counter

new_conn_id_frame_rx

Description new conn id frame receive

Type: number

Format: counter

new_conn_id_frame_tx

Description new conn id frame send

Type: number

Format: counter

new_token_frame_rx

Description new token frame receive

Type: number

Format: counter

new_token_frame_tx

Description new token frame send

Type: number

Format: counter

on_ld_timeout

Description lost detection timeout

Type: number

Format: counter

padding_frame_rx

Description padding frame receive

Type: number

Format: counter

padding_frame_tx

Description padding frame send

Type: number

Format: counter

path_challenge_frame_rx

Description path challenge frame receive

Type: number

Format: counter

path_challenge_frame_tx

Description path challenge frame send

Type: number

Format: counter

path_response_frame_rx

Description path response frame receive

Type: number

Format: counter

path_response_frame_tx

Description path response frame send

Type: number

Format: counter

ping_frame_rx

Description ping frame receive

Type: number

Format: counter

ping_frame_tx

Description ping frame send

Type: number

Format: counter

q_conn_created

Description Q connection created

Type: number

Format: counter

q_conn_freed

Description Q connection freed

Type: number

Format: counter

quic_free

Description QUIC free

Type: number

Format: counter

quic_lb

Description QUIC LB

Type: number

Format: counter

quic_malloc

Description QUIC malloc

Type: number

Format: counter

quic_malloc_failure

Description QUIC malloc failure

Type: number

Format: counter

quick_malloc_failure

Description quick malloc failure

Type: number

Format: counter

remote_bi_stream_closed

Description Remote bi-stream closed

Type: number

Format: counter

remote_bi_stream_created

Description Remote bi-stream created

Type: number

Format: counter

remote_bi_stream_current

Description Current remote bi-stream

Type: number

Format: counter

remote_uni_stream_closed

Description Remote uni-stream closed

Type: number

Format: counter

remote_uni_stream_created

Description Remote uni-stream created

Type: number

Format: counter

remote_uni_stream_current

Description Current remote uni-stream

Type: number

Format: counter

retire_conn_id_frame_rx

Description retire conn id frame receive

Type: number

Format: counter

retire_conn_id_frame_tx

Description retire conn id frame send

Type: number

Format: counter

server_conn_attempted

Description Server connection attempted

Type: number

Format: counter

server_conn_created

Description Server connection created

Type: number

Format: counter

server_conn_failed

Description Server connection failed

Type: number

Format: counter

server_conn_handshake

Description Server connection handshake

Type: number

Format: counter

server_conn_local_closed

Description Server connection local closed

Type: number

Format: counter

server_conn_remote_closed

Description Server connection remote closed

Type: number

Format: counter

stream_09_frame_rx

Description stream 09 frame receive

Type: number

Format: counter

stream_09_frame_tx

Description stream 09 frame send

Type: number

Format: counter

stream_0a_frame_rx

Description stream 0a frame receive

Type: number

Format: counter

stream_0a_frame_tx

Description stream 0a frame send

Type: number

Format: counter

stream_0b_frame_rx

Description stream 0b frame receive

Type: number

Format: counter

stream_0b_frame_tx

Description stream 0b frame send

Type: number

Format: counter

stream_0c_frame_rx

Description stream 0c frame receive

Type: number

Format: counter

stream_0c_frame_tx

Description stream 0c frame send

Type: number

Format: counter

stream_0d_frame_rx

Description stream 0d frame receive

Type: number

Format: counter

stream_0d_frame_tx

Description stream 0d frame send

Type: number

Format: counter

stream_0e_frame_rx

Description stream 0e frame receive

Type: number

Format: counter

stream_0e_frame_tx

Description stream 0e frame send

Type: number

Format: counter

stream_0f_frame_rx

Description stream 0f frame receive

Type: number

Format: counter

stream_0f_frame_tx

Description stream 0f frame send

Type: number

Format: counter

stream_congest

Description Stream congest

Type: number

Format: counter

stream_created

Description Stream created

Type: number

Format: counter

stream_data_blocked_frame_rx

Description stream data blocked frame receive

Type: number

Format: counter

stream_data_blocked_frame_tx

Description stream data blocked frame send

Type: number

Format: counter

stream_error

Description Stream error

Type: number

Format: counter

stream_fail_to_insert

Description Stream fail to insert

Type: number

Format: counter

stream_fin_down

Description Stream FIN down

Type: number

Format: counter

stream_fin_receive

Description Stream FIN receive

Type: number

Format: counter

stream_fin_send

Description Stream FIN send

Type: number

Format: counter

stream_fin_up

Description Stream FIN up

Type: number

Format: counter

stream_frame_rx

Description stream frame receive

Type: number

Format: counter

stream_frame_tx

Description stream frame send

Type: number

Format: counter

stream_freed

Description Stream freed

Type: number

Format: counter

stream_not_send

Description Stream not send

Type: number

Format: counter

stream_open

Description Stream open

Type: number

Format: counter

stream_pause_data

Description Stream pause data

Type: number

Format: counter

stream_resume_data

Description Stream resume data

Type: number

Format: counter

stream_rst_frame_rx

Description stream reset frame receive

Type: number

Format: counter

stream_rst_frame_tx

Description stream reset frame send

Type: number

Format: counter

stream_stop_frame_rx

Description stream stop frame receive

Type: number

Format: counter

stream_stop_frame_tx

Description stream stop frame send

Type: number

Format: counter

stream_stop_send

Description Stream stop send

Type: number

Format: counter

uni_stream_data_blocked_frame_rx

Description uni stream data blocked frame receive

Type: number

Format: counter

uni_stream_data_blocked_frame_tx

Description uni stream data blocked frame send

Type: number

Format: counter

unknown_frame

Description Unknown frame

Type: number

Format: counter

wsocket_closed

Description wsocket closed

Type: number

Format: counter

wsocket_created

Description wsocket created

Type: number

Format: counter

2.120.143 slb rate-limit-log

Configure rate limit logging

rate-limit-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit-log
Element URI	/axapi/v3/slb/rate-limit-log
Element Attributes	rate-limit-log_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/rate-limit-log/stats
Operational Data URI	/axapi/v3/slb/rate-limit-log/oper
Schema	`rate-limit-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

```
POST /axapi/v3/slb/rate-limit-log
Payload:
{
    "rate-limit-log": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

```
GET /axapi/v3/slb/rate-limit-log
Reponse:
{
    "rate-limit-log": {
        "uuid": "5172da16-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/rate-limit-log"
    }
}
```

Modify Object

POST

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

Replace Object

PUT

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

```
PUT /axapi/v3/slb/rate-limit-log
Payload:
{
    "rate-limit-log": {
```

(continues on next page)

(continued from previous page)

```
        "sampling-enable": [
            {
                "counters1": "total_log_times"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/rate-limit-log

rate-limit-log attributes

```
DELETE /axapi/v3/slb/rate-limit-log
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rate-limit-log attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_log_times': Total log times; 'total_log_msg': Total log messages; 'local_log_msg': Local log messages; 'remote_log_msg': Remote log messages; 'local_log_rate': Local rate (per sec); 'remote_log_rate': Remote rate (per sec); 'msg_too_big': Log message too big; 'buff_alloc_fail': Buffer alloc fail; 'no_route': No

route; 'buff_send_fail': Buffer send fail; 'alloc_conn': Log-session alloc; 'free_conn': Log-session free; 'conn_alloc_fail': Log-session alloc fail; 'no_repeat_msg': No repeat message; 'local_log_dropped': Local log dropped due to rate-limit;

Type: string

Supported Values: all, total_log_times, total_log_msg, local_log_msg, remote_log_msg, local_log_rate, remote_log_rate, msg_too_big, buff_alloc_fail, no_route, buff_send_fail, alloc_conn, free_conn, conn_alloc_fail, no_repeat_msg, local_log_dropped

2.120.144 slb rate-limit-log oper

Operational Status for the object rate-limit-log

rate-limit-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit-log
Element URI	/axapi/v3/slb/rate-limit-log/oper
Element Attributes	rate-limit-log_attributes
Partition Visibility	None
Schema	`rate-limit-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rate-limit-log/oper

rate-limit-log attributes

Get Object

GET

/axapi/v3/slb/rate-limit-log/oper

rate-limit-log attributes

Modify Object

POST

/axapi/v3/slb/rate-limit-log/oper

rate-limit-log attributes

Replace Object

PUT

/axapi/v3/slb/rate-limit-log/oper

rate-limit-log attributes

Delete Object

DELETE

/axapi/v3/slb/rate-limit-log/oper

rate-limit-log attributes

rate-limit-log attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

rate-limit-log-cpu-list

Type: List

oper_rate-limit-log-cpu-list

Specification	Value
Type	*list*
Block object keys	

alloc_conn

Description

Type: number

buff_alloc_fail

Description

Type: number

buff_send_fail

Description

Type: number

conn_alloc_fail

Description

Type: number

free_conn

Description

Type: number

local_log_dropped

Description

Type: number

local_log_msg

Description

Type: number

local_log_rate

Description

Type: number

msg_too_big

Description

Type: number

no_repeat_msg

Description

Type: number

no_route

Description

Type: number

remote_log_msg

Description

Type: number

remote_log_rate

Description

Type: number

total_log_msg

Description

Type: number

total_log_times

Description

Type: number

2.120.145 slb rate-limit-log stats

Statistics for the object rate-limit-log

rate-limit-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit-log
Element URI	/axapi/v3/slb/rate-limit-log/stats
Element Attributes	rate-limit-log_attributes
Partition Visibility	None
Schema	`rate-limit-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rate-limit-log/stats

rate-limit-log attributes

Get Object

GET

/axapi/v3/slb/rate-limit-log/stats

rate-limit-log attributes

Modify Object

POST

/axapi/v3/slb/rate-limit-log/stats

rate-limit-log attributes

Replace Object

PUT

/axapi/v3/slb/rate-limit-log/stats

rate-limit-log attributes

Delete Object

DELETE

/axapi/v3/slb/rate-limit-log/stats

rate-limit-log attributes

rate-limit-log attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

alloc_conn

Description Log-session alloc

Type: number

Format: counter

buff_alloc_fail

Description Buffer alloc fail

Type: number

Format: counter

buff_send_fail

Description Buffer send fail

Type: number

Format: counter

conn_alloc_fail

Description Log-session alloc fail

Type: number

Format: counter

free_conn

Description Log-session free

Type: number

Format: counter

local_log_dropped

Description Local log dropped due to rate-limit

Type: number

Format: counter

local_log_msg

Description Local log messages

Type: number

Format: counter

local_log_rate

Description Local rate (per sec)

Type: number

Format: counter

msg_too_big

Description Log message too big

Type: number

Format: counter

no_repeat_msg

Description No repeat message

Type: number

Format: counter

no_route

Description No route

Type: number

Format: counter

remote_log_msg

Description Remote log messages

Type: number

Format: counter

remote_log_rate

Description Remote rate (per sec)

Type: number

Format: counter

total_log_msg

Description Total log messages

Type: number

Format: counter

total_log_times

Description Total log times

Type: number

Format: counter

2.120.146 slb rc-cache-global

global ram cache stats

rc-cache-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rc-cache-global
Element URI	/axapi/v3/slb/rc-cache-global
Element Attributes	rc-cache-global_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/rc-cache-global/stats
Operational Data URI	/axapi/v3/slb/rc-cache-global/oper
Schema	`rc-cache-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

```
POST /axapi/v3/slb/rc-cache-global
Payload:
{
    "rc-cache-global": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

```
GET /axapi/v3/slb/rc-cache-global
Reponse:
{
    "rc-cache-global": {
        "uuid": "5172e63c-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/rc-cache-global"
    }
}
```

Modify Object

POST

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

Replace Object

PUT

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

```
PUT /axapi/v3/slb/rc-cache-global
Payload:
{
    "rc-cache-global": {
        "sampling-enable": [
            {
                "counters1": "hits"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/rc-cache-global

rc-cache-global attributes

```
DELETE /axapi/v3/slb/rc-cache-global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rc-cache-global attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Cache Hits; 'miss': Cache Misses; 'bytes_served': Bytes Served; 'total_req': Total Requests; 'caching_req': Cacheable Requests; 'nc_req_header': No-cache Request; 'nc_res_header': Not cacheable; 'rv_success': Revalidation Successes; 'rv_failure': Revalidation Failures; 'ims_request': IMS Requests; 'nm_response': Responses from cache 304 Not Modified; 'rsp_type_CL': Responses from server 200 OK - Cont Len; 'rsp_type_CE': Responses from server 200 OK - Chnk Enc; 'rsp_type_304': Responses from server 304 Not Modified; 'rsp_type_other': Responses from server 200 OK - Other; 'rsp_no_compress': Responses from cache 200 OK - No Comp; 'rsp_gzip': Responses from cache 200 OK - Gzip; 'rsp_deflate': Responses from cache 200 OK - Deflate; 'rsp_other': Responses from cache Other; 'nocache_match': Policy URI nocache; 'match': Policy URI cache; 'invalidate_match': Policy URI invalidate; 'content_toobig': Policy Content Too Big; 'content_toosmall': Policy Content Too Small; 'entry_create_failures': Entry Create failures; 'mem_size': Memory Used; 'entry_num': Entry Cached; 'replaced_entry': Entry Replaced; 'aging_entry': Entry Aged Out; 'cleaned_entry': Entry Cleaned; 'rsp_type_stream': Responses from http2 server 200 OK - Stream; 'rsp_br': Responses from cache 200 OK - Brotli;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream, rsp_br

2.120.147 slb rc-cache-global oper

Operational Status for the object rc-cache-global

rc-cache-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rc-cache-global
Element URI	/axapi/v3/slb/rc-cache-global/oper
Element Attributes	rc-cache-global_attributes
Partition Visibility	None
Schema	`rc-cache-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rc-cache-global/oper

rc-cache-global attributes

Get Object

GET

/axapi/v3/slb/rc-cache-global/oper

rc-cache-global attributes

Modify Object

POST

/axapi/v3/slb/rc-cache-global/oper

rc-cache-global attributes

Replace Object

PUT

/axapi/v3/slb/rc-cache-global/oper

rc-cache-global attributes

Delete Object

DELETE

/axapi/v3/slb/rc-cache-global/oper

rc-cache-global attributes

rc-cache-global attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

304_ratio

Description

Type: string

bytes_served

Description

Type: string

cache_hits

Description

Type: number

cache_miss

Description

Type: number

cacheable_requests

Description

Type: number

display_detail

Description

Type: number

entries_aged

Description

Type: number

entries_cached

Description

Type: number

entries_cleaned

Description

Type: number

entries_create_fail

Description

Type: number

entries_replaced

Description

Type: number

entry-list

Type: List

hit_ratio

Description

Type: string

ims_requests

Description

Type: number

memory_used

Description

Type: string

no_cache_requests

Description

Type: number

polic_uri_invalidate

Description

Type: number

policy_content_big

Description

Type: number

policy_content_small

Description

Type: number

policy_uri_cache

Description

Type: number

policy_uri_nocache

Description

Type: number

replacement-list

Type: List

resp_cache_200_ok_deflate

Description

Type: number

resp_cache_200_ok_gzip

Description

Type: number

resp_cache_200_ok_no_comp

Description

Type: number

resp_cache_304_not_modified

Description

Type: number

resp_cache_other

Description

Type: number

resp_server_200_ok_chunk

Description

Type: number

resp_server_200_ok_cont

Description

Type: number

resp_server_304_not_modified

Description

Type: number

resp_server_no_cache_response

Description

Type: number

resp_server_other

Description

Type: number

revalidation_failure

Description

Type: number

revalidation_success

Description

Type: number

total_request

Description

Type: number

uri_name

Description

Type: string

virtual_port

Description

Type: number

virtual_server

Description

Type: string

oper_replacement-list

Specification	Value
Type	*list*
Block object keys	

eight

Description

Type: number

four

Description

Type: number

one

Description

Type: number

one-128th

Description

Type: number

one-16th

Description

Type: number

one-256th

Description

Type: number

one-2th

Description

Type: number

one-32th

Description

Type: number

one-4th

Description

Type: number

one-64th

Description

Type: number

one-8th

Description

Type: number

one-twenty-eight

Description

Type: number

sixteen

Description

Type: number

sixty-four

Description

Type: number

thirty-two

Description

Type: number

two

Description

Type: number

oper_entry-list

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: string

bytes

Description

Type: number

bytes1

Description

Type: string

cache_control

Description

Type: string

concurrent_readers

Description

Type: string

content_encoding

Description

Type: string

date

Description

Type: string

etag

Description

Type: string

expires

Description

Type: string

expires1

Description

Type: string

full_response_cache

Description

Type: string

hits

Description

Type: string

host

Description

Type: string

host1

Description

Type: string

http_request_method

Description

Type: string

http_version

Description

Type: string

last_modified

Description

Type: string

memory_configured

Description

Type: string

memory_used

Description

Type: string

memory_used_locally

Description

Type: string

misses

Description

Type: string

partition

Description

Type: string

percent_used

Description

Type: string

response_chunked_encoding

Description

Type: string

response_hdr_len

Description

Type: string

status

Description

Type: string

status_code

Description

Type: string

time_elapsed

Description

Type: string

type

Description

Type: string

url

Description

Type: string

url1

Description

Type: string

vport

Description

Type: string

vserver_name

Description

Type: string

weak_etag

Description

Type: string

2.120.148 slb rc-cache-global stats

Statistics for the object rc-cache-global

rc-cache-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rc-cache-global
Element URI	/axapi/v3/slb/rc-cache-global/stats
Element Attributes	rc-cache-global_attributes
Partition Visibility	None
Schema	`rc-cache-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rc-cache-global/stats

rc-cache-global attributes

Get Object

GET

/axapi/v3/slb/rc-cache-global/stats

rc-cache-global attributes

Modify Object

POST

/axapi/v3/slb/rc-cache-global/stats

rc-cache-global attributes

Replace Object

PUT

/axapi/v3/slb/rc-cache-global/stats

rc-cache-global attributes

Delete Object

DELETE

/axapi/v3/slb/rc-cache-global/stats

rc-cache-global attributes

rc-cache-global attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

aging_entry

Description Entry Aged Out

Type: number

Format: counter

bytes_served

Description Bytes Served

Type: number

Format: counter

caching_req

Description Cacheable Requests

Type: number

Format: counter

cleaned_entry

Description Entry Cleaned

Type: number

Format: counter

content_toobig

Description Policy Content Too Big

Type: number

Format: counter

content_toosmall

Description Policy Content Too Small

Type: number

Format: counter

entry_create_failures

Description Entry Create failures

Type: number

Format: counter

entry_num

Description Entry Cached

Type: number

Format: counter

hits

Description Cache Hits

Type: number

Format: counter

ims_request

Description IMS Requests

Type: number

Format: counter

invalidate_match

Description Policy URI invalidate

Type: number

Format: counter

match

Description Policy URI cache

Type: number

Format: counter

mem_size

Description Memory Used

Type: number

Format: counter

miss

Description Cache Misses

Type: number

Format: counter

nc_req_header

Description No-cache Request

Type: number

Format: counter

nc_res_header

Description Not cacheable

Type: number

Format: counter

nm_response

Description Responses from cache 304 Not Modified

Type: number

Format: counter

nocache_match

Description Policy URI nocache

Type: number

Format: counter

replaced_entry

Description Entry Replaced

Type: number

Format: counter

rsp_br

Description Responses from cache 200 OK - Brotli

Type: number

Format: counter

rsp_deflate

Description Responses from cache 200 OK - Deflate

Type: number

Format: counter

rsp_gzip

Description Responses from cache 200 OK - Gzip

Type: number

Format: counter

rsp_no_compress

Description Responses from cache 200 OK - No Comp

Type: number

Format: counter

rsp_other

Description Responses from cache Other

Type: number

Format: counter

rsp_type_304

Description Responses from server 304 Not Modified

Type: number

Format: counter

rsp_type_CE

Description Responses from server 200 OK - Chnk Enc

Type: number

Format: counter

rsp_type_CL

Description Responses from server 200 OK - Cont Len

Type: number

Format: counter

rsp_type_other

Description Responses from server 200 OK - Other

Type: number

Format: counter

rsp_type_stream

Description Responses from http2 server 200 OK - Stream

Type: number

Format: counter

rv_failure

Description Revalidation Failures

Type: number

Format: counter

rv_success

Description Revalidation Successes

Type: number

Format: counter

total_req

Description Total Requests

Type: number

Format: counter

2.120.149 slb reset-unknown-conn oper

Operational Status for the object reset-unknown-conn

reset-unknown-conn Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reset-unknown-conn
Element URI	/axapi/v3/slb/reset-unknown-conn/oper
Element Attributes	reset-unknown-conn_attributes
Partition Visibility	None
Schema	`reset-unknown-conn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/reset-unknown-conn/oper

reset-unknown-conn attributes

Get Object

GET

/axapi/v3/slb/reset-unknown-conn/oper

reset-unknown-conn attributes

Modify Object

POST

/axapi/v3/slb/reset-unknown-conn/oper

reset-unknown-conn attributes

Replace Object

PUT

/axapi/v3/slb/reset-unknown-conn/oper

reset-unknown-conn attributes

Delete Object

DELETE

/axapi/v3/slb/reset-unknown-conn/oper

reset-unknown-conn attributes

reset-unknown-conn attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

unknown-conn-current-rate

Description

Type: number

unknown-conn-rate-limit

Description

Type: number

unknown-conn-rate-limit-drop

Description

Type: number

2.120.150 slb resource-usage

Configure SLB Resource Usage

resource-usage Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/slb/resource-usage
Element Attributes	resource-usage_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/resource-usage

resource-usage attributes

```
POST /axapi/v3/slb/resource-usage
Payload:
{
    "resource-usage": {
        "client-ssl-template-count": 32
    }
}
```

Get Object

GET

/axapi/v3/slb/resource-usage

resource-usage attributes

```
GET /axapi/v3/slb/resource-usage
Reponse:
{
    "resource-usage": {
        "client-ssl-template-count": 32,
        "conn-reuse-template-count": 128,
        "fast-tcp-template-count": 128,
        "fast-udp-template-count": 128,
        "http-template-count": 128,
        "fix-template-count": 128,
        "cache-template-count": 128,
        "nat-pool-addr-count": 10,
        "persist-cookie-template-count": 128,
        "persist-srcip-template-count": 128,
        "proxy-template-count": 128,
        "real-port-count": 256,
        "real-server-count": 128,
        "server-ssl-template-count": 128,
        "link-cost-template-count": 16,
        "pbslb-entry-count": 100000,
        "service-group-count": 128,
        "stream-template-count": 128,
        "virtual-port-count": 128,
        "virtual-server-count": 64,
        "log-template-count": 128,
        "health-monitor-count": 1023,
        "pbslb-subnet-count": 65536,
        "slb-threshold-res-usage-percent": 0,
        "uuid": "5172229c-b62b-11ef-9219-ae71681635d0",
        "a10-url": "/axapi/v3/slb/resource-usage"
    }
}
```

Modify Object

POST

/axapi/v3/slb/resource-usage

resource-usage attributes

Replace Object

PUT

/axapi/v3/slb/resource-usage

resource-usage attributes

```
PUT /axapi/v3/slb/resource-usage
Payload:
{
    "resource-usage": {
        "client-ssl-template-count": 32
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/resource-usage

resource-usage attributes

```
DELETE /axapi/v3/slb/resource-usage
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Changes will come into effect next time you reload the Software."
    }
}
```

resource-usage attributes

cache-template-count

Description Total configurable HTTP Cache Templates in the System

Type: number

client-ssl-template-count

Description Total configurable Client SSL Templates in the System

Type: number

conn-reuse-template-count

Description Total configurable Connection reuse Templates in the System

Type: number

fast-tcp-template-count

Description Total configurable Fast TCP Templates in the System

Type: number

fast-udp-template-count

Description Total configurable Fast UDP Templates in the System

Type: number

fix-template-count

Description Total configurable FIX Templates in the System

Type: number

gslb-device-count

Description Total GSLB devices in the System

Type: number

gslb-geo-location-count

Description Total GSLB geo-location in the System

Type: number

gslb-ip-list-count

Description Total GSLB ip-list in the System

Type: number

gslb-policy-count

Description Total GSLB policies in the System

Type: number

gslb-service-count

Description Total GSLB services in the System

Type: number

gslb-service-ip-count

Description Total GSLB service-ip in the System

Type: number

gslb-service-port-count

Description Total GSLB service-port in the System

Type: number

gslb-site-count

Description Total GSLB sites in the System

Type: number

gslb-svc-group-count

Description Total GSLB services in the System

Type: number

gslb-template-count

Description Total GSLB templates in the System

Type: number

gslb-zone-count

Description Total GSLB zones in the System

Type: number

health-monitor-count

Description Total Health Monitors in the System

Type: number

http-template-count

Description Total configurable HTTP Templates in the System

Type: number

link-cost-template-count

Description Total configurable Link-cost Templates in the System

Type: number

log-template-count

Description Total configurable SLB Logging Templates in the System

Type: number

nat-pool-addr-count

Description Total configurable NAT Pool addresses in the System (deprecated)

Type: number

pbslb-entry-count

Description Total configurable pbslb entry in the System

Type: number

pbslb-subnet-count

Description Total PBSLB Subnets in the System

Type: number

persist-cookie-template-count

Description Total configurable Persistent cookie Templates in the System

Type: number

persist-srcip-template-count

Description Total configurable Source IP Persistent Templates in the System

Type: number

proxy-template-count

Description Total configurable Proxy Templates in the System

Type: number

real-port-count

Description Total Real Server Ports in the System

Type: number

real-server-count

Description Total Real Servers in the System

Type: number

server-ssl-template-count

Description Total configurable Server SSL Templates in the System

Type: number

service-group-count

Description Total Service Groups in the System

Type: number

slb-threshold-res-usage-percent

Description Enter the threshold as a percentage (Threshold in percentage(default is 0%))

Type: number

Range: 0-99

Default: 0

stream-template-count

Description Total configurable Streaming media in the System

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-count

Description Total Virtual Server Ports in the System

Type: number

virtual-server-count

Description Total Virtual Servers in the System

Type: number

2.120.151 slb resource-usage oper

Operational Status for the object resource-usage

resource-usage Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/slb/resource-usage/oper
Element Attributes	resource-usage_attributes
Partition Visibility	None
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/resource-usage/oper

resource-usage attributes

Get Object

GET

/axapi/v3/slb/resource-usage/oper

resource-usage attributes

Modify Object

POST

/axapi/v3/slb/resource-usage/oper

resource-usage attributes

Replace Object

PUT

/axapi/v3/slb/resource-usage/oper

resource-usage attributes

Delete Object

DELETE

/axapi/v3/slb/resource-usage/oper

resource-usage attributes

resource-usage attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cache-template-default

Description

Type: number

cache-template-max

Description

Type: number

cache-template-min

Description

Type: number

client-ssl-template-default

Description

Type: number

client-ssl-template-max

Description

Type: number

client-ssl-template-min

Description

Type: number

conn-reuse-template-default

Description

Type: number

conn-reuse-template-max

Description

Type: number

conn-reuse-template-min

Description

Type: number

fast-tcp-template-default

Description

Type: number

fast-tcp-template-max

Description

Type: number

fast-tcp-template-min

Description

Type: number

fast-udp-template-default

Description

Type: number

fast-udp-template-max

Description

Type: number

fast-udp-template-min

Description

Type: number

fix-template-default

Description

Type: number

fix-template-max

Description

Type: number

fix-template-min

Description

Type: number

gslb-device-count-default

Description

Type: number

gslb-device-count-max

Description

Type: number

gslb-device-count-min

Description

Type: number

gslb-geo-location-count-default

Description

Type: number

gslb-geo-location-count-max

Description

Type: number

gslb-geo-location-count-min

Description

Type: number

gslb-ip-list-count-default

Description

Type: number

gslb-ip-list-count-max

Description

Type: number

gslb-ip-list-count-min

Description

Type: number

gslb-policy-count-default

Description

Type: number

gslb-policy-count-max

Description

Type: number

gslb-policy-count-min

Description

Type: number

gslb-service-count-default

Description

Type: number

gslb-service-count-max

Description

Type: number

gslb-service-count-min

Description

Type: number

gslb-service-ip-count-default

Description

Type: number

gslb-service-ip-count-max

Description

Type: number

gslb-service-ip-count-min

Description

Type: number

gslb-service-port-count-default

Description

Type: number

gslb-service-port-count-max

Description

Type: number

gslb-service-port-count-min

Description

Type: number

gslb-site-count-default

Description

Type: number

gslb-site-count-max

Description

Type: number

gslb-site-count-min

Description

Type: number

gslb-svcgroup-count-default

Description

Type: number

gslb-svcgroup-count-max

Description

Type: number

gslb-svcgroup-count-min

Description

Type: number

gslb-template-count-default

Description

Type: number

gslb-template-count-max

Description

Type: number

gslb-template-count-min

Description

Type: number

gslb-zone-count-default

Description

Type: number

gslb-zone-count-max

Description

Type: number

gslb-zone-count-min

Description

Type: number

health-monitor-count-default

Description

Type: number

health-monitor-count-max

Description

Type: number

health-monitor-count-min

Description

Type: number

http-template-default

Description

Type: number

http-template-max

Description

Type: number

http-template-min

Description

Type: number

link-cost-template-default

Description

Type: number

link-cost-template-max

Description

Type: number

link-cost-template-min

Description

Type: number

log-template-default

Description

Type: number

log-template-max

Description

Type: number

log-template-min

Description

Type: number

nat-pool-addr-default

Description

Type: number

nat-pool-addr-max

Description

Type: number

nat-pool-addr-min

Description

Type: number

pbslb-entry-default

Description

Type: number

pbslb-entry-max

Description

Type: number

pbslb-entry-min

Description

Type: number

pbslb-subnet-count-default

Description

Type: number

pbslb-subnet-count-max

Description

Type: number

pbslb-subnet-count-min

Description

Type: number

persist-cookie-template-default

Description

Type: number

persist-cookie-template-max

Description

Type: number

persist-cookie-template-min

Description

Type: number

persist-srcip-template-default

Description

Type: number

persist-srcip-template-max

Description

Type: number

persist-srcip-template-min

Description

Type: number

proxy-template-default

Description

Type: number

proxy-template-max

Description

Type: number

proxy-template-min

Description

Type: number

real-port-default

Description

Type: number

real-port-max

Description

Type: number

real-port-min

Description

Type: number

real-server-default

Description

Type: number

real-server-max

Description

Type: number

real-server-min

Description

Type: number

server-ssl-template-default

Description

Type: number

server-ssl-template-max

Description

Type: number

server-ssl-template-min

Description

Type: number

service-group-default

Description

Type: number

service-group-max

Description

Type: number

service-group-min

Description

Type: number

slb-threshold-res-usage-default

Description

Type: number

slb-threshold-res-usage-max

Description

Type: number

slb-threshold-res-usage-min

Description

Type: number

stream-template-default

Description

Type: number

stream-template-max

Description

Type: number

stream-template-min

Description

Type: number

virtual-port-default

Description

Type: number

virtual-port-max

Description

Type: number

virtual-port-min

Description

Type: number

virtual-server-default

Description

Type: number

virtual-server-max

Description

Type: number

virtual-server-min

Description

Type: number

2.120.152 slb rpz oper

Operational Status for the object rpz

rpz Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rpz
Element URI	/axapi/v3/slb/rpz/oper
Element Attributes	rpz_attributes
Partition Visibility	None
Schema	`rpz schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rpz/oper

rpz attributes

Get Object

GET

/axapi/v3/slb/rpz/oper

rpz attributes

Modify Object

POST

/axapi/v3/slb/rpz/oper

rpz attributes

Replace Object

PUT

/axapi/v3/slb/rpz/oper

rpz attributes

Delete Object

DELETE

/axapi/v3/slb/rpz/oper

rpz attributes

rpz attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ac-total-entries

Description

Type: number

class-list

Description

Type: string

dns-entries

Type: List

dns-total-entries

Description

Type: number

file-list

Type: List

file-or-string

Description

Type: string

Supported Values: file, config

filter_entry

Description

Type: string

geo-location-total-entries

Description

Type: number

ipv4-entries

Type: List

ipv4-total-single-ip

Description

Type: number

ipv4-total-subnet

Description

Type: number

ipv6-entries

Type: List

ipv6-total-single-ip

Description

Type: number

ipv6-total-subnet

Description

Type: number

rpz-count

Description

Type: number

rpz-file-size-max

Description

Type: number

string-total-entries

Description

Type: number

type

Description

Type: string

Supported Values: ac, dns, ipv4, ipv6, string, string-case-insensitive, [ipv4], [ipv6], [dns], [dns, ipv4], [dns, ipv6]

user-tag

Description

Type: string

oper_file-list

Specification	Value
Type	*list*
Block object keys	

dns_template_bound

Description

Type: string

file

Description

Type: string

oper_ipv4-entries

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description

Type: string

ipv4-age

Description

Type: number

ipv4-glid

Description

Type: number

ipv4-gtp-policy

Description

Type: string

ipv4-hit-count

Description

Type: number

ipv4-lid

Description

Type: number

ipv4-lsn-lid

Description

Type: number

ipv4-lsn-radius-profile

Description

Type: number

ipv4-rpz-type

Description

Type: number

oper_ipv6-entries

Specification	Value
Type	*list*
Block object keys	

ipv6-age

Description

Type: number

ipv6-glid

Description

Type: number

ipv6-gtp-policy

Description

Type: string

ipv6-hit-count

Description

Type: number

ipv6-lid

Description

Type: number

ipv6-lsn-lid

Description

Type: number

ipv6-lsn-radius-profile

Description

Type: number

ipv6-rpz-type

Description

Type: number

ipv6addr

Description

Type: string

oper_dns-entries

Specification	Value
Type	*list*
Block object keys	

dns-glid

Description

Type: number

dns-hit-count

Description

Type: number

dns-lid

Description

Type: number

dns-match-string

Description

Type: string

dns-match-type

Description

Type: string

Supported Values: contains, ends-with, starts-with

dns-rpz-type

Description

Type: number

2.120.153 slb rpz stats

Statistics for the object rpz

rpz Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rpz
Element URI	/axapi/v3/slb/rpz/stats
Element Attributes	rpz_attributes
Partition Visibility	None
Schema	`rpz schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/rpz/stats

rpz attributes

Get Object

GET

/axapi/v3/slb/rpz/stats

rpz attributes

Modify Object

POST

/axapi/v3/slb/rpz/stats

rpz attributes

Delete Object

DELETE

/axapi/v3/slb/rpz/stats

rpz attributes

rpz attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

parse_error

Description Total RPZ Parse Error

Type: number

Format: counter

set_bw_error

Description Total RPZ Set Class-list Error

Type: number

Format: counter

2.120.154 slb secure-gaming

SLB Secure Gaming info

secure-gaming Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	secure-gaming
Element URI	/axapi/v3/slb/secure-gaming
Element Attributes	secure-gaming_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/secure-gaming/stats
Schema	`secure-gaming schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/secure-gaming

secure-gaming attributes

```
POST /axapi/v3/slb/secure-gaming
Payload:
{
    "secure-gaming": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/secure-gaming

secure-gaming attributes

```
GET /axapi/v3/slb/secure-gaming
Reponse:
{
    "secure-gaming": {
        "uuid": "51724bbe-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/secure-gaming"
    }
}
```

Modify Object

POST

/axapi/v3/slb/secure-gaming

secure-gaming attributes

Replace Object

PUT

/axapi/v3/slb/secure-gaming

secure-gaming attributes

```
PUT /axapi/v3/slb/secure-gaming
Payload:
{
    "secure-gaming": {
        "sampling-enable": [
            {
                "counters1": "secure_gaming_pass"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/secure-gaming

secure-gaming attributes

```
DELETE /axapi/v3/slb/secure-gaming
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

secure-gaming attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'secure_gaming_pass': Secure Gaming passed; 'secure_gaming_drop': Secure Gaming dropped;

Type: string

Supported Values: all, secure_gaming_pass, secure_gaming_drop

2.120.155 slb secure-gaming stats

Statistics for the object secure-gaming

secure-gaming Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	secure-gaming
Element URI	/axapi/v3/slb/secure-gaming/stats
Element Attributes	secure-gaming_attributes
Partition Visibility	None
Schema	`secure-gaming schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/secure-gaming/stats

secure-gaming attributes

Get Object

GET

/axapi/v3/slb/secure-gaming/stats

secure-gaming attributes

Modify Object

POST

/axapi/v3/slb/secure-gaming/stats

secure-gaming attributes

Replace Object

PUT

/axapi/v3/slb/secure-gaming/stats

secure-gaming attributes

Delete Object

DELETE

/axapi/v3/slb/secure-gaming/stats

secure-gaming attributes

secure-gaming attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

secure_gaming_drop

Description Secure Gaming dropped

Type: number

Format: counter

secure_gaming_pass

Description Secure Gaming passed

Type: number

Format: counter

2.120.156 slb server

Server

server Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-list*
Collection URI	/axapi/v3/slb/server
Element Name	server
Element URI	/axapi/v3/slb/server/{name}
Element Attributes	server_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/server/{name}/stats
Operational Data URI	/axapi/v3/slb/server/{name}/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server

server attributes

```
POST /axapi/v3/slb/server/
Payload:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1"
    }
}
```

Create List

POST

/axapi/v3/slb/server

server attributes

Get Object

GET

/axapi/v3/slb/server/{name}

server attributes

```
GET /axapi/v3/slb/server/a
Reponse:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1",
        "use-aam-server": 0,
        "action": "enable",
        "template-server": "default",
        "conn-limit": 64000000,
        "no-logging": 0,
        "weight": 1,
        "slow-start": 0,
        "spoofing-cache": 0,
        "stats-data-action": "stats-data-enable",
        "extended-stats": 0,
        "uuid": "88aaf41c-b637-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/server/a"
    }
}
```

Get List

GET

/axapi/v3/slb/server

server-list

Modify Object

POST

/axapi/v3/slb/server/{name}

server attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}

server attributes

```
PUT /axapi/v3/slb/server/a
Payload:
{
    "server": {
        "name": "a",
        "server-ipv6-addr": "2003::1"
    }
}
```

Replace List

PUT

/axapi/v3/slb/server

server-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}

server attributes

```
DELETE /axapi/v3/slb/server/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

...

]

server attributes

action

Description 'enable': Enable this Real Server; 'disable': Disable this Real Server; 'disable-with-health-check': disable real server, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-server

Type: List

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume (Connection Resume (min active conn before resume taking new conn))

Type: number

Range: 1-1000000

ethernet

Description ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

external-ip

Description External IP address for NAT of GSLB

Type: string

Format: ipv4-address

fqdn-name

Description Server hostname

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fqdn-name, server-ipv6-addr, and host are mutually exclusive

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check, shared-partition-health-check, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable,health-check, shared-partition-health-check, and health-check-shared are mutually exclusive

health-check-shared

Description Health Check Monitor (Health monitor name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check-shared and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

host

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: host, server-ipv6-addr, and fqdn-name are mutually exclusive

ipv6

Description IPv6 address Mapping of GSLB

Type: string

Format: ipv6-address

l2-health-check-path

Description L2 health check path

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/system/path*

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}/port/{port-number}+{protocol}*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: server-ipv6-addr, host, and fqdn-name are mutually exclusive

service-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}*

shared-partition-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-health-check, health-check, and health-check-disable are mutually exclusive

shared-partition-server-template

Description Reference a server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-template and template-server are mutually exclusive

slow-start

Description Slowly ramp up the connection number after server is up (start from 128, then double every 10 sec till 4096)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description This server is a spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

template-link-cost

Description Link-Cost template (Link-Cost template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/link-cost*

template-server

Description Server template (Server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-server and shared-partition-server-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/server*

template-server-shared

Description Server Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server*

trunk

Description trunk interface

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

use-aam-server

Description Using aam server. For health check, please configure it in aam server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for this Real Server (Connection Weight)

Type: number

Range: 1-1000

Default: 1

port-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-port

Type: List

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *port-list_auth-cfg*

Type: Object

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume

Type: number

Range: 1-1000000

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check,shared-rport-health-check, health-check-follow-port, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable,health-check, shared-rport-health-check, rport-health-check-shared, and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port, health-check, and health-check-disable are mutually exclusive

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

only

Description Force using HTTP/2 with Prior Knowledge all the time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

range

Description Port range (Port range value - used for vip-to-rport-mapping and vport-rport range mapping)

Type: number

Range: 0-254

Default: 0

rport-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: rport-health-check-shared and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

sampling-enable

Type: List

shared-partition-port-template

Description Reference a port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-port-template and template-port are mutually exclusive

shared-rport-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-rport-health-check, health-check, and health-check-disable are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

support-http2

Description Starting HTTP/2 with Prior Knowledge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-port and shared-partition-port-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/port*

template-port-shared

Description Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/port*

template-server-ssl

Description Server side SSL template (Server side SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Port Weight (Connection Weight)

Type: number

Range: 1-1000

Default: 1

port-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy requests; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'resp-count': Total Response Count; 'resp-1xx': Response status 1xx; 'resp-2xx': Response status 2xx; 'resp-3xx': Response status 3xx; 'resp-4xx': Response status 4xx; 'resp-5xx': Response status 5xx; 'resp-other': Response status Other; 'resp-latency': Time to First Response Byte; 'curr_pconn': Current persistent connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

port-list_alternate-port

Specification	Value
Type	*list*
Block object keys	

alternate

Description Alternate Server Number

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

alternate-server-port

Description Port (Alternate Server Port Value)

Type: number

Range: 1-65535

port-list_auth-cfg

Specification	Value
Type	*object*

service-principal-name

Description Service Principal Name (Kerberos principal name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

alternate-server

Specification	Value
Type	*list*
Block object keys	

alternate

Description Alternate Server (Alternate Server Number)

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-conn': Total established connections; 'fwd-pkt': Forward Packets Processed; 'rev-pkt': Reverse Packets Processed; 'peak-conn': Peak number of established connections; 'total_req': Total Requests processed; 'total_req_succ': Total Requests succeeded; 'curr_ssl_conn': Current SSL connections established; 'total_ssl_conn': Total SSL connections established; 'total_fwd_bytes': Bytes processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_pkts': Packets processed in reverse direction; 'ip_only_lb_fwd_bytes': IP-Only-LB Bytes processed in forward direction; 'ip_only_lb_rev_bytes': IP-Only-LB Bytes processed in reverse direction; 'ip_only_lb_fwd_pkts': IP-Only-LB Packets processed in forward direction; 'ip_only_lb_rev_pkts': IP-Only-LB Packets processed in reverse direction;

Type: string

Supported Values: all, total-conn, fwd-pkt, rev-pkt, peak-conn, total_req, total_req_succ, curr_ssl_conn, total_ssl_conn, total_fwd_bytes, total_rev_bytes, total_fwd_pkts, total_rev_pkts, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts

service-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-service-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy requests; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with

good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'resp-count': Total Response Count; 'resp-1xx': Response status 1xx; 'resp-2xx': Response status 2xx; 'resp-3xx': Response status 3xx; 'resp-4xx': Response status 4xx; 'resp-5xx': Response status 5xx; 'resp-other': Response status Other; 'resp-latency': Time to First Response Byte; 'curr_pconn': Current persistent connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

2.120.157 slb server-group

server-group

server-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-group-list*
Collection URI	/axapi/v3/slb/server-group
Element Name	server-group
Element URI	/axapi/v3/slb/server-group/{name}
Element Attributes	server-group_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/server-group/{name}/stats
Schema	`server-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server-group

server-group attributes

```
POST /axapi/v3/slb/server-group/
Payload:
{
    "server-group": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/server-group

server-group attributes

Get Object

GET

/axapi/v3/slb/server-group/{name}

server-group attributes

```
GET /axapi/v3/slb/server-group/a
Reponse:
{
    "server-group": {
        "name": "a",
        "uuid": "4dff440c-b638-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/server-group/a"
    }
}
```

Get List

GET

/axapi/v3/slb/server-group

server-group-list

Modify Object

POST

/axapi/v3/slb/server-group/{name}

server-group attributes

Replace Object

PUT

/axapi/v3/slb/server-group/{name}

server-group attributes

```
PUT /axapi/v3/slb/server-group/a
Payload:
{
    "server-group": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/server-group

server-group-list

Delete Object

DELETE

/axapi/v3/slb/server-group/{name}

server-group attributes

```
DELETE /axapi/v3/slb/server-group/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

server-group-list

server-group-list is **JSON List** of *server-group attributes*

server-group-list : [

{ *server-group attributes* },

{ *server-group attributes* },

...

]

server-group attributes

member-list

Type: List

Reference Object: */axapi/v3/slb/server-group/{name}/member/{name}*

name

Description server-group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list

Specification	Value
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all;

Type: string

Supported Values: all

2.120.158 slb server-group member

Server Group Member

member Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*member-list*
Collection URI	/axapi/v3/slb/server-group/{name}/member
Element Name	member
Element URI	/axapi/v3/slb/server-group/{name}/member/{name}
Element Attributes	member_attributes
Partition Visibility	shared
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server-group/{name}/member

member attributes

Create List

POST

/axapi/v3/slb/server-group/{name}/member

member attributes

Get Object

GET

/axapi/v3/slb/server-group/{name}/member/{name}

member attributes

Get List

GET

/axapi/v3/slb/server-group/{name}/member

member-list

Modify Object

POST

/axapi/v3/slb/server-group/{name}/member/{name}

member attributes

Replace Object

PUT

/axapi/v3/slb/server-group/{name}/member/{name}

member attributes

Replace List

PUT

/axapi/v3/slb/server-group/{name}/member

member-list

Delete Object

DELETE

/axapi/v3/slb/server-group/{name}/member/{name}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

name

Description Member name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.159 slb server-group stats

Statistics for the object server-group

server-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*server-group-list*
Collection URI	/axapi/v3/slb/server-group/{name}
Element Name	server-group
Element URI	/axapi/v3/slb/server-group/{name}/stats
Element Attributes	server-group_attributes
Partition Visibility	None
Schema	`server-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server-group/{name}

server-group attributes

Create List

POST

/axapi/v3/slb/server-group/{name}

server-group attributes

Get Object

GET

/axapi/v3/slb/server-group/{name}/stats

server-group attributes

Get List

GET

/axapi/v3/slb/server-group/{name}

server-group-list

Modify Object

POST

/axapi/v3/slb/server-group/{name}/stats

server-group attributes

Replace Object

PUT

/axapi/v3/slb/server-group/{name}/stats

server-group attributes

Replace List

PUT

/axapi/v3/slb/server-group/{name}

server-group-list

Delete Object

DELETE

/axapi/v3/slb/server-group/{name}/stats

server-group attributes

server-group-list

server-group-list is **JSON List** of *server-group attributes*

server-group-list : [

{ *server-group attributes* },

{ *server-group attributes* },

...

]

server-group attributes

name

Description server-group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

dummy-conn

Description Current established connections

Type: number

Format: counter

2.120.160 slb server oper

Operational Status for the object server

server Specification

Parameter	Value
Type	*Collection*
Collection Name	*server-list*
Collection URI	/axapi/v3/slb/server/{name}
Element Name	server
Element URI	/axapi/v3/slb/server/{name}/oper
Element Attributes	server_attributes
Partition Visibility	None
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}

server attributes

Create List

POST

/axapi/v3/slb/server/{name}

server attributes

Get Object

GET

/axapi/v3/slb/server/{name}/oper

server attributes

Get List

GET

/axapi/v3/slb/server/{name}

server-list

Modify Object

POST

/axapi/v3/slb/server/{name}/oper

server attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/oper

server attributes

Replace List

PUT

/axapi/v3/slb/server/{name}

server-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/oper

server attributes

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

…

]

server attributes

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}/port/{port-number}+{protocol}*

service-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/service/{port-number}+{protocol}+{label}*

oper

Specification	Value
Type	*object*

conn_rate_unit

Description

Type: string

creation_type

Description

Type: string

curr_conn_rate

Description

Type: number

curr_observe_rate

Description

Type: number

disable

Description

Type: number

dns_update_time

Description

Type: string

drs-list

Type: List

is_autocreate

Description

Type: number

server_ttl

Description

Type: number

slow_start_conn_limit

Description

Type: number

srv_gateway_arp

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

state

Description

Type: string

Supported Values: Up, Down, Disabled, Maintenance, Unknown, Functional Up, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-UNKNOWN

weight

Description

Type: number

oper_drs-list

Specification	Value
Type	*list*
Block object keys	

drs-conn_rate_unit

Description

Type: string

drs-creation_type

Description

Type: string

drs-curr-conn

Description

Type: number

drs-curr-req

Description

Type: number

drs-curr_conn_rate

Description

Type: number

drs-curr_observe_rate

Description

Type: number

drs-disable

Description

Type: number

drs-dns_update_time

Description

Type: string

drs-host

Description

Type: string

Format: ipv4-address

drs-is_autocreate

Description

Type: number

drs-name

Description

Type: string

drs-peak-conn

Description

Type: number

drs-server-ipv6-addr

Description

Type: string

Format: ipv6-address

drs-server_ttl

Description

Type: number

drs-slow_start_conn_limit

Description

Type: number

drs-srv_gateway_arp

Description

Type: string

Format: mac-address

Maximum Length: 17 characters

Maximum Length: 11 characters

drs-state

Description

Type: string

Supported Values: Up, Down, Disabled, Maintenance, Unknown, Functional Up, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-UNKNOWN

drs-tot-conn

Description

Type: number

drs-tot-fwd-bytes

Description

Type: number

drs-tot-fwd-pkts

Description

Type: number

drs-tot-req

Description

Type: number

drs-tot-req-suc

Description

Type: number

drs-tot-rev-bytes

Description

Type: number

drs-tot-rev-pkts

Description

Type: number

drs-weight

Description

Type: number

port-list

Specification	Value
Type	*list*
Block object keys	

oper

Description: oper is a **JSON Block**. Please see below for *port-list_oper*

Type: Object

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

port-list_oper

Specification	Value
Type	*object*

aflow_conn_limit

Description

Type: number

aflow_queue_size

Description

Type: number

auto-nat-addr-list

Type: List

conn_rate_unit

Description

Type: string

curr_conn_rate

Description

Type: number

curr_observe_rate

Description

Type: number

current_time

Description

Type: number

diameter_enabled

Description

Type: number

disable

Description

Type: number

down_grace_period_allowed

Description

Type: number

down_time_grace_period

Description

Type: number

drs-auto-nat-list

Type: List

drs-ip-nat-list

Type: List

es_resp_time

Description

Type: number

hm-index

Description

Type: number

hm-key

Description

Type: number

inband_hm_reassign_num

Description

Type: number

nat-pool-addr-list

Type: List

pool_name

Description

Type: string

Format: string-rlx

resv_conn

Description

Type: number

slow_start_conn_limit

Description

Type: number

soft_down_time

Description

Type: number

state

Description

Type: string

Supported Values: Up, Down, Disabled, Maintenance, Unknown, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-DAMP

port-list_oper_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

nat_ip

Description

Type: string

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

port-list_oper_drs-ip-nat-list

Specification	Value
Type	*list*
Block object keys	

drs_name

Description

Type: string

drs_port

Description

Type: number

nat-pool-addr-list

Type: List

pool_name

Description

Type: string

Format: string-rlx

port-list_oper_drs-ip-nat-list_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

nat_ip

Description

Type: string

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

port-list_oper_drs-auto-nat-list

Specification	Value
Type	*list*
Block object keys	

drs-auto-nat-address-list

Type: List

drs_name

Description

Type: string

drs_port

Description

Type: number

port-list_oper_drs-auto-nat-list_drs-auto-nat-address-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

auto_nat_ip

Description

Type: string

ha_group_id

Description

Type: number

ip_rr

Description

Type: number

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

vrid

Description

Type: number

port-list_oper_auto-nat-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

auto_nat_ip

Description

Type: string

ha_group_id

Description

Type: number

ip_rr

Description

Type: number

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

vrid

Description

Type: number

service-list

Specification	Value
Type	*list*
Block object keys	

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *service-list_oper*

Type: Object

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

service-list_oper

Specification	Value
Type	*object*

aflow_conn_limit

Description

Type: number

aflow_queue_size

Description

Type: number

auto-nat-addr-list

Type: List

conn_rate_unit

Description

Type: string

curr_conn_rate

Description

Type: number

curr_observe_rate

Description

Type: number

current_time

Description

Type: number

diameter_enabled

Description

Type: number

disable

Description

Type: number

down_grace_period_allowed

Description

Type: number

down_time_grace_period

Description

Type: number

drs-auto-nat-list

Type: List

drs-ip-nat-list

Type: List

es_resp_time

Description

Type: number

hm-index

Description

Type: number

hm-key

Description

Type: number

inband_hm_reassign_num

Description

Type: number

nat-pool-addr-list

Type: List

pool_name

Description

Type: string

Format: string-rlx

resv_conn

Description

Type: number

slow_start_conn_limit

Description

Type: number

soft_down_time

Description

Type: number

state

Description

Type: string

Supported Values: Up, Down, Disabled, Maintenance, Unknown, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-DAMP

service-list_oper_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

nat_ip

Description

Type: string

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

service-list_oper_drs-ip-nat-list

Specification	Value
Type	*list*
Block object keys	

drs_name

Description

Type: string

drs_port

Description

Type: number

nat-pool-addr-list

Type: List

pool_name

Description

Type: string

Format: string-rlx

service-list_oper_drs-ip-nat-list_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

nat_ip

Description

Type: string

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

service-list_oper_drs-auto-nat-list

Specification	Value
Type	*list*
Block object keys	

drs-auto-nat-address-list

Type: List

drs_name

Description

Type: string

drs_port

Description

Type: number

service-list_oper_drs-auto-nat-list_drs-auto-nat-address-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

auto_nat_ip

Description

Type: string

ha_group_id

Description

Type: number

ip_rr

Description

Type: number

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

vrid

Description

Type: number

service-list_oper_auto-nat-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

auto_nat_ip

Description

Type: string

ha_group_id

Description

Type: number

ip_rr

Description

Type: number

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

vrid

Description

Type: number

2.120.161 slb server port

Real Server Port

port Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/server/{name}/port
Element Name	port
Element URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/stats
Operational Data URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}/port

port attributes

Create List

POST

/axapi/v3/slb/server/{name}/port

port attributes

Get Object

GET

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/slb/server/{name}/port

port-list

Modify Object

POST

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/slb/server/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

…

]

port attributes

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

alternate-port

Type: List

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *auth-cfg*

Type: Object

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

conn-resume

Description Connection Resume

Type: number

Range: 1-1000000

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

follow-port-protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check,shared-rport-health-check, health-check-follow-port, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable,health-check, shared-rport-health-check, rport-health-check-shared, and health-check-follow-port are mutually exclusive

health-check-follow-port

Description Specify which port to follow for health status (Port Number)

Type: number

Range: 1-65534

Mutual Exclusion: health-check-follow-port, health-check, and health-check-disable are mutually exclusive

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

only

Description Force using HTTP/2 with Prior Knowledge all the time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-port-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

range

Description Port range (Port range value - used for vip-to-rport-mapping and vport-rport range mapping)

Type: number

Range: 0-254

Default: 0

rport-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: rport-health-check-shared and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

sampling-enable

Type: List

shared-partition-port-template

Description Reference a port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-port-template and template-port are mutually exclusive

shared-rport-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-rport-health-check, health-check, and health-check-disable are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

support-http2

Description Starting HTTP/2 with Prior Knowledge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-port and shared-partition-port-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/port*

template-port-shared

Description Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/port*

template-server-ssl

Description Server side SSL template (Server side SSL Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Port Weight (Connection Weight)

Type: number

Range: 1-1000

Default: 1

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy requests; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'resp-count': Total Response Count; 'resp-1xx': Response status 1xx; 'resp-2xx': Response status 2xx; 'resp-3xx': Response status 3xx; 'resp-4xx': Response status 4xx; 'resp-5xx': Response status 5xx; 'resp-other': Response status Other; 'resp-latency': Time to First Response Byte; 'curr_pconn': Current persistent connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

alternate-port

Specification	Value
Type	*list*
Block object keys	

alternate

Description Alternate Server Number

Type: number

Range: 1-16

alternate-name

Description Alternate Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

alternate-server-port

Description Port (Alternate Server Port Value)

Type: number

Range: 1-65535

auth-cfg

Specification	Value
Type	*object*

service-principal-name

Description Service Principal Name (Kerberos principal name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

2.120.162 slb server port oper

Operational Status for the object port

port Specification

Parameter	Value
Type	*Collection*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}
Element Name	port
Element URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/oper
Element Attributes	port_attributes
Partition Visibility	None
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Create List

POST

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Get Object

GET

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/oper

port attributes

Get List

GET

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port-list

Modify Object

POST

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/oper

port attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/oper

port attributes

Replace List

PUT

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/oper

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

oper

Specification	Value
Type	*object*

aflow_conn_limit

Description

Type: number

aflow_queue_size

Description

Type: number

auto-nat-addr-list

Type: List

conn_rate_unit

Description

Type: string

curr_conn_rate

Description

Type: number

curr_observe_rate

Description

Type: number

current_time

Description

Type: number

diameter_enabled

Description

Type: number

disable

Description

Type: number

down_grace_period_allowed

Description

Type: number

down_time_grace_period

Description

Type: number

drs-auto-nat-list

Type: List

drs-ip-nat-list

Type: List

es_resp_time

Description

Type: number

hm-index

Description

Type: number

hm-key

Description

Type: number

inband_hm_reassign_num

Description

Type: number

nat-pool-addr-list

Type: List

pool_name

Description

Type: string

Format: string-rlx

resv_conn

Description

Type: number

slow_start_conn_limit

Description

Type: number

soft_down_time

Description

Type: number

state

Description

Type: string

Supported Values: Up, Down, Disabled, Maintenance, Unknown, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-DAMP

oper_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

nat_ip

Description

Type: string

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

oper_drs-ip-nat-list

Specification	Value
Type	*list*
Block object keys	

drs_name

Description

Type: string

drs_port

Description

Type: number

nat-pool-addr-list

Type: List

pool_name

Description

Type: string

Format: string-rlx

oper_drs-ip-nat-list_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

nat_ip

Description

Type: string

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

oper_drs-auto-nat-list

Specification	Value
Type	*list*
Block object keys	

drs-auto-nat-address-list

Type: List

drs_name

Description

Type: string

drs_port

Description

Type: number

oper_drs-auto-nat-list_drs-auto-nat-address-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

auto_nat_ip

Description

Type: string

ha_group_id

Description

Type: number

ip_rr

Description

Type: number

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

vrid

Description

Type: number

oper_auto-nat-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

auto_nat_ip

Description

Type: string

ha_group_id

Description

Type: number

ip_rr

Description

Type: number

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

vrid

Description

Type: number

2.120.163 slb server port stats

Statistics for the object port

port Specification

Parameter	Value
Type	*Collection*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}
Element Name	port
Element URI	/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/stats
Element Attributes	port_attributes
Partition Visibility	None
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Create List

POST

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port attributes

Get Object

GET

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/stats

port attributes

Get List

GET

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port-list

Modify Object

POST

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/stats

port attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/stats

port attributes

Replace List

PUT

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}

port-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/stats

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_pconn

Description Current persistent connections

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

es_req_count

Description Total proxy requests

Type: number

Format: counter

es_resp_200

Description Response status 200

Type: number

Format: counter

es_resp_300

Description Response status 300

Type: number

Format: counter

es_resp_400

Description Response status 400

Type: number

Format: counter

es_resp_500

Description Response status 500

Type: number

Format: counter

es_resp_count

Description Total proxy response

Type: number

Format: counter

es_resp_invalid_http

Description Total non-http response

Type: number

Format: counter

es_resp_other

Description Response status other

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

last_total_conn

Description Last total connections

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

resp-1xx

Description Response status 1xx

Type: number

Format: counter

resp-2xx

Description Response status 2xx

Type: number

Format: counter

resp-3xx

Description Response status 3xx

Type: number

Format: counter

resp-4xx

Description Response status 4xx

Type: number

Format: counter

resp-5xx

Description Response status 5xx

Type: number

Format: counter

resp-count

Description Total Response Count

Type: number

Format: counter

resp-latency

Description Time to First Response Byte

Type: number

Format: counter

resp-other

Description Response status Other

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Bytes processed in forward direction

Type: number

Format: counter

total_fwd_pkts

Description Packets processed in forward direction

Type: number

Format: counter

total_req

Description Total Requests

Type: number

Format: counter

total_req_succ

Description Total requests succ

Type: number

Format: counter

total_rev_bytes

Description Bytes processed in reverse direction

Type: number

Format: counter

total_rev_pkts

Description Packets processed in reverse direction

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_good_status_code

Description Total reverse packets with good status code inspected

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

2.120.164 slb server service

Real Server Service

service Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port-number, protocol, label*
Collection Name	*service-list*
Collection URI	/axapi/v3/slb/server/{name}/service
Element Name	service
Element URI	/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}
Element Attributes	service_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/stats
Operational Data URI	/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/oper
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}/service

service attributes

Create List

POST

/axapi/v3/slb/server/{name}/service

service attributes

Get Object

GET

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service attributes

Get List

GET

/axapi/v3/slb/server/{name}/service

service-list

Modify Object

POST

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service attributes

Replace List

PUT

/axapi/v3/slb/server/{name}/service

service-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service attributes

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

...

]

service attributes

action

Description 'enable': enable; 'disable': disable; 'disable-with-health-check': disable port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-service-tmpl*

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_req': Current requests; 'total_req': Total Requests; 'total_req_succ': Total requests succ; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total connections; 'last_total_conn': Last total connections; 'peak_conn': Peak connections; 'es_resp_200': Response status 200; 'es_resp_300': Response status 300; 'es_resp_400': Response status 400; 'es_resp_500': Response status 500; 'es_resp_other': Response status other; 'es_req_count': Total proxy requests; 'es_resp_count': Total proxy response; 'es_resp_invalid_http': Total non-http response; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_good_status_code': Total reverse packets with good status code inspected; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'resp-count': Total Response Count; 'resp-1xx': Response status 1xx; 'resp-2xx': Response status 2xx; 'resp-3xx': Response status 3xx; 'resp-4xx': Response status 4xx; 'resp-5xx': Response status 5xx; 'resp-other': Response status Other; 'resp-latency': Time to First Response Byte; 'curr_pconn': Current persistent connections;

Type: string

Supported Values: all, curr_req, total_req, total_req_succ, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, last_total_conn, peak_conn, es_resp_200, es_resp_300, es_resp_400, es_resp_500, es_resp_other, es_req_count, es_resp_count, es_resp_invalid_http, total_rev_pkts_inspected, total_rev_pkts_inspected_good_status_code, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, resp-count, resp-1xx, resp-2xx, resp-3xx, resp-4xx, resp-5xx, resp-other, resp-latency, curr_pconn

2.120.165 slb server service oper

Operational Status for the object service

service Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-list*
Collection URI	/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}
Element Name	service
Element URI	/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/oper
Element Attributes	service_attributes
Partition Visibility	None
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service attributes

Create List

POST

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service attributes

Get Object

GET

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/oper

service attributes

Get List

GET

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service-list

Modify Object

POST

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/oper

service attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/oper

service attributes

Replace List

PUT

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/oper

service attributes

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

…

]

service attributes

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

oper

Specification	Value
Type	*object*

aflow_conn_limit

Description

Type: number

aflow_queue_size

Description

Type: number

auto-nat-addr-list

Type: List

conn_rate_unit

Description

Type: string

curr_conn_rate

Description

Type: number

curr_observe_rate

Description

Type: number

current_time

Description

Type: number

diameter_enabled

Description

Type: number

disable

Description

Type: number

down_grace_period_allowed

Description

Type: number

down_time_grace_period

Description

Type: number

drs-auto-nat-list

Type: List

drs-ip-nat-list

Type: List

es_resp_time

Description

Type: number

hm-index

Description

Type: number

hm-key

Description

Type: number

inband_hm_reassign_num

Description

Type: number

nat-pool-addr-list

Type: List

pool_name

Description

Type: string

Format: string-rlx

resv_conn

Description

Type: number

slow_start_conn_limit

Description

Type: number

soft_down_time

Description

Type: number

state

Description

Type: string

Supported Values: Up, Down, Disabled, Maintenance, Unknown, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-EXCEED-RATE, DIS-DAMP

oper_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

nat_ip

Description

Type: string

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

oper_drs-ip-nat-list

Specification	Value
Type	*list*
Block object keys	

drs_name

Description

Type: string

drs_port

Description

Type: number

nat-pool-addr-list

Type: List

pool_name

Description

Type: string

Format: string-rlx

oper_drs-ip-nat-list_nat-pool-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

nat_ip

Description

Type: string

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

oper_drs-auto-nat-list

Specification	Value
Type	*list*
Block object keys	

drs-auto-nat-address-list

Type: List

drs_name

Description

Type: string

drs_port

Description

Type: number

oper_drs-auto-nat-list_drs-auto-nat-address-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

auto_nat_ip

Description

Type: string

ha_group_id

Description

Type: number

ip_rr

Description

Type: number

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

vrid

Description

Type: number

oper_auto-nat-addr-list

Specification	Value
Type	*list*
Block object keys	

alloc_failed

Description

Type: number

auto_nat_ip

Description

Type: string

ha_group_id

Description

Type: number

ip_rr

Description

Type: number

ports_consumed

Description

Type: number

ports_consumed_total

Description

Type: number

ports_freed_total

Description

Type: number

vrid

Description

Type: number

2.120.166 slb server service stats

Statistics for the object service

service Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-list*
Collection URI	/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}
Element Name	service
Element URI	/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/stats
Element Attributes	service_attributes
Partition Visibility	None
Schema	`service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service attributes

Create List

POST

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service attributes

Get Object

GET

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/stats

service attributes

Get List

GET

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service-list

Modify Object

POST

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/stats

service attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/stats

service attributes

Replace List

PUT

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}

service-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/service/{port-number}+{protocol}+{label}/stats

service attributes

service-list

service-list is **JSON List** of *service attributes*

service-list : [

{ *service attributes* },

{ *service attributes* },

...

]

service attributes

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_pconn

Description Current persistent connections

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

es_req_count

Description Total proxy requests

Type: number

Format: counter

es_resp_200

Description Response status 200

Type: number

Format: counter

es_resp_300

Description Response status 300

Type: number

Format: counter

es_resp_400

Description Response status 400

Type: number

Format: counter

es_resp_500

Description Response status 500

Type: number

Format: counter

es_resp_count

Description Total proxy response

Type: number

Format: counter

es_resp_invalid_http

Description Total non-http response

Type: number

Format: counter

es_resp_other

Description Response status other

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

last_total_conn

Description Last total connections

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

resp-1xx

Description Response status 1xx

Type: number

Format: counter

resp-2xx

Description Response status 2xx

Type: number

Format: counter

resp-3xx

Description Response status 3xx

Type: number

Format: counter

resp-4xx

Description Response status 4xx

Type: number

Format: counter

resp-5xx

Description Response status 5xx

Type: number

Format: counter

resp-count

Description Total Response Count

Type: number

Format: counter

resp-latency

Description Time to First Response Byte

Type: number

Format: counter

resp-other

Description Response status Other

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Bytes processed in forward direction

Type: number

Format: counter

total_fwd_pkts

Description Packets processed in forward direction

Type: number

Format: counter

total_req

Description Total Requests

Type: number

Format: counter

total_req_succ

Description Total requests succ

Type: number

Format: counter

total_rev_bytes

Description Bytes processed in reverse direction

Type: number

Format: counter

total_rev_pkts

Description Packets processed in reverse direction

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_good_status_code

Description Total reverse packets with good status code inspected

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

2.120.167 slb server-ssl-counters oper

Operational Status for the object server-ssl-counters

server-ssl-counters Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	server-ssl-counters
Element URI	/axapi/v3/slb/server-ssl-counters/oper
Element Attributes	server-ssl-counters_attributes
Partition Visibility	None
Schema	`server-ssl-counters schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server-ssl-counters/oper

server-ssl-counters attributes

Get Object

GET

/axapi/v3/slb/server-ssl-counters/oper

server-ssl-counters attributes

Modify Object

POST

/axapi/v3/slb/server-ssl-counters/oper

server-ssl-counters attributes

Replace Object

PUT

/axapi/v3/slb/server-ssl-counters/oper

server-ssl-counters attributes

Delete Object

DELETE

/axapi/v3/slb/server-ssl-counters/oper

server-ssl-counters attributes

server-ssl-counters attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cert-vfy

Description Sent certificate verify for authentication

Type: number

cumulative-sessions

Description Cumulative SSL sessions

Type: number

downgraded

Description TLS version downgraded

Type: number

hs-avg-time

Description Average handshake time in milliseconds

Type: number

hs-failures

Description Total handshake failures

Type: number

kex-dhe-1024-failures

Description Failed 1024-bit DHE key exchanges

Type: number

kex-dhe-1024-successes

Description Successful 1024-bit DHE key exchanges

Type: number

kex-dhe-2048-failures

Description Failed 2048-bit DHE key exchanges

Type: number

kex-dhe-2048-successes

Description Successful 2048-bit DHE key exchanges

Type: number

kex-dhe-512-failures

Description Failed 512-bit DHE key exchanges

Type: number

kex-dhe-512-successes

Description Successful 512-bit DHE key exchanges

Type: number

kex-ecdhe-secp256r1-failures

Description Failed secp256r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp256r1-successes

Description Successful secp256r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp384r1-failures

Description Failed secp384r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp384r1-successes

Description Successful secp384r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp521r1-failures

Description Failed secp521r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp521r1-successes

Description Successful secp521r1 ECDHE key exchanges

Type: number

kex-ecdhe-sm2-failures

Description Failed sm2p256v1 ECDHE key exchanges

Type: number

kex-ecdhe-sm2-successes

Description Successful sm2p256v1 ECDHE key exchanges

Type: number

kex-ecdhe-x25519-failures

Description Failed x25519 ECDHE key exchanges

Type: number

kex-ecdhe-x25519-successes

Description Successful x25519 ECDHE key exchanges

Type: number

kex-ecdhe-x448-failures

Description Failed x448 ECDHE key exchanges

Type: number

kex-ecdhe-x448-successes

Description Successful x448 ECDHE key exchanges

Type: number

kex-rsa-1024-failures

Description Failed 1024-bit RSA key exchanges

Type: number

kex-rsa-1024-successes

Description Successful 1024-bit RSA key exchanges

Type: number

kex-rsa-2048-failures

Description Failed 2048-bit RSA key exchanges

Type: number

kex-rsa-2048-successes

Description Successful 2048-bit RSA key exchanges

Type: number

kex-rsa-4096-failures

Description Failed 4096-bit RSA key exchanges

Type: number

kex-rsa-4096-successes

Description Successful 4096-bit RSA key exchanges

Type: number

kex-rsa-512-failures

Description Failed 512-bit RSA key exchanges

Type: number

kex-rsa-512-successes

Description Successful 512-bit RSA key exchanges

Type: number

port

Description Virtual Port

Type: number

renego-ssl2-failures

Description Failed SSL2 renegotiations

Type: number

renego-ssl2-successes

Description Successful SSL2 renegotiations

Type: number

renego-ssl3-failures

Description Failed SSL3 renegotiations

Type: number

renego-ssl3-successes

Description Successful SSL3 renegotiations

Type: number

renego-tls10-failures

Description Failed TLS1.0 renegotiations

Type: number

renego-tls10-successes

Description Successful TLS1.0 renegotiations

Type: number

renego-tls11-failures

Description Failed TLS1.1 renegotiations

Type: number

renego-tls11-successes

Description Successful TLS1.1 renegotiations

Type: number

renego-tls12-failures

Description Failed TLS1.2 renegotiations

Type: number

renego-tls12-successes

Description Successful TLS1.2 renegotiations

Type: number

renego-tls13-failures

Description Failed TLS1.3 renegotiations

Type: number

renego-tls13-successes

Description Successful TLS1.3 renegotiations

Type: number

renegotiation-total

Description Total renegotiations

Type: number

sess-cache-curr-conn

Description Session cache current connections

Type: number

sess-cache-hit

Description Session cache hits

Type: number

sess-cache-miss

Description Session cache misses

Type: number

sess-cache-new

Description Session cache new entries

Type: number

sess-cache-timeout

Description Session cache timeouts

Type: number

ssl2-failures

Description Failed SSL2 connections

Type: number

ssl2-successes

Description Successful SSL2 connections

Type: number

ssl3-failures

Description Failed SSL3 connections

Type: number

ssl3-rsa-des-192-cbc3-sha-failures

Description SSL3_RSA_DES_192_CBC3_SHA Failures

Type: number

ssl3-rsa-des-192-cbc3-sha-id

Description SSL3_RSA_DES_192_CBC3_SHA Cipher ID

Type: string

ssl3-rsa-des-192-cbc3-sha-successes

Description SSL3_RSA_DES_192_CBC3_SHA Successes

Type: number

ssl3-rsa-des-40-cbc-sha-failures

Description SSL3_RSA_DES_40_CBC_SHA Failures

Type: number

ssl3-rsa-des-40-cbc-sha-id

Description SSL3_RSA_DES_40_CBC_SHA Cipher ID

Type: string

ssl3-rsa-des-40-cbc-sha-successes

Description SSL3_RSA_DES_40_CBC_SHA Successes

Type: number

ssl3-rsa-des-64-cbc-sha-failures

Description SSL3_RSA_DES_64_CBC_SHA Failures

Type: number

ssl3-rsa-des-64-cbc-sha-id

Description SSL3_RSA_DES_64_CBC_SHA Cipher ID

Type: string

ssl3-rsa-des-64-cbc-sha-successes

Description SSL3_RSA_DES_64_CBC_SHA Successes

Type: number

ssl3-rsa-rc4-128-md5-failures

Description SSL3_RSA_RC4_128_MD5 Failures

Type: number

ssl3-rsa-rc4-128-md5-id

Description SSL3_RSA_RC4_128_MD5 Cipher ID

Type: string

ssl3-rsa-rc4-128-md5-successes

Description SSL3_RSA_RC4_128_MD5 Successes

Type: number

ssl3-rsa-rc4-128-sha-failures

Description SSL3_RSA_RC4_128_SHA Failures

Type: number

ssl3-rsa-rc4-128-sha-id

Description SSL3_RSA_RC4_128_SHA Cipher ID

Type: string

ssl3-rsa-rc4-128-sha-successes

Description SSL3_RSA_RC4_128_SHA Successes

Type: number

ssl3-rsa-rc4-40-md5-failures

Description SSL3_RSA_RC4_40_MD5 Failures

Type: number

ssl3-rsa-rc4-40-md5-id

Description SSL3_RSA_RC4_40_MD5 Cipher ID

Type: string

ssl3-rsa-rc4-40-md5-successes

Description SSL3_RSA_RC4_40_MD5 Successes

Type: number

ssl3-successes

Description Successful SSL3 connections

Type: number

tls1-dhe-rsa-aes-128-gcm-sha256-failures

Description TLS1_DHE_RSA_AES_128_GCM_SHA256 Failures

Type: number

tls1-dhe-rsa-aes-128-gcm-sha256-id

Description TLS1_DHE_RSA_AES_128_GCM_SHA256 Cipher ID

Type: string

tls1-dhe-rsa-aes-128-gcm-sha256-successes

Description TLS1_DHE_RSA_AES_128_GCM_SHA256 Successes

Type: number

tls1-dhe-rsa-aes-128-sha-failures

Description TLS1_DHE_RSA_AES_128_SHA Failures

Type: number

tls1-dhe-rsa-aes-128-sha-id

Description TLS1_DHE_RSA_AES_128_SHA Cipher ID

Type: string

tls1-dhe-rsa-aes-128-sha-successes

Description TLS1_DHE_RSA_AES_128_SHA Successes

Type: number

tls1-dhe-rsa-aes-128-sha256-failures

Description TLS1_DHE_RSA_AES_128_SHA256 Failures

Type: number

tls1-dhe-rsa-aes-128-sha256-id

Description TLS1_DHE_RSA_AES_128_SHA256 Cipher ID

Type: string

tls1-dhe-rsa-aes-128-sha256-successes

Description TLS1_DHE_RSA_AES_128_SHA256 Successes

Type: number

tls1-dhe-rsa-aes-256-gcm-sha384-failures

Description TLS1_DHE_RSA_AES_256_GCM_SHA384 Failures

Type: number

tls1-dhe-rsa-aes-256-gcm-sha384-id

Description TLS1_DHE_RSA_AES_256_GCM_SHA384 Cipher ID

Type: string

tls1-dhe-rsa-aes-256-gcm-sha384-successes

Description TLS1_DHE_RSA_AES_256_GCM_SHA384 Successes

Type: number

tls1-dhe-rsa-aes-256-sha-failures

Description TLS1_DHE_RSA_AES_256_SHA Failures

Type: number

tls1-dhe-rsa-aes-256-sha-id

Description TLS1_DHE_RSA_AES_256_SHA Cipher ID

Type: string

tls1-dhe-rsa-aes-256-sha-successes

Description TLS1_DHE_RSA_AES_256_SHA Successes

Type: number

tls1-dhe-rsa-aes-256-sha256-failures

Description TLS1_DHE_RSA_AES_256_SHA256 Failures

Type: number

tls1-dhe-rsa-aes-256-sha256-id

Description TLS1_DHE_RSA_AES_256_SHA256 Cipher ID

Type: string

tls1-dhe-rsa-aes-256-sha256-successes

Description TLS1_DHE_RSA_AES_256_SHA256 Successes

Type: number

tls1-dhe-rsa-chacha20-poly1305-sha256-failures

Description TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher failures

Type: number

tls1-dhe-rsa-chacha20-poly1305-sha256-id

Description TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher ID

Type: string

tls1-dhe-rsa-chacha20-poly1305-sha256-successes

Description TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher successes

Type: number

tls1-ecdhe-ecdsa-aes-128-gcm-sha256-failures

Description TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Failures

Type: number

tls1-ecdhe-ecdsa-aes-128-gcm-sha256-id

Description TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-128-gcm-sha256-successes

Description TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Successes

Type: number

tls1-ecdhe-ecdsa-aes-128-sha-failures

Description TLS1_ECDHE_ECDSA_AES_128_SHA Failures

Type: number

tls1-ecdhe-ecdsa-aes-128-sha-id

Description TLS1_ECDHE_ECDSA_AES_128_SHA Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-128-sha-successes

Description TLS1_ECDHE_ECDSA_AES_128_SHA Successes

Type: number

tls1-ecdhe-ecdsa-aes-128-sha256-failures

Description TLS1_ECDHE_ECDSA_AES_128_SHA256 Failures

Type: number

tls1-ecdhe-ecdsa-aes-128-sha256-id

Description TLS1_ECDHE_ECDSA_AES_128_SHA256 Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-128-sha256-successes

Description TLS1_ECDHE_ECDSA_AES_128_SHA256 Successes

Type: number

tls1-ecdhe-ecdsa-aes-256-gcm-sha384-failures

Description TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Failures

Type: number

tls1-ecdhe-ecdsa-aes-256-gcm-sha384-id

Description TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-256-gcm-sha384-successes

Description TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Successes

Type: number

tls1-ecdhe-ecdsa-aes-256-sha-failures

Description TLS1_ECDHE_ECDSA_AES_256_SHA Failures

Type: number

tls1-ecdhe-ecdsa-aes-256-sha-id

Description TLS1_ECDHE_ECDSA_AES_256_SHA Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-256-sha-successes

Description TLS1_ECDHE_ECDSA_AES_256_SHA Successes

Type: number

tls1-ecdhe-ecdsa-aes-256-sha384-failures

Description TLS1_ECDHE_ECDSA_AES_256_SHA384 Failures

Type: number

tls1-ecdhe-ecdsa-aes-256-sha384-id

Description TLS1_ECDHE_ECDSA_AES_256_SHA384 Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-256-sha384-successes

Description TLS1_ECDHE_ECDSA_AES_256_SHA384 Successes

Type: number

tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-failures

Description TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher failures

Type: number

tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-id

Description TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher ID

Type: string

tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-successes

Description TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher successes

Type: number

tls1-ecdhe-rsa-aes-128-gcm-sha256-failures

Description TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Failures

Type: number

tls1-ecdhe-rsa-aes-128-gcm-sha256-id

Description TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Cipher ID

Type: string

tls1-ecdhe-rsa-aes-128-gcm-sha256-successes

Description TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Successes

Type: number

tls1-ecdhe-rsa-aes-128-sha-failures

Description TLS1_ECDHE_RSA_AES_128_SHA Failures

Type: number

tls1-ecdhe-rsa-aes-128-sha-id

Description TLS1_ECDHE_RSA_AES_128_SHA Cipher ID

Type: string

tls1-ecdhe-rsa-aes-128-sha-successes

Description TLS1_ECDHE_RSA_AES_128_SHA Successes

Type: number

tls1-ecdhe-rsa-aes-128-sha256-failures

Description TLS1_ECDHE_RSA_AES_128_SHA256 Failures

Type: number

tls1-ecdhe-rsa-aes-128-sha256-id

Description TLS1_ECDHE_RSA_AES_128_SHA256 Cipher ID

Type: string

tls1-ecdhe-rsa-aes-128-sha256-successes

Description TLS1_ECDHE_RSA_AES_128_SHA256 Successes

Type: number

tls1-ecdhe-rsa-aes-256-gcm-sha384-failures

Description TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Failures

Type: number

tls1-ecdhe-rsa-aes-256-gcm-sha384-id

Description TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Cipher ID

Type: string

tls1-ecdhe-rsa-aes-256-gcm-sha384-successes

Description TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Successes

Type: number

tls1-ecdhe-rsa-aes-256-sha-failures

Description TLS1_ECDHE_RSA_AES_256_SHA Failures

Type: number

tls1-ecdhe-rsa-aes-256-sha-id

Description TLS1_ECDHE_RSA_AES_256_SHA Cipher ID

Type: string

tls1-ecdhe-rsa-aes-256-sha-successes

Description TLS1_ECDHE_RSA_AES_256_SHA Successes

Type: number

tls1-ecdhe-rsa-aes-256-sha384-failures

Description TLS1_ECDHE_RSA_AES_256_SHA384 Failures

Type: number

tls1-ecdhe-rsa-aes-256-sha384-id

Description TLS1_ECDHE_RSA_AES_256_SHA384 Cipher ID

Type: string

tls1-ecdhe-rsa-aes-256-sha384-successes

Description TLS1_ECDHE_RSA_AES_256_SHA384 Successes

Type: number

tls1-ecdhe-rsa-chacha20-poly1305-sha256-failures

Description TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher failures

Type: number

tls1-ecdhe-rsa-chacha20-poly1305-sha256-id

Description TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher ID

Type: string

tls1-ecdhe-rsa-chacha20-poly1305-sha256-successes

Description TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher successes

Type: number

tls1-ecdhe-sm2-sms4-gcm-sm3-failures

Description TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 cipher failures

Type: number

tls1-ecdhe-sm2-sms4-gcm-sm3-id

Description TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 Cipher ID

Type: string

tls1-ecdhe-sm2-sms4-gcm-sm3-successes

Description TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 cipher successes

Type: number

tls1-ecdhe-sm2-sms4-sha256-failures

Description TLS1_ECDHE_SM2_WITH_SMS4_SHA256 cipher failures

Type: number

tls1-ecdhe-sm2-sms4-sha256-id

Description TLS1_ECDHE_SM2_WITH_SMS4_SHA256 Cipher ID

Type: string

tls1-ecdhe-sm2-sms4-sha256-successes

Description TLS1_ECDHE_SM2_WITH_SMS4_SHA256 cipher successes

Type: number

tls1-ecdhe-sm2-sms4-sm3-failures

Description TLS1_ECDHE_SM2_WITH_SMS4_SM3 cipher failures

Type: number

tls1-ecdhe-sm2-sms4-sm3-id

Description TLS1_ECDHE_SM2_WITH_SMS4_SM3 Cipher ID

Type: string

tls1-ecdhe-sm2-sms4-sm3-successes

Description TLS1_ECDHE_SM2_WITH_SMS4_SM3 cipher successes

Type: number

tls1-rsa-aes-128-gcm-sha256-failures

Description TLS1_RSA_AES_128_GCM_SHA256 Failures

Type: number

tls1-rsa-aes-128-gcm-sha256-id

Description TLS1_RSA_AES_128_GCM_SHA256 Cipher ID

Type: string

tls1-rsa-aes-128-gcm-sha256-successes

Description TLS1_RSA_AES_128_GCM_SHA256 Successes

Type: number

tls1-rsa-aes-128-sha-failures

Description TLS1_RSA_AES_128_SHA Failures

Type: number

tls1-rsa-aes-128-sha-id

Description TLS1_RSA_AES_128_SHA Cipher ID

Type: string

tls1-rsa-aes-128-sha-successes

Description TLS1_RSA_AES_128_SHA Successes

Type: number

tls1-rsa-aes-128-sha256-failures

Description TLS1_RSA_AES_128_SHA256 Failures

Type: number

tls1-rsa-aes-128-sha256-id

Description TLS1_RSA_AES_128_SHA256 Cipher ID

Type: string

tls1-rsa-aes-128-sha256-successes

Description TLS1_RSA_AES_128_SHA256 Successes

Type: number

tls1-rsa-aes-256-gcm-sha384-failures

Description TLS1_RSA_AES_256_GCM_SHA384 Failures

Type: number

tls1-rsa-aes-256-gcm-sha384-id

Description TLS1_RSA_AES_256_GCM_SHA384 Cipher ID

Type: string

tls1-rsa-aes-256-gcm-sha384-successes

Description TLS1_RSA_AES_256_GCM_SHA384 Successes

Type: number

tls1-rsa-aes-256-sha-failures

Description TLS1_RSA_AES_256_SHA Failures

Type: number

tls1-rsa-aes-256-sha-id

Description TLS1_RSA_AES_256_SHA Cipher ID

Type: string

tls1-rsa-aes-256-sha-successes

Description TLS1_RSA_AES_256_SHA Successes

Type: number

tls1-rsa-aes-256-sha256-failures

Description TLS1_RSA_AES_256_SHA256 Failures

Type: number

tls1-rsa-aes-256-sha256-id

Description TLS1_RSA_AES_256_SHA256 Cipher ID

Type: string

tls1-rsa-aes-256-sha256-successes

Description TLS1_RSA_AES_256_SHA256 Successes

Type: number

tls1-rsa-export1024-rc4-56-md5-failures

Description TLS1_RSA_EXPORT1024_RC4_56_MD5 Failures

Type: number

tls1-rsa-export1024-rc4-56-md5-id

Description TLS1_RSA_EXPORT1024_RC4_56_MD5 Cipher ID

Type: string

tls1-rsa-export1024-rc4-56-md5-successes

Description TLS1_RSA_EXPORT1024_RC4_56_MD5 Successes

Type: number

tls1-rsa-export1024-rc4-56-sha-failures

Description TLS1_RSA_EXPORT1024_RC4_56_SHA Failures

Type: number

tls1-rsa-export1024-rc4-56-sha-id

Description TLS1_RSA_EXPORT1024_RC4_56_SHA Cipher ID

Type: string

tls1-rsa-export1024-rc4-56-sha-successes

Description TLS1_RSA_EXPORT1024_RC4_56_SHA Successes

Type: number

tls10-failures

Description Failed TLS1.0 connections

Type: number

tls10-successes

Description Successful TLS1.0 connections

Type: number

tls11-failures

Description Failed TLS1.1 connections

Type: number

tls11-successes

Description Successful TLS1.1 connections

Type: number

tls12-failures

Description Failed TLS1.2 connections

Type: number

tls12-successes

Description Successful TLS1.2 connections

Type: number

tls13-aes-128-gcm-sha256-failures

Description TLS13_AES_128_GCM_SHA256 cipher failures

Type: number

tls13-aes-128-gcm-sha256-id

Description TLS13_AES_128_GCM_SHA256 Cipher ID

Type: string

tls13-aes-128-gcm-sha256-successes

Description TLS13_AES_128_GCM_SHA256 cipher successes

Type: number

tls13-aes-256-gcm-sha384-failures

Description TLS13_AES_256_GCM_SHA384 cipher failures

Type: number

tls13-aes-256-gcm-sha384-id

Description TLS13_AES_256_GCM_SHA384 Cipher ID

Type: string

tls13-aes-256-gcm-sha384-successes

Description TLS13_AES_256_GCM_SHA384 cipher successes

Type: number

tls13-chacha20-poly1305-sha256-failures

Description TLS13_CHACHA20_POLY1305_SHA256 cipher failures

Type: number

tls13-chacha20-poly1305-sha256-id

Description TLS13_CHACHA20_POLY1305_SHA256 Cipher ID

Type: string

tls13-chacha20-poly1305-sha256-successes

Description TLS13_CHACHA20_POLY1305_SHA256 cipher successes

Type: number

tls13-failures

Description Failed TLS1.3 connections

Type: number

tls13-successes

Description Successful TLS1.3 connections

Type: number

vserver

Description virtual server name

Type: string

2.120.168 slb server stats

Statistics for the object server

server Specification

Parameter	Value
Type	*Collection*
Collection Name	*server-list*
Collection URI	/axapi/v3/slb/server/{name}
Element Name	server
Element URI	/axapi/v3/slb/server/{name}/stats
Element Attributes	server_attributes
Partition Visibility	None
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/server/{name}

server attributes

Create List

POST

/axapi/v3/slb/server/{name}

server attributes

Get Object

GET

/axapi/v3/slb/server/{name}/stats

server attributes

Get List

GET

/axapi/v3/slb/server/{name}

server-list

Modify Object

POST

/axapi/v3/slb/server/{name}/stats

server attributes

Replace Object

PUT

/axapi/v3/slb/server/{name}/stats

server attributes

Replace List

PUT

/axapi/v3/slb/server/{name}

server-list

Delete Object

DELETE

/axapi/v3/slb/server/{name}/stats

server attributes

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

…

]

server attributes

name

Description Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

port-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}/port/{port-number}+{protocol}*

service-list

Type: List

Reference Object: */axapi/v3/slb/server/{name}/port/{port-number}+{protocol}/service/{port-number}+{protocol}+{label}*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

port-list

Specification	Value
Type	*list*
Block object keys	

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *port-list_stats*

Type: Object

port-list_stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_pconn

Description Current persistent connections

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

es_req_count

Description Total proxy requests

Type: number

Format: counter

es_resp_200

Description Response status 200

Type: number

Format: counter

es_resp_300

Description Response status 300

Type: number

Format: counter

es_resp_400

Description Response status 400

Type: number

Format: counter

es_resp_500

Description Response status 500

Type: number

Format: counter

es_resp_count

Description Total proxy response

Type: number

Format: counter

es_resp_invalid_http

Description Total non-http response

Type: number

Format: counter

es_resp_other

Description Response status other

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

last_total_conn

Description Last total connections

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

resp-1xx

Description Response status 1xx

Type: number

Format: counter

resp-2xx

Description Response status 2xx

Type: number

Format: counter

resp-3xx

Description Response status 3xx

Type: number

Format: counter

resp-4xx

Description Response status 4xx

Type: number

Format: counter

resp-5xx

Description Response status 5xx

Type: number

Format: counter

resp-count

Description Total Response Count

Type: number

Format: counter

resp-latency

Description Time to First Response Byte

Type: number

Format: counter

resp-other

Description Response status Other

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Bytes processed in forward direction

Type: number

Format: counter

total_fwd_pkts

Description Packets processed in forward direction

Type: number

Format: counter

total_req

Description Total Requests

Type: number

Format: counter

total_req_succ

Description Total requests succ

Type: number

Format: counter

total_rev_bytes

Description Bytes processed in reverse direction

Type: number

Format: counter

total_rev_pkts

Description Packets processed in reverse direction

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_good_status_code

Description Total reverse packets with good status code inspected

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

stats

Specification	Value
Type	*object*

curr-conn

Description Current established connections

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections established

Type: number

Format: counter

fwd-pkt

Description Forward Packets Processed

Type: number

Format: counter

ip_only_lb_fwd_bytes

Description IP-Only-LB Bytes processed in forward direction

Type: number

Format: counter

ip_only_lb_fwd_pkts

Description IP-Only-LB Packets processed in forward direction

Type: number

Format: counter

ip_only_lb_rev_bytes

Description IP-Only-LB Bytes processed in reverse direction

Type: number

Format: counter

ip_only_lb_rev_pkts

Description IP-Only-LB Packets processed in reverse direction

Type: number

Format: counter

peak-conn

Description Peak number of established connections

Type: number

Format: counter

rev-pkt

Description Reverse Packets Processed

Type: number

Format: counter

total-conn

Description Total established connections

Type: number

Format: counter

total_fwd_bytes

Description Bytes processed in forward direction

Type: number

Format: counter

total_fwd_pkts

Description Packets processed in forward direction

Type: number

Format: counter

total_req

Description Total Requests processed

Type: number

Format: counter

total_req_succ

Description Total Requests succeeded

Type: number

Format: counter

total_rev_bytes

Description Bytes processed in reverse direction

Type: number

Format: counter

total_rev_pkts

Description Packets processed in reverse direction

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections established

Type: number

Format: counter

service-list

Specification	Value
Type	*list*
Block object keys	

label

Description Service Label

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-number

Description Port Number

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP Port; 'udp': UDP Port;

Type: string

Supported Values: tcp, udp

stats

Description: stats is a **JSON Block**. Please see below for *service-list_stats*

Type: Object

service-list_stats

Specification	Value
Type	*object*

curr_conn

Description Current connections

Type: number

Format: counter

curr_pconn

Description Current persistent connections

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

es_req_count

Description Total proxy requests

Type: number

Format: counter

es_resp_200

Description Response status 200

Type: number

Format: counter

es_resp_300

Description Response status 300

Type: number

Format: counter

es_resp_400

Description Response status 400

Type: number

Format: counter

es_resp_500

Description Response status 500

Type: number

Format: counter

es_resp_count

Description Total proxy response

Type: number

Format: counter

es_resp_invalid_http

Description Total non-http response

Type: number

Format: counter

es_resp_other

Description Response status other

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

last_total_conn

Description Last total connections

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

resp-1xx

Description Response status 1xx

Type: number

Format: counter

resp-2xx

Description Response status 2xx

Type: number

Format: counter

resp-3xx

Description Response status 3xx

Type: number

Format: counter

resp-4xx

Description Response status 4xx

Type: number

Format: counter

resp-5xx

Description Response status 5xx

Type: number

Format: counter

resp-count

Description Total Response Count

Type: number

Format: counter

resp-latency

Description Time to First Response Byte

Type: number

Format: counter

resp-other

Description Response status Other

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

total_conn

Description Total connections

Type: number

Format: counter

total_fwd_bytes

Description Bytes processed in forward direction

Type: number

Format: counter

total_fwd_pkts

Description Packets processed in forward direction

Type: number

Format: counter

total_req

Description Total Requests

Type: number

Format: counter

total_req_succ

Description Total requests succ

Type: number

Format: counter

total_rev_bytes

Description Bytes processed in reverse direction

Type: number

Format: counter

total_rev_pkts

Description Packets processed in reverse direction

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_good_status_code

Description Total reverse packets with good status code inspected

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

2.120.169 slb service-group

Service Group

service-group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/slb/service-group
Element Name	service-group
Element URI	/axapi/v3/slb/service-group/{name}
Element Attributes	service-group_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/service-group/{name}/stats
Operational Data URI	/axapi/v3/slb/service-group/{name}/oper
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/service-group

service-group attributes

```
POST /axapi/v3/slb/service-group/
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/service-group

service-group attributes

Get Object

GET

/axapi/v3/slb/service-group/{name}

service-group attributes

```
GET /axapi/v3/slb/service-group/a
Reponse:
{
    "service-group": {
        "name": "a",
        "protocol": "tcp",
        "lb-method": "round-robin",
        "stateless-auto-switch": 0,
        "reset-on-server-selection-fail": 0,
        "priority-affinity": 0,
        "backup-server-event-log": 0,
        "strict-select": 0,
        "stats-data-action": "stats-data-enable",
        "extended-stats": 0,
        "traffic-replication-mirror": 0,
        "sample-rsp-time": 0,
        "persist-scoring": "global",
        "uuid": "0a41aef2-b639-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/service-group/a"
    }
}
```

Get List

GET

/axapi/v3/slb/service-group

service-group-list

Modify Object

POST

/axapi/v3/slb/service-group/{name}

service-group attributes

Replace Object

PUT

/axapi/v3/slb/service-group/{name}

service-group attributes

```
PUT /axapi/v3/slb/service-group/a
Payload:
{
    "service-group": {
        "protocol": "tcp",
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/service-group

service-group-list

Delete Object

DELETE

/axapi/v3/slb/service-group/{name}

service-group attributes

```
DELETE /axapi/v3/slb/service-group/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

backup-server-event-log

Description Send log info on back up server events

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate

Description Dynamically enable stateless method by conn-rate (Rate to trigger stateless method(conn/sec))

Type: number

Range: 1-16000000

Mutual Exclusion: conn-rate and l4-session-usage are mutually exclusive

conn-rate-duration

Description Period that trigger condition consistently happens(seconds)

Type: number

Range: 1-600

conn-rate-grace-period

Description Define the grace period during transition (Define the grace period during transition(seconds))

Type: number

Range: 1-600

conn-rate-log

Description Send log if transition happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-revert-duration

Description Period that revert condition consistently happens(seconds)

Type: number

Range: 1-600

conn-revert-rate

Description Rate to revert to statelful method (conn/sec)

Type: number

Range: 1-16000000

extended-stats

Description Enable extended statistics on service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check, shared-partition-svcgrp-health-check, and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable health check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable,health-check, shared-partition-svcgrp-health-check, and svcgrp-health-check-shared are mutually exclusive

l4-session-revert-duration

Description Period that revert condition consistently happens(seconds)

Type: number

Range: 1-600

l4-session-usage

Description Dynamically enable stateless method by session usage (Usage to trigger stateless method)

Type: number

Range: 1-100

Mutual Exclusion: l4-session-usage and conn-rate are mutually exclusive

l4-session-usage-duration

Description Period that trigger condition consistently happens(seconds)

Type: number

Range: 1-600

l4-session-usage-grace-period

Description Define the grace period during transition (Define the grace period during transition(seconds))

Type: number

Range: 1-600

l4-session-usage-log

Description Send log if transition happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4-session-usage-revert-rate

Description Usage to revert to statelful method

Type: number

Range: 1-100

lb-method

Description 'dst-ip-hash': Load-balancing based on only Dst IP and Port hash; 'dst-ip-only-hash': Load-balancing based on only Dst IP hash; 'fastest-response': Fastest response time on service port level; 'least-request': Least request on service port level; 'src-ip-hash': Load-balancing based on only Src IP and Port hash; 'src-ip-only-hash': Load-balancing based on only Src IP hash; 'weighted-rr': Weighted round robin on server level; 'service-weighted-rr': Weighted round robin on service port level; 'round-robin': Round robin on server level; 'round-robin-strict': Strict mode round robin on server level; 'odd-even-hash': odd/even hash based of client src-ip;

Type: string

Supported Values: dst-ip-hash, dst-ip-only-hash, fastest-response, least-request, weighted-least-request, service-weighted-least-request, src-ip-hash, src-ip-only-hash, weighted-rr, service-weighted-rr, round-robin, round-robin-strict, odd-even-hash

Default: round-robin

Mutual Exclusion: lb-method,lrprr-method, lc-method, stateless-lb-method, llb-method, and lclb-method are mutually exclusive

lc-method

Description 'least-connection': Least connection on server level; 'service-least-connection': Least connection on service port level; 'weighted-least-connection': Weighted least connection on server level; 'service-weighted-least-connection': Weighted least connection on service port level;

Type: string

Supported Values: least-connection, service-least-connection, weighted-least-connection, service-weighted-least-connection

Mutual Exclusion: lc-method,lb-method, lrprr-method, stateless-lb-method, llb-method, and lclb-method are mutually exclusive

lclb-method

Description 'link-cost-load-balance': Link cost load balance;

Type: string

Supported Values: link-cost-load-balance

Mutual Exclusion: lclb-method,lb-method, lrprr-method, lc-method, stateless-lb-method, and llb-method are mutually exclusive

link-probe-template

Description Link Probe template (Link Probe template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/link-probe*

llb-method

Description 'next-hop-link': Server selection w/ link probe template on service port level;

Type: string

Supported Values: next-hop-link

Mutual Exclusion: llb-method,lb-method, lrprr-method, lc-method, stateless-lb-method, and lclb-method are mutually exclusive

lrprr-method

Description 'service-least-request-pseudo-round-robin': Least request on service port level and select the oldest node for sub-select;

Type: string

Supported Values: service-least-request-pseudo-round-robin

Mutual Exclusion: lrprr-method,lb-method, lc-method, stateless-lb-method, llb-method, and lclb-method are mutually exclusive

member-list

Type: List

Reference Object: */axapi/v3/slb/service-group/{name}/member/{name}+{port}*

min-active-member

Description Minimum Active Member Per Priority (Minimum Active Member before Action)

Type: number

Range: 1-1024

min-active-member-action

Description 'dynamic-priority': dynamic change member priority to met the min-active-member requirement; 'skip-pri-set': Skip Current Priority Set If Min not met;

Type: string

Supported Values: dynamic-priority, skip-pri-set

name

Description SLB Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

persist-scoring

Description 'global': Use Global Configuration; 'enable': Enable persist-scoring; 'disable': Disable persist-scoring;

Type: string

Supported Values: global, enable, disable

Default: global

priorities

Type: List

priority-affinity

Description Priority affinity. Persist to the same priority if possible.

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP LB service;

Type: string

Supported Values: tcp, udp

pseudo-round-robin

Description PRR, select the oldest node for sub-select

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

report-delay

Description Reporting frequency (in minutes)

Type: number

Range: 1-7200

reset

Description: reset is a **JSON Block**. Please see below for *reset*

Type: Object

Reference Object: */axapi/v3/slb/service-group/{name}/reset*

reset-on-server-selection-fail

Description Send reset to client if server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-priority-affinity

Description Reset

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpt-ext-server

Description Report top 10 fastest/slowest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sample-rsp-time

Description sample server response time

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-svcgrp-health-check

Description Reference a health-check from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-svcgrp-health-check, health-check, and health-check-disable are mutually exclusive

stateless-auto-switch

Description Enable auto stateless method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stateless-lb-method

Description 'stateless-dst-ip-hash': Stateless load-balancing based on Dst IP and Dst port hash; 'stateless-per-pkt-round-robin': Stateless load-balancing using per-packet round-robin; 'stateless-src-dst-ip-hash': Stateless load-balancing based on IP and port hash for both Src and Dst; 'stateless-src-dst-ip-only-hash': Stateless load-balancing based on only IP hash for both Src and Dst; 'stateless-src-ip-hash': Stateless load-balancing based on Src IP and Src port hash; 'stateless-src-ip-only-hash': Stateless load-balancing based on only Src IP hash; 'stateless-per-pkt-weighted-rr': Stateless load-balancing using per-packet weighted round robin on server level; 'stateless-per-pkt-service-weighted-rr': Stateless load-balancing using per-packet weighted round robin on service port level;

Type: string

Supported Values: stateless-dst-ip-hash, stateless-per-pkt-round-robin, stateless-src-dst-ip-hash, stateless-src-dst-ip-only-hash, stateless-src-ip-hash, stateless-src-ip-only-hash, stateless-per-pkt-weighted-rr, stateless-per-pkt-service-weighted-rr

Mutual Exclusion: stateless-lb-method,lb-method, lrprr-method, lc-method, llb-method, and lclb-method are mutually exclusive

stateless-lb-method2

Description 'stateless-dst-ip-hash': Stateless load-balancing based on Dst IP and Dst port hash; 'stateless-per-pkt-round-robin': Stateless load-balancing using per-packet round-robin; 'stateless-src-dst-ip-hash': Stateless load-balancing based on IP and port hash for both Src and Dst; 'stateless-src-dst-ip-only-hash': Stateless load-balancing based on only IP hash for both Src and Dst; 'stateless-src-ip-hash': Stateless load-balancing based on Src IP and Src port hash; 'stateless-src-ip-only-hash': Stateless load-balancing based on only Src IP hash; 'stateless-per-pkt-weighted-rr': Stateless load-balancing using per-packet weighted round robin on server level; 'stateless-per-pkt-service-weighted-rr': Stateless load-balancing using per-packet weighted round robin on service port level;

Type: string

Supported Values: stateless-dst-ip-hash, stateless-per-pkt-round-robin, stateless-src-dst-ip-hash, stateless-src-dst-ip-only-hash, stateless-src-ip-hash, stateless-src-ip-only-hash, stateless-per-pkt-weighted-rr, stateless-per-pkt-service-weighted-rr

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for service group; 'stats-data-disable': Disable statistical data collection for service group;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

strict-select

Description strict selection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

svcgrp-health-check-shared

Description Health Check (Monitor Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: svcgrp-health-check-shared and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

template-policy

Description Policy template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

template-port

Description Port template (Port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/port*

top-fastest

Description Report top 10 fastest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

top-slowest

Description Report top 10 slowest servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-replication-mirror

Description Mirror Bi-directional Packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror,traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl, traffic-replication-mirror-sa-da-repl, and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-da-repl

Description Replace Destination MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-da-repl,traffic-replication-mirror, traffic-replication-mirror-ip-repl, traffic-replication-mirror-sa-da-repl, and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-ip-repl

Description Replaces IP with server-IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-ip-repl,traffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-sa-da-repl, and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-sa-da-repl

Description Replace Source MAC and Destination MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-sa-da-repl,traffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl, and traffic-replication-mirror-sa-repl are mutually exclusive

traffic-replication-mirror-sa-repl

Description Replace Source MAC

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: traffic-replication-mirror-sa-repl,traffic-replication-mirror, traffic-replication-mirror-da-repl, traffic-replication-mirror-ip-repl, and traffic-replication-mirror-sa-da-repl are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list

Specification	Value
Type	*list*
Block object keys	

fqdn-name

Description Server hostname - Not applicable if real server is already defined

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

host

Description IP Address - Not applicable if real server is already defined

Type: string

Format: ipv4-address

member-priority

Description Priority of Port in the Group (Priority of Port in the Group, default is 1)

Type: number

Range: 1-16

Default: 1

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port; 'disable-with-health-check': disable member service port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

member-stats-data-disable

Description Disable statistical data collection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

member-template

Description Real server port template (Real server port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/port*

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Reference Object: */axapi/v3/slb/server/port*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 Address - Not applicable if real server is already defined

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

member-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total established connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections;

'curr_conn_overflow': Current connection counter overflow count; 'state_flaps': State flaps count;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

reset

Specification	Value
Type	*object*

auto-switch

Description Reset auto stateless state

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

priorities

Specification	Value
Type	*list*
Block object keys	

priority

Description Priority option. Define different action for each priority node. (Priority in the Group)

Type: number

Range: 1-16

priority-action

Description 'drop': Drop request when all priority nodes fail; 'drop-if-exceed-limit': Drop request when connection over limit; 'proceed': Proceed to next priority when all priority nodes fail(default); 'reset': Send client reset when all priority nodes fail; 'reset-if-exceed-limit': Send client reset when connection over limit;

Type: string

Supported Values: drop, drop-if-exceed-limit, proceed, reset, reset-if-exceed-limit

Default: proceed

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'server_selection_fail_drop': Drops due to Service selection failure; 'server_selection_fail_reset': Resets sent out for Service selection failure; 'service_peak_conn': Peak connection count for the Service Group; 'service_healthy_host': Service Group healthy host count; 'service_unhealthy_host': Service Group unhealthy host count; 'service_req_count': Service Group request count; 'service_resp_count': Service Group response count; 'service_resp_2xx': Service Group response 2xx count; 'service_resp_3xx': Service Group response 3xx count; 'service_resp_4xx': Service Group response 4xx count; 'service_resp_5xx': Service Group response 5xx count; 'service_curr_conn_overflow': Current connection counter overflow count;

Type: string

Supported Values: all, server_selection_fail_drop, server_selection_fail_reset, service_peak_conn, service_healthy_host, service_unhealthy_host, service_req_count, service_resp_count, service_resp_2xx, service_resp_3xx, service_resp_4xx, service_resp_5xx, service_curr_conn_overflow

2.120.170 slb service-group member

Service Group Member

member Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name, port*
Collection Name	*member-list*
Collection URI	/axapi/v3/slb/service-group/{name}/member
Element Name	member
Element URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}
Element Attributes	member_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}/stats
Operational Data URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}/oper
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/service-group/{name}/member

member attributes

Create List

POST

/axapi/v3/slb/service-group/{name}/member

member attributes

Get Object

GET

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Get List

GET

/axapi/v3/slb/service-group/{name}/member

member-list

Modify Object

POST

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Replace Object

PUT

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Replace List

PUT

/axapi/v3/slb/service-group/{name}/member

member-list

Delete Object

DELETE

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

fqdn-name

Description Server hostname - Not applicable if real server is already defined

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

host

Description IP Address - Not applicable if real server is already defined

Type: string

Format: ipv4-address

member-priority

Description Priority of Port in the Group (Priority of Port in the Group, default is 1)

Type: number

Range: 1-16

Default: 1

member-state

Description 'enable': Enable member service port; 'disable': Disable member service port; 'disable-with-health-check': disable member service port, but health check work;

Type: string

Supported Values: enable, disable, disable-with-health-check

Default: enable

member-stats-data-disable

Description Disable statistical data collection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

member-template

Description Real server port template (Real server port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/port*

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server*

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

Reference Object: */axapi/v3/slb/server/port*

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve FQDN; 'resolve-to-ipv6': Use AAAA Query only to resolve FQDN; 'resolve-to-ipv4-and-ipv6': Use A as well as AAAA Query to resolve FQDN;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6, resolve-to-ipv4-and-ipv6

Default: resolve-to-ipv4

sampling-enable

Type: List

server-ipv6-addr

Description IPV6 Address - Not applicable if real server is already defined

Type: string

Format: ipv6-address

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_conn': Total established connections; 'total_rev_pkts_inspected': Total reverse packets inspected; 'total_rev_pkts_inspected_status_code_2xx': Total reverse packets inspected status code 2xx; 'total_rev_pkts_inspected_status_code_non_5xx': Total reverse packets inspected status code non 5xx; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total requests successful; 'peak_conn': Peak connections; 'response_time': Response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'curr_conn_overflow': Current connection counter overflow count; 'state_flaps': State flaps count;

Type: string

Supported Values: all, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_conn, total_rev_pkts_inspected, total_rev_pkts_inspected_status_code_2xx, total_rev_pkts_inspected_status_code_non_5xx, curr_req, total_req, total_req_succ, peak_conn, response_time, fastest_rsp_time, slowest_rsp_time, curr_ssl_conn, total_ssl_conn, curr_conn_overflow, state_flaps

2.120.171 slb service-group member oper

Operational Status for the object member

member Specification

Parameter	Value
Type	*Collection*
Collection Name	*member-list*
Collection URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}
Element Name	member
Element URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}/oper
Element Attributes	member_attributes
Partition Visibility	None
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Create List

POST

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Get Object

GET

/axapi/v3/slb/service-group/{name}/member/{name}+{port}/oper

member attributes

Get List

GET

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member-list

Modify Object

POST

/axapi/v3/slb/service-group/{name}/member/{name}+{port}/oper

member attributes

Replace Object

PUT

/axapi/v3/slb/service-group/{name}/member/{name}+{port}/oper

member attributes

Replace List

PUT

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member-list

Delete Object

DELETE

/axapi/v3/slb/service-group/{name}/member/{name}+{port}/oper

member attributes

member-list

member-list is **JSON List** of *member attributes*

member-list : [

{ *member attributes* },

{ *member attributes* },

...

]

member attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

oper

Specification	Value
Type	*object*

alt-list

Type: List

drs-list

Type: List

hm-index

Description

Type: number

hm-key

Description

Type: number

state

Description

Type: string

Supported Values: UP, DOWN, MAINTENANCE, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-DAMP

oper_alt-list

Specification	Value
Type	*list*
Block object keys	

alt-curr-conn

Description

Type: number

alt-fwd-pkts

Description

Type: number

alt-name

Description

Type: string

alt-peak-conn

Description

Type: number

alt-port

Description

Type: number

alt-rev-pkts

Description

Type: number

alt-state

Description

Type: string

alt-total-conn

Description

Type: number

oper_drs-list

Specification	Value
Type	*list*
Block object keys	

drs-curr-conn

Description

Type: number

drs-curr-req

Description

Type: number

drs-frsp-time

Description

Type: number

drs-fwd-bts

Description

Type: number

drs-fwd-pkts

Description

Type: number

drs-hm-index

Description

Type: number

drs-hm-key

Description

Type: number

drs-name

Description

Type: string

drs-peak-conn

Description

Type: number

drs-pers-conn

Description

Type: number

drs-port

Description

Type: number

drs-priority

Description

Type: number

drs-rev-bts

Description

Type: number

drs-rev-pkts

Description

Type: number

drs-rsp-time

Description

Type: number

drs-srsp-time

Description

Type: number

drs-state

Description

Type: string

drs-total-conn

Description

Type: number

drs-total-req

Description

Type: number

drs-total-req-succ

Description

Type: number

2.120.172 slb service-group member stats

Statistics for the object member

member Specification

Parameter	Value
Type	*Collection*
Collection Name	*member-list*
Collection URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}
Element Name	member
Element URI	/axapi/v3/slb/service-group/{name}/member/{name}+{port}/stats
Element Attributes	member_attributes
Partition Visibility	None
Schema	`member schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Create List

POST

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member attributes

Get Object

GET

/axapi/v3/slb/service-group/{name}/member/{name}+{port}/stats

member attributes

Get List

GET

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member-list

Modify Object

POST

/axapi/v3/slb/service-group/{name}/member/{name}+{port}/stats

member attributes

Replace Object

PUT

/axapi/v3/slb/service-group/{name}/member/{name}+{port}/stats

member attributes

Replace List

PUT

/axapi/v3/slb/service-group/{name}/member/{name}+{port}

member-list

Delete Object

DELETE

/axapi/v3/slb/service-group/{name}/member/{name}+{port}/stats

member attributes

member-list

member-list is **JSON List** of *member attributes*

```
member-list : [
        { member attributes },
        { member attributes },
        ...
    ]
```

member attributes

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_conn

Description Current established connections

Type: number

Format: counter

curr_conn_overflow

Description Current connection counter overflow count

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

state_flaps

Description State flaps count

Type: number

Format: counter

total_conn

Description Total established connections

Type: number

Format: counter

total_fwd_bytes

Description Bytes processed in forward direction

Type: number

Format: counter

total_fwd_pkts

Description Packets processed in forward direction

Type: number

Format: counter

total_req

Description Total requests

Type: number

Format: counter

total_req_succ

Description Total requests successful

Type: number

Format: counter

total_rev_bytes

Description Bytes processed in reverse direction

Type: number

Format: counter

total_rev_pkts

Description Packets processed in reverse direction

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_status_code_2xx

Description Total reverse packets inspected status code 2xx

Type: number

Format: counter

total_rev_pkts_inspected_status_code_non_5xx

Description Total reverse packets inspected status code non 5xx

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

2.120.173 slb service-group oper

Operational Status for the object service-group

service-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/slb/service-group/{name}
Element Name	service-group
Element URI	/axapi/v3/slb/service-group/{name}/oper
Element Attributes	service-group_attributes
Partition Visibility	None
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/service-group/{name}

service-group attributes

Create List

POST

/axapi/v3/slb/service-group/{name}

service-group attributes

Get Object

GET

/axapi/v3/slb/service-group/{name}/oper

service-group attributes

Get List

GET

/axapi/v3/slb/service-group/{name}

service-group-list

Modify Object

POST

/axapi/v3/slb/service-group/{name}/oper

service-group attributes

Replace Object

PUT

/axapi/v3/slb/service-group/{name}/oper

service-group attributes

Replace List

PUT

/axapi/v3/slb/service-group/{name}

service-group-list

Delete Object

DELETE

/axapi/v3/slb/service-group/{name}/oper

service-group attributes

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

member-list

Type: List

Reference Object: */axapi/v3/slb/service-group/{name}/member/{name}+{port}*

name

Description SLB Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

filter

Description

Type: string

Supported Values: sgm-sort-config

hm_dsr_enable_all_vip

Description

Type: number

pri_affinity_priority

Description

Type: number

servers_disable

Description

Type: number

servers_down

Description

Type: number

servers_total

Description

Type: number

servers_up

Description

Type: number

sgm-list

Type: List

state

Description

Type: string

Supported Values: All Up, Functional Up, Down, Disb, Unkn

stateless_current_rate

Description

Type: number

stateless_current_usage

Description

Type: number

stateless_state

Description

Type: number

stateless_type

Description

Type: number

oper_sgm-list

Specification	Value
Type	*list*
Block object keys	

sgm-name

Description

Type: string

sgm-port

Description

Type: number

member-list

Specification	Value
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *member-list_oper*

Type: Object

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

member-list_oper

Specification	Value
Type	*object*

alt-list

Type: List

drs-list

Type: List

hm-index

Description

Type: number

hm-key

Description

Type: number

state

Description

Type: string

Supported Values: UP, DOWN, MAINTENANCE, DIS-UP, DIS-DOWN, DIS-MAINTENANCE, DIS-DAMP

member-list_oper_alt-list

Specification	Value
Type	*list*
Block object keys	

alt-curr-conn

Description

Type: number

alt-fwd-pkts

Description

Type: number

alt-name

Description

Type: string

alt-peak-conn

Description

Type: number

alt-port

Description

Type: number

alt-rev-pkts

Description

Type: number

alt-state

Description

Type: string

alt-total-conn

Description

Type: number

member-list_oper_drs-list

Specification	Value
Type	*list*
Block object keys	

drs-curr-conn

Description

Type: number

drs-curr-req

Description

Type: number

drs-frsp-time

Description

Type: number

drs-fwd-bts

Description

Type: number

drs-fwd-pkts

Description

Type: number

drs-hm-index

Description

Type: number

drs-hm-key

Description

Type: number

drs-name

Description

Type: string

drs-peak-conn

Description

Type: number

drs-pers-conn

Description

Type: number

drs-port

Description

Type: number

drs-priority

Description

Type: number

drs-rev-bts

Description

Type: number

drs-rev-pkts

Description

Type: number

drs-rsp-time

Description

Type: number

drs-srsp-time

Description

Type: number

drs-state

Description

Type: string

drs-total-conn

Description

Type: number

drs-total-req

Description

Type: number

drs-total-req-succ

Description

Type: number

2.120.174 slb service-group stats

Statistics for the object service-group

service-group Specification

Parameter	Value
Type	*Collection*
Collection Name	*service-group-list*
Collection URI	/axapi/v3/slb/service-group/{name}
Element Name	service-group
Element URI	/axapi/v3/slb/service-group/{name}/stats
Element Attributes	service-group_attributes
Partition Visibility	None
Schema	`service-group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/service-group/{name}

service-group attributes

Create List

POST

/axapi/v3/slb/service-group/{name}

service-group attributes

Get Object

GET

/axapi/v3/slb/service-group/{name}/stats

service-group attributes

Get List

GET

/axapi/v3/slb/service-group/{name}

service-group-list

Modify Object

POST

/axapi/v3/slb/service-group/{name}/stats

service-group attributes

Replace Object

PUT

/axapi/v3/slb/service-group/{name}/stats

service-group attributes

Replace List

PUT

/axapi/v3/slb/service-group/{name}

service-group-list

Delete Object

DELETE

/axapi/v3/slb/service-group/{name}/stats

service-group attributes

service-group-list

service-group-list is **JSON List** of *service-group attributes*

service-group-list : [

{ *service-group attributes* },

{ *service-group attributes* },

...

]

service-group attributes

member-list

Type: List

Reference Object: */axapi/v3/slb/service-group/{name}/member/{name}+{port}*

name

Description SLB Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

member-list

Specification	Value
Type	*list*
Block object keys	

name

Description Member name

Type: string

Format: comp-string

Maximum Length: 127 characters

Maximum Length: 1 characters

port

Description Port number

Type: number

Range: 0-65534

Default: 65534

stats

Description: stats is a **JSON Block**. Please see below for *member-list_stats*

Type: Object

member-list_stats

Specification	Value
Type	*object*

curr_conn

Description Current established connections

Type: number

Format: counter

curr_conn_overflow

Description Current connection counter overflow count

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

response_time

Description Response time

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

state_flaps

Description State flaps count

Type: number

Format: counter

total_conn

Description Total established connections

Type: number

Format: counter

total_fwd_bytes

Description Bytes processed in forward direction

Type: number

Format: counter

total_fwd_pkts

Description Packets processed in forward direction

Type: number

Format: counter

total_req

Description Total requests

Type: number

Format: counter

total_req_succ

Description Total requests successful

Type: number

Format: counter

total_rev_bytes

Description Bytes processed in reverse direction

Type: number

Format: counter

total_rev_pkts

Description Packets processed in reverse direction

Type: number

Format: counter

total_rev_pkts_inspected

Description Total reverse packets inspected

Type: number

Format: counter

total_rev_pkts_inspected_status_code_2xx

Description Total reverse packets inspected status code 2xx

Type: number

Format: counter

total_rev_pkts_inspected_status_code_non_5xx

Description Total reverse packets inspected status code non 5xx

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

stats

Specification	Value
Type	*object*

server_selection_fail_drop

Description Drops due to Service selection failure

Type: number

Format: counter

server_selection_fail_reset

Description Resets sent out for Service selection failure

Type: number

Format: counter

service_curr_conn_overflow

Description Current connection counter overflow count

Type: number

Format: counter

service_healthy_host

Description Service Group healthy host count

Type: number

Format: counter

service_peak_conn

Description Peak connection count for the Service Group

Type: number

Format: counter

service_req_count

Description Service Group request count

Type: number

Format: counter

service_resp_2xx

Description Service Group response 2xx count

Type: number

Format: counter

service_resp_3xx

Description Service Group response 3xx count

Type: number

Format: counter

service_resp_4xx

Description Service Group response 4xx count

Type: number

Format: counter

service_resp_5xx

Description Service Group response 5xx count

Type: number

Format: counter

service_resp_count

Description Service Group response count

Type: number

Format: counter

service_unhealthy_host

Description Service Group unhealthy host count

Type: number

Format: counter

2.120.175 slb sip

Configure SIP

sip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/slb/sip
Element Attributes	sip_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/sip/stats
Operational Data URI	/axapi/v3/slb/sip/oper
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/sip

sip attributes

```
POST /axapi/v3/slb/sip
Payload:
{
    "sip": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/sip

sip attributes

```
GET /axapi/v3/slb/sip
Reponse:
{
    "sip": {
        "uuid": "5172b39c-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/sip"
    }
}
```

Modify Object

POST

/axapi/v3/slb/sip

sip attributes

Replace Object

PUT

/axapi/v3/slb/sip

sip attributes

```
PUT /axapi/v3/slb/sip
Payload:
{
    "sip": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "msg_proxy_current"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/sip

sip attributes

```
DELETE /axapi/v3/slb/sip
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

sip attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_proxy_current': Number of current sip proxy connections; 'msg_proxy_total': Total number of sip proxy connections; 'msg_proxy_mem_allocd': some help string; 'msg_proxy_mem_cached': some help string; 'msg_proxy_mem_freed': some help string; 'msg_proxy_client_recv': Number of SIP messages received from client; 'msg_proxy_client_send_success': Number of SIP messages received from

client and forwarded to server; 'msg_proxy_client_incomplete': Number of packet which contains incomplete message; 'msg_proxy_client_drop': Number of AX drop; 'msg_proxy_client_connection': Connecting server; 'msg_proxy_client_fail': Number of SIP messages received from client but failed to forward to server; 'msg_proxy_client_fail_parse': msg_proxy_client_fail_parse; 'msg_proxy_client_fail_process': msg_proxy_client_fail_process; 'msg_proxy_client_fail_snat': msg_proxy_client_fail_snat; 'msg_proxy_client_exceed_tmp_buff': msg_proxy_client_exceed_tmp_buff; 'msg_proxy_client_fail_send_pkt': msg_proxy_client_fail_send_pkt; 'msg_proxy_client_fail_start_server_Conn': msg_proxy_client_fail_start_server_Conn; 'msg_proxy_server_recv': Number of SIP messages received from server; 'msg_proxy_server_send_success': Number of SIP messages received from server and forwarded to client; 'msg_proxy_server_incomplete': Number of packet which contains incomplete message; 'msg_proxy_server_drop': Number of AX drop; 'msg_proxy_server_fail': Number of SIP messages received from server but failed to forward to client; 'msg_proxy_server_fail_parse': some help string; 'msg_proxy_server_fail_process': some help string; 'msg_proxy_server_fail_selec_connt': some help string; 'msg_proxy_server_fail_snat': some help string; 'msg_proxy_server_exceed_tmp_buff': some help string; 'msg_proxy_server_fail_send_pkt': some help string; 'msg_proxy_create_server_conn': Number of server connection system tries to create; 'msg_proxy_start_server_conn': Number of server connection created successfully; 'msg_proxy_fail_start_server_conn': Number of server connection create failed; 'msg_proxy_server_conn_fail_snat': some help string; 'msg_proxy_fail_construct_server_conn': some help string; 'msg_proxy_fail_reserve_pconn': some help string; 'msg_proxy_start_server_conn_failed': some help string; 'msg_proxy_server_conn_already_exists': some help string; 'msg_proxy_fail_insert_server_conn': some help string; 'msg_proxy_parse_msg_fail': some help string; 'msg_proxy_process_msg_fail': msg_proxy_process_msg_fail; 'msg_proxy_no_vport': some help string; 'msg_proxy_fail_select_server': some help string; 'msg_proxy_fail_alloc_mem': some help string; 'msg_proxy_unexpected_err': some help string; 'msg_proxy_l7_cpu_failed': some help string; 'msg_proxy_l4_to_l7': some help string; 'msg_proxy_l4_from_l7': some help string; 'msg_proxy_to_l4_send_pkt': some help string; 'msg_proxy_l4_from_l4_send': some help string; 'msg_proxy_l7_to_L4': some help string; 'msg_proxy_mag_back': some help string; 'msg_proxy_fail_dcmsg': some help string; 'msg_proxy_deprecated_conn': some help string; 'msg_proxy_hold_msg': some help string; 'msg_proxy_split_pkt': some help string; 'msg_proxy_pipline_msg': some help string; 'msg_proxy_client_reset': some help string; 'msg_proxy_server_reset': some help string; 'session_created': SIP Session created; 'session_freed': SIP Session freed; 'session_in_rml': some help string; 'session_invalid': some help string; 'conn_allocd': some help string; 'conn_freed': some help string; 'session_callid_allocd': some help string; 'session_callid_freed': some help string; 'line_mem_allocd': some help string; 'line_mem_freed': some help string; 'table_mem_allocd': some help string; 'table_mem_freed': some help string; 'cmsg_no_uri_header': some help string; 'cmsg_no_uri_session': some help string; 'sg_no_uri_header': some help string; 'smsg_no_uri_session': some help string; 'line_too_long': line_too_long; 'fail_read_start_line': fail_read_start_line; 'fail_parse_start_line': fail_parse_start_line; 'invalid_start_line': invalid_start_line; 'request_unknown_version': request_unknown_version; 'response_unknown_version': some help string; 'request_unknown': request_unknown; 'fail_parse_headers': fail_parse_headers; 'too_many_headers': some help string; 'invalid_header': some help string; 'header_name_too_long': some help string; 'body_too_big': body_too_big; 'fail_get_counter': fail_get_counter; 'msg_no_call_id': some help string; 'identify_dir_failed': some help string; 'no_sip_request': some help string; 'deprecated_msg': some help string; 'fail_insert_callid_session': some help string; 'fail_insert_uri_session': some help string; 'fail_insert_header': some help string; 'select_server_conn': some help string; 'select_server_conn_by_callid': some help string; 'select_server_conn_by_uri': some

help string; 'select_server_conn_by_rev_tuple': some help string; 'select_server_conn_failed': some help string; 'select_client_conn': some help string; 'X_forward_for_select_client': some help string; 'call_id_select_client': some help string; 'uri_select_client': some help string; 'client_select_failed': some help string; 'acl_denied': some help string; 'assemble_frag_failed': some help string; 'wrong_ip_version': wrong_ip_version; 'size_too_large': size_too_large; 'fail_split_fragment': some help string; 'client_keepalive_received': some help string; 'server_keepalive_received': some help string; 'client_keepalive_send': some help string; 'server_keepalive_send': some help string; 'ax_health_check_received': some help string; 'client_request': some help string; 'client_request_ok': some help string; 'concatenate_msg': some help string; 'save_uri': some help string; 'save_uri_ok': some help string; 'save_call_id': some help string; 'save_call_id_ok': some help string; 'msg_translation': some help string; 'msg_translation_fail': msg_translation_fail; 'msg_trans_start_line': some help string; 'msg_trans_start_headers': some help string; 'msg_trans_body': some help string; 'request_register': some help string; 'request_invite': some help string; 'request_ack': some help string; 'request_cancel': some help string; 'request_bye': some help string; 'request_options': some help string; 'request_prack': some help string; 'request_subscribe': some help string; 'request_notify': some help string; 'request_publish': some help string; 'request_info': some help string; 'request_refer': some help string; 'request_message': some help string; 'request_update': some help string; 'response_unknown': some help string; 'response_1XX': some help string; 'response_2XX': some help string; 'response_3XX': some help string; 'response_4XX': some help string; 'response_5XX': some help string; 'response_6XX': some help string; 'ha_send_sip_session': some help string; 'ha_send_sip_session_ok': some help string; 'ha_fail_get_msg_header': ha_fail_get_msg_header; 'ha_recv_sip_session': some help string; 'ha_insert_sip_session_ok': some help string; 'ha_update_sip_session_ok': some help string; 'ha_invalid_pkt': some help string; 'ha_fail_alloc_sip_session': some help string; 'ha_fail_alloc_call_id': some help string; 'ha_fail_clone_sip_session': some help string; 'save_smp_call_id_rtp': some help string; 'update_smp_call_id_rtp': some help string; 'smp_call_id_rtp_session_match': some help string; 'smp_call_id_rtp_session_not_match': some help string; 'process_error_when_message_switch': some help string;

Type: string

Supported Values: all, msg_proxy_current, msg_proxy_total, msg_proxy_mem_allocd, msg_proxy_mem_cached, msg_proxy_mem_freed, msg_proxy_client_recv, msg_proxy_client_send_success, msg_proxy_client_incomplete, msg_proxy_client_drop, msg_proxy_client_connection, msg_proxy_client_fail, msg_proxy_client_fail_parse, msg_proxy_client_fail_process, msg_proxy_client_fail_snat, msg_proxy_client_exceed_tmp_buff, msg_proxy_client_fail_send_pkt, msg_proxy_client_fail_start_server_Conn, msg_proxy_server_recv, msg_proxy_server_send_success, msg_proxy_server_incomplete, msg_proxy_server_drop, msg_proxy_server_fail, msg_proxy_server_fail_parse, msg_proxy_server_fail_process, msg_proxy_server_fail_selec_connt, msg_proxy_server_fail_snat, msg_proxy_server_exceed_tmp_buff, msg_proxy_server_fail_send_pkt, msg_proxy_create_server_conn, msg_proxy_start_server_conn, msg_proxy_fail_start_server_conn, msg_proxy_server_conn_fail_snat, msg_proxy_fail_construct_server_conn, msg_proxy_fail_reserve_pconn, msg_proxy_start_server_conn_failed, msg_proxy_server_conn_already_exists, msg_proxy_fail_insert_server_conn, msg_proxy_parse_msg_fail, msg_proxy_process_msg_fail, msg_proxy_no_vport, msg_proxy_fail_select_server, msg_proxy_fail_alloc_mem, msg_proxy_unexpected_err, msg_proxy_l7_cpu_failed, msg_proxy_l4_to_l7, msg_proxy_l4_from_l7, msg_proxy_to_l4_send_pkt, msg_proxy_l4_from_l4_send, msg_proxy_l7_to_L4, msg_proxy_mag_back, msg_proxy_fail_dcmsg, msg_proxy_deprecated_conn, msg_proxy_hold_msg, msg_proxy_split_pkt, msg_proxy_pipline_msg, msg_proxy_client_reset, msg_proxy_server_reset, session_created, session_freed, session_in_rml, session_invalid,

conn_allocd, conn_freed, session_callid_allocd, session_callid_freed, line_mem_allocd, line_mem_freed, table_mem_allocd, table_mem_freed, cmsg_no_uri_header, cmsg_no_uri_session, sg_no_uri_header, smsg_no_uri_session, line_too_long, fail_read_start_line, fail_parse_start_line, invalid_start_line, request_unknown_version, response_unknown_version, request_unknown, fail_parse_headers, too_many_headers, invalid_header, header_name_too_long, body_too_big, fail_get_counter, msg_no_call_id, identify_dir_failed, no_sip_request, deprecated_msg, fail_insert_callid_session, fail_insert_uri_session, fail_insert_header, select_server_conn, select_server_conn_by_callid, select_server_conn_by_uri, select_server_conn_by_rev_tuple, select_server_conn_failed, select_client_conn, X_forward_for_select_client, call_id_select_client, uri_select_client, client_select_failed, acl_denied, assemble_frag_failed, wrong_ip_version, size_too_large, fail_split_fragment, client_keepalive_received, server_keepalive_received, client_keepalive_send, server_keepalive_send, ax_health_check_received, client_request, client_request_ok, concatenate_msg, save_uri, save_uri_ok, save_call_id, save_call_id_ok, msg_translation, msg_translation_fail, msg_trans_start_line, msg_trans_start_headers, msg_trans_body, request_register, request_invite, request_ack, request_cancel, request_bye, request_options, request_prack, request_subscribe, request_notify, request_publish, request_info, request_refer, request_message, request_update, response_unknown, response_1XX, response_2XX, response_3XX, response_4XX, response_5XX, response_6XX, ha_send_sip_session, ha_send_sip_session_ok, ha_fail_get_msg_header, ha_recv_sip_session, ha_insert_sip_session_ok, ha_update_sip_session_ok, ha_invalid_pkt, ha_fail_alloc_sip_session, ha_fail_alloc_call_id, ha_fail_clone_sip_session, save_smp_call_id_rtp, update_smp_call_id_rtp, smp_call_id_rtp_session_match, smp_call_id_rtp_session_not_match, process_error_when_message_switch

2.120.176 slb sip oper

Operational Status for the object sip

sip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/slb/sip/oper
Element Attributes	sip_attributes
Partition Visibility	None
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/sip/oper

sip attributes

Get Object

GET

/axapi/v3/slb/sip/oper

sip attributes

Modify Object

POST

/axapi/v3/slb/sip/oper

sip attributes

Replace Object

PUT

/axapi/v3/slb/sip/oper

sip attributes

Delete Object

DELETE

/axapi/v3/slb/sip/oper

sip attributes

sip attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

filter_type

Description

Type: string

Supported Values: detail, debug

sip-cpu-list

Type: List

oper_sip-cpu-list

Specification	Value
Type	*list*
Block object keys	

X_forward_for_select_client

Description

Type: number

acl_denied

Description

Type: number

assemble_frag_failed

Description

Type: number

ax_health_check_received

Description

Type: number

body_too_big

Description

Type: number

call_id_select_client

Description

Type: number

client_keepalive_received

Description

Type: number

client_keepalive_send

Description

Type: number

client_request

Description

Type: number

client_request_ok

Description

Type: number

client_select_failed

Description

Type: number

cmsg_no_uri_header

Description

Type: number

cmsg_no_uri_session

Description

Type: number

concatenate_msg

Description

Type: number

conn_allocd

Description

Type: number

conn_freed

Description

Type: number

deprecated_msg

Description

Type: number

fail_get_counter

Description

Type: number

fail_insert_callid_session

Description

Type: number

fail_insert_header

Description

Type: number

fail_insert_uri_session

Description

Type: number

fail_parse_headers

Description

Type: number

fail_parse_start_line

Description

Type: number

fail_read_start_line

Description

Type: number

fail_split_fragment

Description

Type: number

ha_fail_alloc_call_id

Description

Type: number

ha_fail_alloc_sip_session

Description

Type: number

ha_fail_clone_sip_session

Description

Type: number

ha_fail_get_msg_header

Description

Type: number

ha_insert_sip_session_ok

Description

Type: number

ha_invalid_pkt

Description

Type: number

ha_recv_sip_session

Description

Type: number

ha_send_sip_session

Description

Type: number

ha_send_sip_session_ok

Description

Type: number

ha_update_sip_session_ok

Description

Type: number

header_name_too_long

Description

Type: number

identify_dir_failed

Description

Type: number

invalid_header

Description

Type: number

invalid_start_line

Description

Type: number

line_mem_allocd

Description

Type: number

line_mem_freed

Description

Type: number

line_too_long

Description

Type: number

msg_no_call_id

Description

Type: number

msg_proxy_client_connection

Description

Type: number

msg_proxy_client_drop

Description

Type: number

msg_proxy_client_exceed_tmp_buff

Description

Type: number

msg_proxy_client_fail

Description

Type: number

msg_proxy_client_fail_parse

Description

Type: number

msg_proxy_client_fail_process

Description

Type: number

msg_proxy_client_fail_send_pkt

Description

Type: number

msg_proxy_client_fail_snat

Description

Type: number

msg_proxy_client_fail_start_server_Conn

Description

Type: number

msg_proxy_client_incomplete

Description

Type: number

msg_proxy_client_recv

Description

Type: number

msg_proxy_client_reset

Description

Type: number

msg_proxy_client_send_success

Description

Type: number

msg_proxy_create_server_conn

Description

Type: number

msg_proxy_current

Description

Type: number

msg_proxy_deprecated_conn

Description

Type: number

msg_proxy_fail_alloc_mem

Description

Type: number

msg_proxy_fail_construct_server_conn

Description

Type: number

msg_proxy_fail_dcmsg

Description

Type: number

msg_proxy_fail_insert_server_conn

Description

Type: number

msg_proxy_fail_reserve_pconn

Description

Type: number

msg_proxy_fail_select_server

Description

Type: number

msg_proxy_fail_start_server_conn

Description

Type: number

msg_proxy_hold_msg

Description

Type: number

msg_proxy_l4_from_l4_send

Description

Type: number

msg_proxy_l4_from_l7

Description

Type: number

msg_proxy_l4_to_l7

Description

Type: number

msg_proxy_l7_cpu_failed

Description

Type: number

msg_proxy_l7_to_L4

Description

Type: number

msg_proxy_mag_back

Description

Type: number

msg_proxy_mem_allocd

Description

Type: number

msg_proxy_mem_cached

Description

Type: number

msg_proxy_mem_freed

Description

Type: number

msg_proxy_no_vport

Description

Type: number

msg_proxy_parse_msg_fail

Description

Type: number

msg_proxy_pipline_msg

Description

Type: number

msg_proxy_process_msg_fail

Description

Type: number

msg_proxy_server_conn_already_exists

Description

Type: number

msg_proxy_server_conn_fail_snat

Description

Type: number

msg_proxy_server_drop

Description

Type: number

msg_proxy_server_exceed_tmp_buff

Description

Type: number

msg_proxy_server_fail

Description

Type: number

msg_proxy_server_fail_parse

Description

Type: number

msg_proxy_server_fail_process

Description

Type: number

msg_proxy_server_fail_selec_connt

Description

Type: number

msg_proxy_server_fail_send_pkt

Description

Type: number

msg_proxy_server_fail_snat

Description

Type: number

msg_proxy_server_incomplete

Description

Type: number

msg_proxy_server_recv

Description

Type: number

msg_proxy_server_reset

Description

Type: number

msg_proxy_server_send_success

Description

Type: number

msg_proxy_split_pkt

Description

Type: number

msg_proxy_start_server_conn

Description

Type: number

msg_proxy_start_server_conn_failed

Description

Type: number

msg_proxy_to_l4_send_pkt

Description

Type: number

msg_proxy_total

Description

Type: number

msg_proxy_unexpected_err

Description

Type: number

msg_trans_body

Description

Type: number

msg_trans_start_headers

Description

Type: number

msg_trans_start_line

Description

Type: number

msg_translation

Description

Type: number

msg_translation_fail

Description

Type: number

no_sip_request

Description

Type: number

process_error_when_message_switch

Description

Type: number

request_ack

Description

Type: number

request_bye

Description

Type: number

request_cancel

Description

Type: number

request_info

Description

Type: number

request_invite

Description

Type: number

request_message

Description

Type: number

request_notify

Description

Type: number

request_options

Description

Type: number

request_prack

Description

Type: number

request_publish

Description

Type: number

request_refer

Description

Type: number

request_register

Description

Type: number

request_subscribe

Description

Type: number

request_unknown

Description

Type: number

request_unknown_version

Description

Type: number

request_update

Description

Type: number

response_1XX

Description

Type: number

response_2XX

Description

Type: number

response_3XX

Description

Type: number

response_4XX

Description

Type: number

response_5XX

Description

Type: number

response_6XX

Description

Type: number

response_unknown

Description

Type: number

response_unknown_version

Description

Type: number

save_call_id

Description

Type: number

save_call_id_ok

Description

Type: number

save_smp_call_id_rtp

Description

Type: number

save_uri

Description

Type: number

save_uri_ok

Description

Type: number

select_client_conn

Description

Type: number

select_server_conn

Description

Type: number

select_server_conn_by_callid

Description

Type: number

select_server_conn_by_rev_tuple

Description

Type: number

select_server_conn_by_uri

Description

Type: number

select_server_conn_failed

Description

Type: number

server_keepalive_received

Description

Type: number

server_keepalive_send

Description

Type: number

session_callid_allocd

Description

Type: number

session_callid_freed

Description

Type: number

session_created

Description

Type: number

session_freed

Description

Type: number

session_in_rml

Description

Type: number

session_invalid

Description

Type: number

sg_no_uri_header

Description

Type: number

size_too_large

Description

Type: number

smp_call_id_rtp_session_match

Description

Type: number

smp_call_id_rtp_session_not_match

Description

Type: number

smsg_no_uri_session

Description

Type: number

table_mem_allocd

Description

Type: number

table_mem_freed

Description

Type: number

too_many_headers

Description

Type: number

update_smp_call_id_rtp

Description

Type: number

uri_select_client

Description

Type: number

wrong_ip_version

Description

Type: number

2.120.177 slb sip stats

Statistics for the object sip

sip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sip
Element URI	/axapi/v3/slb/sip/stats
Element Attributes	sip_attributes
Partition Visibility	None
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/sip/stats

sip attributes

Get Object

GET

/axapi/v3/slb/sip/stats

sip attributes

Modify Object

POST

/axapi/v3/slb/sip/stats

sip attributes

Replace Object

PUT

/axapi/v3/slb/sip/stats

sip attributes

Delete Object

DELETE

/axapi/v3/slb/sip/stats

sip attributes

sip attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

msg_proxy_client_connection

Description Connecting server

Type: number

Format: counter

msg_proxy_client_drop

Description Number of AX drop

Type: number

Format: counter

msg_proxy_client_fail

Description Number of SIP messages received from client but failed to forward to server

Type: number

Format: counter

msg_proxy_client_incomplete

Description Number of packet which contains incomplete message

Type: number

Format: counter

msg_proxy_client_recv

Description Number of SIP messages received from client

Type: number

Format: counter

msg_proxy_client_send_success

Description Number of SIP messages received from client and forwarded to server

Type: number

Format: counter

msg_proxy_create_server_conn

Description Number of server connection system tries to create

Type: number

Format: counter

msg_proxy_current

Description Number of current sip proxy connections

Type: number

Format: counter

msg_proxy_fail_start_server_conn

Description Number of server connection create failed

Type: number

Format: counter

msg_proxy_server_drop

Description Number of AX drop

Type: number

Format: counter

msg_proxy_server_fail

Description Number of SIP messages received from server but failed to forward to client

Type: number

Format: counter

msg_proxy_server_incomplete

Description Number of packet which contains incomplete message

Type: number

Format: counter

msg_proxy_server_recv

Description Number of SIP messages received from server

Type: number

Format: counter

msg_proxy_server_send_success

Description Number of SIP messages received from server and forwarded to client

Type: number

Format: counter

msg_proxy_start_server_conn

Description Number of server connection created successfully

Type: number

Format: counter

msg_proxy_total

Description Total number of sip proxy connections

Type: number

Format: counter

session_created

Description SIP Session created

Type: number

Format: counter

session_freed

Description SIP Session freed

Type: number

Format: counter

2.120.178 slb smpp

Configure SMPP

smpp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smpp
Element URI	/axapi/v3/slb/smpp
Element Attributes	smpp_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/smpp/stats
Operational Data URI	/axapi/v3/slb/smpp/oper
Schema	`smpp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/smpp

smpp attributes

```
POST /axapi/v3/slb/smpp
Payload:
{
    "smpp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/smpp

smpp attributes

```
GET /axapi/v3/slb/smpp
Reponse:
{
    "smpp": {
        "uuid": "5172ac44-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/smpp"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/slb/smpp

smpp attributes

Replace Object

PUT

/axapi/v3/slb/smpp

smpp attributes

```
PUT /axapi/v3/slb/smpp
Payload:
{
    "smpp": {
        "sampling-enable": [
            {
                "counters1": "msg_proxy_current"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/smpp

smpp attributes

```
DELETE /axapi/v3/slb/smpp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

smpp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msg_proxy_current': Curr SMPP Proxy; 'msg_proxy_total': Total SMPP Proxy; 'msg_proxy_mem_allocd': some help string; 'msg_proxy_mem_cached': some help string; 'msg_proxy_mem_freed': some help string; 'msg_proxy_client_recv': Client message rcvd; 'msg_proxy_client_send_success': Sent to server; 'msg_proxy_client_incomplete': Incomplete; 'msg_proxy_client_drop': AX responds directly; 'msg_proxy_client_connection': Connecting server; 'msg_proxy_client_fail': Number of SMPP messages received from client but failed to forward to server; 'msg_proxy_client_fail_parse': some help string; 'msg_proxy_client_fail_process': some help string; 'msg_proxy_client_fail_snat': some help string; 'msg_proxy_client_exceed_tmp_buff': some help string; 'msg_proxy_client_fail_send_pkt': some help string; 'msg_proxy_client_fail_start_server_Conn': some help string; 'msg_proxy_server_recv': Server message rcvd; 'msg_proxy_server_send_success': Sent to client; 'msg_proxy_server_incomplete': Incomplete; 'msg_proxy_server_drop': Number of the packet AX drop; 'msg_proxy_server_fail': Number of SMPP messages received from server but failed to forward to client; 'msg_proxy_server_fail_parse': some help string; 'msg_proxy_server_fail_process': some help string; 'msg_proxy_server_fail_selec_connt': some help string; 'msg_proxy_server_fail_snat': some help string; 'msg_proxy_server_exceed_tmp_buff': some help string; 'msg_proxy_server_fail_send_pkt': some help string; 'msg_proxy_create_server_conn': Server conn created; 'msg_proxy_start_server_conn': Number of server connection created successfully; 'msg_proxy_fail_start_server_conn': Number of server connection created failed; 'msg_proxy_server_conn_fail_snat': some help string; 'msg_proxy_fail_construct_server_conn': some help string; 'msg_proxy_fail_reserve_pconn': some help string; 'msg_proxy_start_server_conn_failed': some help string; 'msg_proxy_server_conn_already_exists': some help string; 'msg_proxy_fail_insert_server_conn': some help string; 'msg_proxy_parse_msg_fail': some help string; 'msg_proxy_process_msg_fail': some help string; 'msg_proxy_no_vport': some help string; 'msg_proxy_fail_select_server': some help string; 'msg_proxy_fail_alloc_mem': msg_proxy_fail_alloc_mem; 'msg_proxy_unexpected_err': some help string; 'msg_proxy_l7_cpu_failed': some help string; 'msg_proxy_l4_to_l7': some help string; 'msg_proxy_l4_from_l7': some help string; 'msg_proxy_to_l4_send_pkt': some help

string; 'msg_proxy_l4_from_l4_send': some help string; 'msg_proxy_l7_to_L4': some help string; 'msg_proxy_mag_back': some help string; 'msg_proxy_fail_dcmsg': some help string; 'msg_proxy_deprecated_conn': some help string; 'msg_proxy_hold_msg': some help string; 'msg_proxy_split_pkt': some help string; 'msg_proxy_pipline_msg': some help string; 'msg_proxy_client_reset': some help string; 'msg_proxy_server_reset': some help string; 'payload_allocd': some help string; 'payload_freed': some help string; 'pkt_too_small': pkt_too_small; 'invalid_seq': some help string; 'AX_response_directly': Number of packet which AX responds directly; 'select_client_conn': Client conn selection; 'select_client_by_req': Select by request; 'select_client_from_list': Select by roundbin; 'select_client_by_conn': Select by conn; 'select_client_fail': Select failed; 'select_server_conn': Server conn selection; 'select_server_by_req': Select by request; 'select_server_from_list': Select by roundbin; 'select_server_by_conn': Select server conn by client conn; 'select_server_fail': Fail to select server conn; 'bind_conn': some help string; 'unbind_conn': some help string; 'enquire_link_recv': some help string; 'enquire_link_resp_recv': some help string; 'enquire_link_send': some help string; 'enquire_link_resp_send': some help string; 'client_conn_put_in_list': some help string; 'client_conn_get_from_list': some help string; 'server_conn_put_in_list': some help string; 'server_conn_get_from_list': some help string; 'server_conn_fail_bind': some help string; 'single_msg': some help string; 'fail_bind_msg': fail_bind_msg;

Type: string

Supported Values: all, msg_proxy_current, msg_proxy_total, msg_proxy_mem_allocd, msg_proxy_mem_cached, msg_proxy_mem_freed, msg_proxy_client_recv, msg_proxy_client_send_success, msg_proxy_client_incomplete, msg_proxy_client_drop, msg_proxy_client_connection, msg_proxy_client_fail, msg_proxy_client_fail_parse, msg_proxy_client_fail_process, msg_proxy_client_fail_snat, msg_proxy_client_exceed_tmp_buff, msg_proxy_client_fail_send_pkt, msg_proxy_client_fail_start_server_Conn, msg_proxy_server_recv, msg_proxy_server_send_success, msg_proxy_server_incomplete, msg_proxy_server_drop, msg_proxy_server_fail, msg_proxy_server_fail_parse, msg_proxy_server_fail_process, msg_proxy_server_fail_selec_connt, msg_proxy_server_fail_snat, msg_proxy_server_exceed_tmp_buff, msg_proxy_server_fail_send_pkt, msg_proxy_create_server_conn, msg_proxy_start_server_conn, msg_proxy_fail_start_server_conn, msg_proxy_server_conn_fail_snat, msg_proxy_fail_construct_server_conn, msg_proxy_fail_reserve_pconn, msg_proxy_start_server_conn_failed, msg_proxy_server_conn_already_exists, msg_proxy_fail_insert_server_conn, msg_proxy_parse_msg_fail, msg_proxy_process_msg_fail, msg_proxy_no_vport, msg_proxy_fail_select_server, msg_proxy_fail_alloc_mem, msg_proxy_unexpected_err, msg_proxy_l7_cpu_failed, msg_proxy_l4_to_l7, msg_proxy_l4_from_l7, msg_proxy_to_l4_send_pkt, msg_proxy_l4_from_l4_send, msg_proxy_l7_to_L4, msg_proxy_mag_back, msg_proxy_fail_dcmsg, msg_proxy_deprecated_conn, msg_proxy_hold_msg, msg_proxy_split_pkt, msg_proxy_pipline_msg, msg_proxy_client_reset, msg_proxy_server_reset, payload_allocd, payload_freed, pkt_too_small, invalid_seq, AX_response_directly, select_client_conn, select_client_by_req, select_client_from_list, select_client_by_conn, select_client_fail, select_server_conn, select_server_by_req, select_server_from_list, select_server_by_conn, select_server_fail, bind_conn, unbind_conn, enquire_link_recv, enquire_link_resp_recv, enquire_link_send, enquire_link_resp_send, client_conn_put_in_list, client_conn_get_from_list, server_conn_put_in_list, server_conn_get_from_list, server_conn_fail_bind, single_msg, fail_bind_msg

2.120.179 slb smpp oper

Operational Status for the object smpp

smpp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smpp
Element URI	/axapi/v3/slb/smpp/oper
Element Attributes	smpp_attributes
Partition Visibility	None
Schema	`smpp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/smpp/oper

smpp attributes

Get Object

GET

/axapi/v3/slb/smpp/oper

smpp attributes

Modify Object

POST

/axapi/v3/slb/smpp/oper

smpp attributes

Replace Object

PUT

/axapi/v3/slb/smpp/oper

smpp attributes

Delete Object

DELETE

/axapi/v3/slb/smpp/oper

smpp attributes

smpp attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

filter_type

Description

Type: string

Supported Values: detail, debug

smpp-cpu-fields

Type: List

oper_smpp-cpu-fields

Specification	Value
Type	*list*
Block object keys	

AX_response_directly

Description

Type: number

bind_conn

Description

Type: number

client_conn_get_from_list

Description

Type: number

client_conn_put_in_list

Description

Type: number

enquire_link_recv

Description

Type: number

enquire_link_resp_recv

Description

Type: number

enquire_link_resp_send

Description

Type: number

enquire_link_send

Description

Type: number

fail_bind_msg

Description

Type: number

invalid_seq

Description

Type: number

msg_proxy_client_connection

Description

Type: number

msg_proxy_client_drop

Description

Type: number

msg_proxy_client_exceed_tmp_buff

Description

Type: number

msg_proxy_client_fail

Description

Type: number

msg_proxy_client_fail_parse

Description

Type: number

msg_proxy_client_fail_process

Description

Type: number

msg_proxy_client_fail_send_pkt

Description

Type: number

msg_proxy_client_fail_snat

Description

Type: number

msg_proxy_client_fail_start_server_Conn

Description

Type: number

msg_proxy_client_incomplete

Description

Type: number

msg_proxy_client_recv

Description

Type: number

msg_proxy_client_reset

Description

Type: number

msg_proxy_client_send_success

Description

Type: number

msg_proxy_create_server_conn

Description

Type: number

msg_proxy_current

Description

Type: number

msg_proxy_deprecated_conn

Description

Type: number

msg_proxy_fail_alloc_mem

Description

Type: number

msg_proxy_fail_construct_server_conn

Description

Type: number

msg_proxy_fail_dcmsg

Description

Type: number

msg_proxy_fail_insert_server_conn

Description

Type: number

msg_proxy_fail_reserve_pconn

Description

Type: number

msg_proxy_fail_select_server

Description

Type: number

msg_proxy_fail_start_server_conn

Description

Type: number

msg_proxy_hold_msg

Description

Type: number

msg_proxy_l4_from_l4_send

Description

Type: number

msg_proxy_l4_from_l7

Description

Type: number

msg_proxy_l4_to_l7

Description

Type: number

msg_proxy_l7_cpu_failed

Description

Type: number

msg_proxy_l7_to_L4

Description

Type: number

msg_proxy_mag_back

Description

Type: number

msg_proxy_mem_allocd

Description

Type: number

msg_proxy_mem_cached

Description

Type: number

msg_proxy_mem_freed

Description

Type: number

msg_proxy_no_vport

Description

Type: number

msg_proxy_parse_msg_fail

Description

Type: number

msg_proxy_pipline_msg

Description

Type: number

msg_proxy_process_msg_fail

Description

Type: number

msg_proxy_server_conn_already_exists

Description

Type: number

msg_proxy_server_conn_fail_snat

Description

Type: number

msg_proxy_server_drop

Description

Type: number

msg_proxy_server_exceed_tmp_buff

Description

Type: number

msg_proxy_server_fail

Description

Type: number

msg_proxy_server_fail_parse

Description

Type: number

msg_proxy_server_fail_process

Description

Type: number

msg_proxy_server_fail_selec_connt

Description

Type: number

msg_proxy_server_fail_send_pkt

Description

Type: number

msg_proxy_server_fail_snat

Description

Type: number

msg_proxy_server_incomplete

Description

Type: number

msg_proxy_server_recv

Description

Type: number

msg_proxy_server_reset

Description

Type: number

msg_proxy_server_send_success

Description

Type: number

msg_proxy_split_pkt

Description

Type: number

msg_proxy_start_server_conn

Description

Type: number

msg_proxy_start_server_conn_failed

Description

Type: number

msg_proxy_to_l4_send_pkt

Description

Type: number

msg_proxy_total

Description

Type: number

msg_proxy_unexpected_err

Description

Type: number

payload_allocd

Description

Type: number

payload_freed

Description

Type: number

pkt_too_small

Description

Type: number

select_client_by_conn

Description

Type: number

select_client_by_req

Description

Type: number

select_client_conn

Description

Type: number

select_client_fail

Description

Type: number

select_client_from_list

Description

Type: number

select_server_by_conn

Description

Type: number

select_server_by_req

Description

Type: number

select_server_conn

Description

Type: number

select_server_fail

Description

Type: number

select_server_from_list

Description

Type: number

server_conn_fail_bind

Description

Type: number

server_conn_get_from_list

Description

Type: number

server_conn_put_in_list

Description

Type: number

single_msg

Description

Type: number

unbind_conn

Description

Type: number

2.120.180 slb smpp stats

Statistics for the object smpp

smpp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smpp
Element URI	/axapi/v3/slb/smpp/stats
Element Attributes	smpp_attributes
Partition Visibility	None
Schema	`smpp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/smpp/stats

smpp attributes

Get Object

GET

/axapi/v3/slb/smpp/stats

smpp attributes

Modify Object

POST

/axapi/v3/slb/smpp/stats

smpp attributes

Replace Object

PUT

/axapi/v3/slb/smpp/stats

smpp attributes

Delete Object

DELETE

/axapi/v3/slb/smpp/stats

smpp attributes

smpp attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

AX_response_directly

Description Number of packet which AX responds directly

Type: number

Format: counter

msg_proxy_client_connection

Description Connecting server

Type: number

Format: counter

msg_proxy_client_drop

Description AX responds directly

Type: number

Format: counter

msg_proxy_client_fail

Description Number of SMPP messages received from client but failed to forward to server

Type: number

Format: counter

msg_proxy_client_incomplete

Description Incomplete

Type: number

Format: counter

msg_proxy_client_recv

Description Client message rcvd

Type: number

Format: counter

msg_proxy_client_send_success

Description Sent to server

Type: number

Format: counter

msg_proxy_create_server_conn

Description Server conn created

Type: number

Format: counter

msg_proxy_current

Description Curr SMPP Proxy

Type: number

Format: counter

msg_proxy_fail_start_server_conn

Description Number of server connection created failed

Type: number

Format: counter

msg_proxy_server_drop

Description Number of the packet AX drop

Type: number

Format: counter

msg_proxy_server_fail

Description Number of SMPP messages received from server but failed to forward to client

Type: number

Format: counter

msg_proxy_server_incomplete

Description Incomplete

Type: number

Format: counter

msg_proxy_server_recv

Description Server message rcvd

Type: number

Format: counter

msg_proxy_server_send_success

Description Sent to client

Type: number

Format: counter

msg_proxy_start_server_conn

Description Number of server connection created successfully

Type: number

Format: counter

msg_proxy_total

Description Total SMPP Proxy

Type: number

Format: counter

select_client_by_conn

Description Select by conn

Type: number

Format: counter

select_client_by_req

Description Select by request

Type: number

Format: counter

select_client_conn

Description Client conn selection

Type: number

Format: counter

select_client_fail

Description Select failed

Type: number

Format: counter

select_client_from_list

Description Select by roundbin

Type: number

Format: counter

select_server_by_conn

Description Select server conn by client conn

Type: number

Format: counter

select_server_by_req

Description Select by request

Type: number

Format: counter

select_server_conn

Description Server conn selection

Type: number

Format: counter

select_server_fail

Description Fail to select server conn

Type: number

Format: counter

select_server_from_list

Description Select by roundbin

Type: number

Format: counter

2.120.181 slb smtp

Configure SMTP

smtp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smtp
Element URI	/axapi/v3/slb/smtp
Element Attributes	smtp_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/smtp/stats
Operational Data URI	/axapi/v3/slb/smtp/oper
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/smtp

smtp attributes

```
POST /axapi/v3/slb/smtp
Payload:
{
    "smtp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/smtp

smtp attributes

```
GET /axapi/v3/slb/smtp
Reponse:
{
    "smtp": {
        "uuid": "5172ad7a-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/smtp"
    }
}
```

Modify Object

POST

/axapi/v3/slb/smtp

smtp attributes

Replace Object

PUT

/axapi/v3/slb/smtp

smtp attributes

```
PUT /axapi/v3/slb/smtp
Payload:
{
    "smtp": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/smtp

smtp attributes

```
DELETE /axapi/v3/slb/smtp
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

smtp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Current proxy conns; 'total_proxy': Total proxy conns; 'request': SMTP requests; 'request_success': SMTP requests (success); 'no_proxy': No proxy error; 'client_reset': Client reset; 'server_reset': Server reset; 'no_tuple': No tuple error; 'parse_req_fail': Parse request failure; 'server_select_fail': Server selection failure; 'forward_req_fail': Forward request failure; 'forward_req_data_fail': Forward REQ data failure; 'req_retran': Request retransmit; 'req_ofo': Request pkt out-of-order; 'server_reselect': Server reselection; 'server_prem_close': Server premature close; 'new_server_conn': Server connection made; 'snat_fail': Source NAT failure; 'tcp_out_reset': TCP out reset; 'Aflex_switch': aFleX switching; 'Aflex_switch_ok': aFleX switching (succ); 'recv_client_command_EHLO': Recv client EHLO; 'recv_client_command_HELO': Recv client HELO; 'recv_client_command_MAIL': Recv client MAIL; 'recv_client_command_RCPT': Recv client RCPT; 'recv_client_command_DATA': Recv client DATA; 'recv_client_command_RSET': Recv client RSET; 'recv_client_command_VRFY': Recv client VRFY; 'recv_client_command_EXPN': Recv client EXPN; 'recv_client_command_HELP': Recv client HELP; 'recv_client_command_NOOP': Recv client NOOP; 'recv_client_command_QUIT': Recv client QUIT; 'recv_client_command_STARTTLS': Recv client STARTTLS; 'recv_client_command_others': Recv client other cmds; 'send_client_service_ready': Sent client serv-rdy; 'send_client_service_not_ready': Sent client serv-not-rdy; 'send_client_close_connection': Sent client close-conn; 'send_client_go_ahead': Sent client go-ahead; 'send_client_start_TLS_first': Sent client STARTTLS-1st; 'send_client_TLS_not_available': Sent client TLS-not-aval; 'send_client_no_command': Sent client no-such-cmd; 'send_server_cmd_reset': Sent server RSET; 'TLS_established': SSL session established; 'L4_switch': L4 switching; 'recv_server_service_not_ready':

Recv server serv-not-rdy; 'recv_server_unknow_reply_code': Recv server unknown-code; 'client_domain_switch': Client domain switching; 'client_domain_switch_ok': Client domain sw (succ); 'LB_switch': LB switching; 'LB_switch_ok': LB switching (succ); 'read_request_line_fail': Read request line fail; 'get_all_headers_fail': Get all headers fail; 'too_many_headers': Too many headers; 'line_too_long': Line too long; 'line_across_packet': Line across packets; 'line_extend': Line extend; 'line_extend_fail': Line extend fail; 'line_table_extend': Table extend; 'line_table_extend_fail': Table extend fail; 'parse_request_line_fail': Parse request line fail; 'insert_resonse_line_fail': Ins response line fail; 'remove_resonse_line_fail': Del response line fail; 'parse_resonse_line_fail': Parse response line fail; 'Aflex_lb_reselect': aFleX lb reselect; 'Aflex_lb_reselect_ok': aFleX lb reselect (succ); 'server_STARTTLS_init': Init server side STARTTLS; 'server_STARTTLS_fail': Server side STARTTLS fail; 'rserver_STARTTLS_disable': real server not support START-TLS; 'recv_client_command_TURN': Recv client TURN; 'recv_client_command_ETRN': Recv client ETRN; 'send_server_ehlo': Proxy sends server EHLO; 'fail_to_save_client_ehlo': Failed to save client EHLO; 'aflex_mail_fail': aFlex Mail event failed; 'drop_server_ehlo_ok': Server EHLO_OK dropped; 'client_ehlo_saved': Client EHLO saved;

Type: string

Supported Values: all, curr_proxy, total_proxy, request, request_success, no_proxy, client_reset, server_reset, no_tuple, parse_req_fail, server_select_fail, forward_req_fail, forward_req_data_fail, req_retran, req_ofo, server_reselect, server_prem_close, new_server_conn, snat_fail, tcp_out_reset, Aflex_switch, Aflex_switch_ok, recv_client_command_EHLO, recv_client_command_HELO, recv_client_command_MAIL, recv_client_command_RCPT, recv_client_command_DATA, recv_client_command_RSET, recv_client_command_VRFY, recv_client_command_EXPN, recv_client_command_HELP, recv_client_command_NOOP, recv_client_command_QUIT, recv_client_command_STARTTLS, recv_client_command_others, send_client_service_ready, send_client_service_not_ready, send_client_close_connection, send_client_go_ahead, send_client_start_TLS_first, send_client_TLS_not_available, send_client_no_command, send_server_cmd_reset, TLS_established, L4_switch, recv_server_service_not_ready, recv_server_unknow_reply_code, client_domain_switch, client_domain_switch_ok, LB_switch, LB_switch_ok, read_request_line_fail, get_all_headers_fail, too_many_headers, line_too_long, line_across_packet, line_extend, line_extend_fail, line_table_extend, line_table_extend_fail, parse_request_line_fail, insert_resonse_line_fail, remove_resonse_line_fail, parse_resonse_line_fail, Aflex_lb_reselect, Aflex_lb_reselect_ok, server_STARTTLS_init, server_STARTTLS_fail, rserver_STARTTLS_disable, recv_client_command_TURN, recv_client_command_ETRN, send_server_ehlo, fail_to_save_client_ehlo, aflex_mail_fail, drop_server_ehlo_ok, client_ehlo_saved

2.120.182 slb smtp oper

Operational Status for the object smtp

smtp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smtp
Element URI	/axapi/v3/slb/smtp/oper
Element Attributes	smtp_attributes
Partition Visibility	None
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/smtp/oper

smtp attributes

Get Object

GET

/axapi/v3/slb/smtp/oper

smtp attributes

Modify Object

POST

/axapi/v3/slb/smtp/oper

smtp attributes

Replace Object

PUT

/axapi/v3/slb/smtp/oper

smtp attributes

Delete Object

DELETE

/axapi/v3/slb/smtp/oper

smtp attributes

smtp attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

smtp-cpu-list

Type: List

oper_smtp-cpu-list

Specification	Value
Type	*list*
Block object keys	

Aflex_lb_reselect

Description

Type: number

Aflex_lb_reselect_ok

Description

Type: number

Aflex_switch

Description

Type: number

Aflex_switch_ok

Description

Type: number

L4_switch

Description

Type: number

LB_switch

Description

Type: number

LB_switch_ok

Description

Type: number

TLS_established

Description

Type: number

aflex_mail_fail

Description

Type: number

client_domain_switch

Description

Type: number

client_domain_switch_ok

Description

Type: number

client_ehlo_saved

Description

Type: number

client_reset

Description

Type: number

curr_proxy

Description

Type: number

drop_server_ehlo_ok

Description

Type: number

fail_to_save_client_ehlo

Description

Type: number

forward_req_data_fail

Description

Type: number

forward_req_fail

Description

Type: number

get_all_headers_fail

Description

Type: number

insert_resonse_line_fail

Description

Type: number

line_across_packet

Description

Type: number

line_extend

Description

Type: number

line_extend_fail

Description

Type: number

line_table_extend

Description

Type: number

line_table_extend_fail

Description

Type: number

line_too_long

Description

Type: number

new_server_conn

Description

Type: number

no_proxy

Description

Type: number

no_tuple

Description

Type: number

parse_req_fail

Description

Type: number

parse_request_line_fail

Description

Type: number

parse_resonse_line_fail

Description

Type: number

read_request_line_fail

Description

Type: number

recv_client_command_DATA

Description

Type: number

recv_client_command_EHLO

Description

Type: number

recv_client_command_ETRN

Description

Type: number

recv_client_command_EXPN

Description

Type: number

recv_client_command_HELO

Description

Type: number

recv_client_command_HELP

Description

Type: number

recv_client_command_MAIL

Description

Type: number

recv_client_command_NOOP

Description

Type: number

recv_client_command_QUIT

Description

Type: number

recv_client_command_RCPT

Description

Type: number

recv_client_command_RSET

Description

Type: number

recv_client_command_STARTTLS

Description

Type: number

recv_client_command_TURN

Description

Type: number

recv_client_command_VRFY

Description

Type: number

recv_client_command_others

Description

Type: number

recv_server_service_not_ready

Description

Type: number

recv_server_unknow_reply_code

Description

Type: number

remove_resonse_line_fail

Description

Type: number

req_ofo

Description

Type: number

req_retran

Description

Type: number

request

Description

Type: number

request_success

Description

Type: number

rserver_STARTTLS_disable

Description

Type: number

send_client_TLS_not_available

Description

Type: number

send_client_close_connection

Description

Type: number

send_client_go_ahead

Description

Type: number

send_client_no_command

Description

Type: number

send_client_service_not_ready

Description

Type: number

send_client_service_ready

Description

Type: number

send_client_start_TLS_first

Description

Type: number

send_server_cmd_reset

Description

Type: number

send_server_ehlo

Description

Type: number

server_STARTTLS_fail

Description

Type: number

server_STARTTLS_init

Description

Type: number

server_prem_close

Description

Type: number

server_reselect

Description

Type: number

server_reset

Description

Type: number

server_select_fail

Description

Type: number

snat_fail

Description

Type: number

tcp_out_reset

Description

Type: number

too_many_headers

Description

Type: number

total_proxy

Description

Type: number

2.120.183 slb smtp stats

Statistics for the object smtp

smtp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smtp
Element URI	/axapi/v3/slb/smtp/stats
Element Attributes	smtp_attributes
Partition Visibility	None
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/smtp/stats

smtp attributes

Get Object

GET

/axapi/v3/slb/smtp/stats

smtp attributes

Modify Object

POST

/axapi/v3/slb/smtp/stats

smtp attributes

Replace Object

PUT

/axapi/v3/slb/smtp/stats

smtp attributes

Delete Object

DELETE

/axapi/v3/slb/smtp/stats

smtp attributes

smtp attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

Aflex_lb_reselect

Description aFleX lb reselect

Type: number

Format: counter

Aflex_lb_reselect_ok

Description aFleX lb reselect (succ)

Type: number

Format: counter

Aflex_switch

Description aFleX switching

Type: number

Format: counter

Aflex_switch_ok

Description aFleX switching (succ)

Type: number

Format: counter

L4_switch

Description L4 switching

Type: number

Format: counter

LB_switch

Description LB switching

Type: number

Format: counter

LB_switch_ok

Description LB switching (succ)

Type: number

Format: counter

TLS_established

Description SSL session established

Type: number

Format: counter

aflex_mail_fail

Description aFlex Mail event failed

Type: number

Format: counter

client_domain_switch

Description Client domain switching

Type: number

Format: counter

client_domain_switch_ok

Description Client domain sw (succ)

Type: number

Format: counter

client_ehlo_saved

Description Client EHLO saved

Type: number

Format: counter

client_reset

Description Client reset

Type: number

Format: counter

curr_proxy

Description Current proxy conns

Type: number

Format: counter

drop_server_ehlo_ok

Description Server EHLO_OK dropped

Type: number

Format: counter

fail_to_save_client_ehlo

Description Failed to save client EHLO

Type: number

Format: counter

forward_req_data_fail

Description Forward REQ data failure

Type: number

Format: counter

forward_req_fail

Description Forward request failure

Type: number

Format: counter

get_all_headers_fail

Description Get all headers fail

Type: number

Format: counter

insert_resonse_line_fail

Description Ins response line fail

Type: number

Format: counter

line_across_packet

Description Line across packets

Type: number

Format: counter

line_extend

Description Line extend

Type: number

Format: counter

line_extend_fail

Description Line extend fail

Type: number

Format: counter

line_table_extend

Description Table extend

Type: number

Format: counter

line_table_extend_fail

Description Table extend fail

Type: number

Format: counter

line_too_long

Description Line too long

Type: number

Format: counter

new_server_conn

Description Server connection made

Type: number

Format: counter

no_proxy

Description No proxy error

Type: number

Format: counter

no_tuple

Description No tuple error

Type: number

Format: counter

parse_req_fail

Description Parse request failure

Type: number

Format: counter

parse_request_line_fail

Description Parse request line fail

Type: number

Format: counter

parse_resonse_line_fail

Description Parse response line fail

Type: number

Format: counter

read_request_line_fail

Description Read request line fail

Type: number

Format: counter

recv_client_command_DATA

Description Recv client DATA

Type: number

Format: counter

recv_client_command_EHLO

Description Recv client EHLO

Type: number

Format: counter

recv_client_command_ETRN

Description Recv client ETRN

Type: number

Format: counter

recv_client_command_EXPN

Description Recv client EXPN

Type: number

Format: counter

recv_client_command_HELO

Description Recv client HELO

Type: number

Format: counter

recv_client_command_HELP

Description Recv client HELP

Type: number

Format: counter

recv_client_command_MAIL

Description Recv client MAIL

Type: number

Format: counter

recv_client_command_NOOP

Description Recv client NOOP

Type: number

Format: counter

recv_client_command_QUIT

Description Recv client QUIT

Type: number

Format: counter

recv_client_command_RCPT

Description Recv client RCPT

Type: number

Format: counter

recv_client_command_RSET

Description Recv client RSET

Type: number

Format: counter

recv_client_command_STARTTLS

Description Recv client STARTTLS

Type: number

Format: counter

recv_client_command_TURN

Description Recv client TURN

Type: number

Format: counter

recv_client_command_VRFY

Description Recv client VRFY

Type: number

Format: counter

recv_client_command_others

Description Recv client other cmds

Type: number

Format: counter

recv_server_service_not_ready

Description Recv server serv-not-rdy

Type: number

Format: counter

recv_server_unknow_reply_code

Description Recv server unknown-code

Type: number

Format: counter

remove_resonse_line_fail

Description Del response line fail

Type: number

Format: counter

req_ofo

Description Request pkt out-of-order

Type: number

Format: counter

req_retran

Description Request retransmit

Type: number

Format: counter

request

Description SMTP requests

Type: number

Format: counter

request_success

Description SMTP requests (success)

Type: number

Format: counter

rserver_STARTTLS_disable

Description real server not support STARTTLS

Type: number

Format: counter

send_client_TLS_not_available

Description Sent client TLS-not-aval

Type: number

Format: counter

send_client_close_connection

Description Sent client close-conn

Type: number

Format: counter

send_client_go_ahead

Description Sent client go-ahead

Type: number

Format: counter

send_client_no_command

Description Sent client no-such-cmd

Type: number

Format: counter

send_client_service_not_ready

Description Sent client serv-not-rdy

Type: number

Format: counter

send_client_service_ready

Description Sent client serv-rdy

Type: number

Format: counter

send_client_start_TLS_first

Description Sent client STARTTLS-1st

Type: number

Format: counter

send_server_cmd_reset

Description Sent server RSET

Type: number

Format: counter

send_server_ehlo

Description Proxy sends server EHLO

Type: number

Format: counter

server_STARTTLS_fail

Description Server side STARTTLS fail

Type: number

Format: counter

server_STARTTLS_init

Description Init server side STARTTLS

Type: number

Format: counter

server_prem_close

Description Server premature close

Type: number

Format: counter

server_reselect

Description Server reselection

Type: number

Format: counter

server_reset

Description Server reset

Type: number

Format: counter

server_select_fail

Description Server selection failure

Type: number

Format: counter

snat_fail

Description Source NAT failure

Type: number

Format: counter

tcp_out_reset

Description TCP out reset

Type: number

Format: counter

too_many_headers

Description Too many headers

Type: number

Format: counter

total_proxy

Description Total proxy conns

Type: number

Format: counter

2.120.184 slb spdy-proxy

Configure SPDY Proxy

spdy-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	spdy-proxy
Element URI	/axapi/v3/slb/spdy-proxy
Element Attributes	spdy-proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/spdy-proxy/stats
Operational Data URI	/axapi/v3/slb/spdy-proxy/oper
Schema	`spdy-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

```
POST /axapi/v3/slb/spdy-proxy
Payload:
{
    "spdy-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

```
GET /axapi/v3/slb/spdy-proxy
Reponse:
{
    "spdy-proxy": {
        "uuid": "5172a690-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/spdy-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

Replace Object

PUT

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

```
PUT /axapi/v3/slb/spdy-proxy
Payload:
{
    "spdy-proxy": {
        "sampling-enable": [
            {
                "counters1": "curr_proxy"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/spdy-proxy

spdy-proxy attributes

```
DELETE /axapi/v3/slb/spdy-proxy
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

spdy-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_proxy': Curr Proxy Conns; 'total_proxy': Total Proxy Conns; 'curr_http_proxy': Curr HTTP Proxy Conns; 'total_http_proxy': Total HTTP Proxy Conns; 'total_v2_proxy': Version 2 Streams; 'total_v3_proxy': Version 3 Streams; 'curr_stream': Curr Streams; 'total_stream': Total Streams; 'total_stream_succ': Streams(succ); 'client_rst': client_rst; 'server_rst': Server RST sent; 'client_goaway': client_goaway; 'server_goaway': Server GOAWAY sent; 'tcp_err': TCP sock error; 'inflate_ctx': Inflate context; 'deflate_ctx': Deflate context; 'ping_sent': PING sent; 'stream_not_found': STREAM not found; 'client_fin': Client FIN; 'server_fin': Server FIN; 'stream_close': Stream close; 'stream_err': Stream err; 'session_err': Session err; 'control_frame': Control frame received; 'syn_frame': SYN stream frame received; 'syn_reply_frame': SYN reply frame received; 'headers_frame': Headers frame received; 'settings_frame': Setting frame received; 'window_frame': Window update frame received; 'ping_frame': Ping frame received; 'data_frame': Data frame received; 'data_no_stream': Data no stream found; 'data_no_stream_no_goaway': Data no stream and no goaway; 'data_no_stream_goaway_close': Data no stream and no goaway and close session; 'est_cb_no_tuple': Est callback no tuple; 'data_cb_no_tuple': Data callback no tuple; 'ctx_alloc_fail': Context alloc fail; 'fin_close_session': FIN close session; 'server_rst_close_stream': Server RST close stream; 'stream_found': Stream found; 'close_stream_session_not_found': Close stream session not found; 'close_stream_stream_not_found': Close stream stream not found; 'close_stream_already_closed': Closing closed stream; 'close_stream_session_close': Stream close session close; 'close_session_already_closed': Closing closed session;

'max_concurrent_stream_limit': Max concurrent stream limit; 'stream_alloc_fail': Stream alloc fail; 'http_conn_alloc_fail': HTTP connection allocation fail; 'request_header_alloc_fail': Request/Header allocation fail; 'name_value_total_len_ex': Name value total length exceeded; 'name_value_zero_len': Name value zero name length; 'name_value_invalid_http_ver': Name value invalid http version; 'name_value_connection': Name value connection; 'name_value_keepalive': Name value keep alive; 'name_value_proxy_conn': Name value proxy-connection; 'name_value_trasnfer_encod': Name value transfer encoding; 'name_value_no_must_have': Name value no must have; 'decompress_fail': Decompress fail; 'syn_after_goaway': SYN after goaway; 'stream_lt_prev': Stream id less than previous; 'syn_stream_exist_or_even': Stream already exists; 'syn_unidir': Unidirectional SYN; 'syn_reply_alr_rcvd': SYN reply already received; 'client_rst_nostream': Close RST stream not found; 'window_no_stream': Window update no stream found; 'invalid_window_size': Invalid window size; 'unknown_control_frame': Unknown control frame; 'data_on_closed_stream': Data on closed stream; 'invalid_frame_size': Invalid frame size; 'invalid_version': Invalid version; 'header_after_session_close': Header after session close; 'compress_ctx_alloc_fail': Compression context allocation fail; 'header_compress_fail': Header compress fail; 'http_data_session_close': HTTP data session close; 'http_data_stream_not_found': HTTP data stream not found; 'close_stream_not_http_proxy': Close Stream not http-proxy; 'session_needs_requeue': Session needs requeue; 'new_stream_session_del': New Stream after Session delete; 'fin_stream_closed': HTTP FIN stream already closed; 'http_close_stream_closed': HTTP close stream already closed; 'http_err_stream_closed': HTTP error stream already closed; 'http_hdr_stream_close': HTTP header stream already closed; 'http_data_stream_close': HTTP data stream already closed; 'session_close': Session close;

Type: string

Supported Values: all, curr_proxy, total_proxy, curr_http_proxy, total_http_proxy, total_v2_proxy, total_v3_proxy, curr_stream, total_stream, total_stream_succ, client_rst, server_rst, client_goaway, server_goaway, tcp_err, inflate_ctx, deflate_ctx, ping_sent, stream_not_found, client_fin, server_fin, stream_close, stream_err, session_err, control_frame, syn_frame, syn_reply_frame, headers_frame, settings_frame, window_frame, ping_frame, data_frame, data_no_stream, data_no_stream_no_goaway, data_no_stream_goaway_close, est_cb_no_tuple, data_cb_no_tuple, ctx_alloc_fail, fin_close_session, server_rst_close_stream, stream_found, close_stream_session_not_found, close_stream_stream_not_found, close_stream_already_closed, close_stream_session_close, close_session_already_closed, max_concurrent_stream_limit, stream_alloc_fail, http_conn_alloc_fail, request_header_alloc_fail, name_value_total_len_ex, name_value_zero_len, name_value_invalid_http_ver, name_value_connection, name_value_keepalive, name_value_proxy_conn, name_value_trasnfer_encod, name_value_no_must_have, decompress_fail, syn_after_goaway, stream_lt_prev, syn_stream_exist_or_even, syn_unidir, syn_reply_alr_rcvd, client_rst_nostream, window_no_stream, invalid_window_size, unknown_control_frame, data_on_closed_stream, invalid_frame_size, invalid_version, header_after_session_close, compress_ctx_alloc_fail, header_compress_fail, http_data_session_close, http_data_stream_not_found, close_stream_not_http_proxy, session_needs_requeue, new_stream_session_del, fin_stream_closed, http_close_stream_closed, http_err_stream_closed, http_hdr_stream_close, http_data_stream_close, session_close

2.120.185 slb spdy-proxy oper

Operational Status for the object spdy-proxy

spdy-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	spdy-proxy
Element URI	/axapi/v3/slb/spdy-proxy/oper
Element Attributes	spdy-proxy_attributes
Partition Visibility	None
Schema	`spdy-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/spdy-proxy/oper

spdy-proxy attributes

Get Object

GET

/axapi/v3/slb/spdy-proxy/oper

spdy-proxy attributes

Modify Object

POST

/axapi/v3/slb/spdy-proxy/oper

spdy-proxy attributes

Replace Object

PUT

/axapi/v3/slb/spdy-proxy/oper

spdy-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/spdy-proxy/oper

spdy-proxy attributes

spdy-proxy attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

l4-cpu-list

Type: List

oper_l4-cpu-list

Specification	Value
Type	*list*
Block object keys	

client_fin

Description

Type: number

client_goaway

Description

Type: number

client_rst

Description

Type: number

client_rst_nostream

Description

Type: number

close_session_already_closed

Description

Type: number

close_stream_already_closed

Description

Type: number

close_stream_not_http_proxy

Description

Type: number

close_stream_session_close

Description

Type: number

close_stream_session_not_found

Description

Type: number

close_stream_stream_not_found

Description

Type: number

compress_ctx_alloc_fail

Description

Type: number

control_frame

Description

Type: number

ctx_alloc_fail

Description

Type: number

curr_http_proxy

Description

Type: number

curr_proxy

Description

Type: number

curr_stream

Description

Type: number

data_cb_no_tuple

Description

Type: number

data_frame

Description

Type: number

data_no_stream

Description

Type: number

data_no_stream_goaway_close

Description

Type: number

data_no_stream_no_goaway

Description

Type: number

data_on_closed_stream

Description

Type: number

decompress_fail

Description

Type: number

deflate_ctx

Description

Type: number

est_cb_no_tuple

Description

Type: number

fin_close_session

Description

Type: number

fin_stream_closed

Description

Type: number

header_after_session_close

Description

Type: number

header_compress_fail

Description

Type: number

headers_frame

Description

Type: number

http_close_stream_closed

Description

Type: number

http_conn_alloc_fail

Description

Type: number

http_data_session_close

Description

Type: number

http_data_stream_close

Description

Type: number

http_data_stream_not_found

Description

Type: number

http_err_stream_closed

Description

Type: number

http_hdr_stream_close

Description

Type: number

inflate_ctx

Description

Type: number

invalid_frame_size

Description

Type: number

invalid_version

Description

Type: number

invalid_window_size

Description

Type: number

max_concurrent_stream_limit

Description

Type: number

name_value_connection

Description

Type: number

name_value_invalid_http_ver

Description

Type: number

name_value_keepalive

Description

Type: number

name_value_no_must_have

Description

Type: number

name_value_proxy_conn

Description

Type: number

name_value_total_len_ex

Description

Type: number

name_value_trasnfer_encod

Description

Type: number

name_value_zero_len

Description

Type: number

new_stream_session_del

Description

Type: number

ping_frame

Description

Type: number

ping_sent

Description

Type: number

request_header_alloc_fail

Description

Type: number

server_fin

Description

Type: number

server_goaway

Description

Type: number

server_rst

Description

Type: number

server_rst_close_stream

Description

Type: number

session_close

Description

Type: number

session_err

Description

Type: number

session_needs_requeue

Description

Type: number

settings_frame

Description

Type: number

stream_alloc_fail

Description

Type: number

stream_close

Description

Type: number

stream_err

Description

Type: number

stream_found

Description

Type: number

stream_lt_prev

Description

Type: number

stream_not_found

Description

Type: number

syn_after_goaway

Description

Type: number

syn_frame

Description

Type: number

syn_reply_alr_rcvd

Description

Type: number

syn_reply_frame

Description

Type: number

syn_stream_exist_or_even

Description

Type: number

syn_unidir

Description

Type: number

tcp_err

Description

Type: number

total_http_proxy

Description

Type: number

total_proxy

Description

Type: number

total_stream

Description

Type: number

total_stream_succ

Description

Type: number

total_v2_proxy

Description

Type: number

total_v3_proxy

Description

Type: number

unknown_control_frame

Description

Type: number

window_frame

Description

Type: number

window_no_stream

Description

Type: number

2.120.186 slb spdy-proxy stats

Statistics for the object spdy-proxy

spdy-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	spdy-proxy
Element URI	/axapi/v3/slb/spdy-proxy/stats
Element Attributes	spdy-proxy_attributes
Partition Visibility	None
Schema	`spdy-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/spdy-proxy/stats

spdy-proxy attributes

Get Object

GET

/axapi/v3/slb/spdy-proxy/stats

spdy-proxy attributes

Modify Object

POST

/axapi/v3/slb/spdy-proxy/stats

spdy-proxy attributes

Replace Object

PUT

/axapi/v3/slb/spdy-proxy/stats

spdy-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/spdy-proxy/stats

spdy-proxy attributes

spdy-proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_fin

Description Client FIN

Type: number

Format: counter

client_goaway

Description

Type: number

Format: counter

client_rst

Description

Type: number

Format: counter

client_rst_nostream

Description Close RST stream not found

Type: number

Format: counter

close_session_already_closed

Description Closing closed session

Type: number

Format: counter

close_stream_already_closed

Description Closing closed stream

Type: number

Format: counter

close_stream_not_http_proxy

Description Close Stream not http-proxy

Type: number

Format: counter

close_stream_session_close

Description Stream close session close

Type: number

Format: counter

close_stream_session_not_found

Description Close stream session not found

Type: number

Format: counter

close_stream_stream_not_found

Description Close stream stream not found

Type: number

Format: counter

compress_ctx_alloc_fail

Description Compression context allocation fail

Type: number

Format: counter

control_frame

Description Control frame received

Type: number

Format: counter

ctx_alloc_fail

Description Context alloc fail

Type: number

Format: counter

curr_http_proxy

Description Curr HTTP Proxy Conns

Type: number

Format: counter

curr_proxy

Description Curr Proxy Conns

Type: number

Format: counter

curr_stream

Description Curr Streams

Type: number

Format: counter

data_cb_no_tuple

Description Data callback no tuple

Type: number

Format: counter

data_frame

Description Data frame received

Type: number

Format: counter

data_no_stream

Description Data no stream found

Type: number

Format: counter

data_no_stream_goaway_close

Description Data no stream and no goaway and close session

Type: number

Format: counter

data_no_stream_no_goaway

Description Data no stream and no goaway

Type: number

Format: counter

data_on_closed_stream

Description Data on closed stream

Type: number

Format: counter

decompress_fail

Description Decompress fail

Type: number

Format: counter

deflate_ctx

Description Deflate context

Type: number

Format: counter

est_cb_no_tuple

Description Est callback no tuple

Type: number

Format: counter

fin_close_session

Description FIN close session

Type: number

Format: counter

fin_stream_closed

Description HTTP FIN stream already closed

Type: number

Format: counter

header_after_session_close

Description Header after session close

Type: number

Format: counter

header_compress_fail

Description Header compress fail

Type: number

Format: counter

headers_frame

Description Headers frame received

Type: number

Format: counter

http_close_stream_closed

Description HTTP close stream already closed

Type: number

Format: counter

http_conn_alloc_fail

Description HTTP connection allocation fail

Type: number

Format: counter

http_data_session_close

Description HTTP data session close

Type: number

Format: counter

http_data_stream_close

Description HTTP data stream already closed

Type: number

Format: counter

http_data_stream_not_found

Description HTTP data stream not found

Type: number

Format: counter

http_err_stream_closed

Description HTTP error stream already closed

Type: number

Format: counter

http_hdr_stream_close

Description HTTP header stream already closed

Type: number

Format: counter

inflate_ctx

Description Inflate context

Type: number

Format: counter

invalid_frame_size

Description Invalid frame size

Type: number

Format: counter

invalid_version

Description Invalid version

Type: number

Format: counter

invalid_window_size

Description Invalid window size

Type: number

Format: counter

max_concurrent_stream_limit

Description Max concurrent stream limit

Type: number

Format: counter

name_value_connection

Description Name value connection

Type: number

Format: counter

name_value_invalid_http_ver

Description Name value invalid http version

Type: number

Format: counter

name_value_keepalive

Description Name value keep alive

Type: number

Format: counter

name_value_no_must_have

Description Name value no must have

Type: number

Format: counter

name_value_proxy_conn

Description Name value proxy-connection

Type: number

Format: counter

name_value_total_len_ex

Description Name value total length exceeded

Type: number

Format: counter

name_value_trasnfer_encod

Description Name value transfer encoding

Type: number

Format: counter

name_value_zero_len

Description Name value zero name length

Type: number

Format: counter

new_stream_session_del

Description New Stream after Session delete

Type: number

Format: counter

ping_frame

Description Ping frame received

Type: number

Format: counter

ping_sent

Description PING sent

Type: number

Format: counter

request_header_alloc_fail

Description Request/Header allocation fail

Type: number

Format: counter

server_fin

Description Server FIN

Type: number

Format: counter

server_goaway

Description Server GOAWAY sent

Type: number

Format: counter

server_rst

Description Server RST sent

Type: number

Format: counter

server_rst_close_stream

Description Server RST close stream

Type: number

Format: counter

session_close

Description Session close

Type: number

Format: counter

session_err

Description Session err

Type: number

Format: counter

session_needs_requeue

Description Session needs requeue

Type: number

Format: counter

settings_frame

Description Setting frame received

Type: number

Format: counter

stream_alloc_fail

Description Stream alloc fail

Type: number

Format: counter

stream_close

Description Stream close

Type: number

Format: counter

stream_err

Description Stream err

Type: number

Format: counter

stream_found

Description Stream found

Type: number

Format: counter

stream_lt_prev

Description Stream id less than previous

Type: number

Format: counter

stream_not_found

Description STREAM not found

Type: number

Format: counter

syn_after_goaway

Description SYN after goaway

Type: number

Format: counter

syn_frame

Description SYN stream frame received

Type: number

Format: counter

syn_reply_alr_rcvd

Description SYN reply already received

Type: number

Format: counter

syn_reply_frame

Description SYN reply frame received

Type: number

Format: counter

syn_stream_exist_or_even

Description Stream already exists

Type: number

Format: counter

syn_unidir

Description Unidirectional SYN

Type: number

Format: counter

tcp_err

Description TCP sock error

Type: number

Format: counter

total_http_proxy

Description Total HTTP Proxy Conns

Type: number

Format: counter

total_proxy

Description Total Proxy Conns

Type: number

Format: counter

total_stream

Description Total Streams

Type: number

Format: counter

total_stream_succ

Description Streams(succ)

Type: number

Format: counter

total_v2_proxy

Description Version 2 Streams

Type: number

Format: counter

total_v3_proxy

Description Version 3 Streams

Type: number

Format: counter

unknown_control_frame

Description Unknown control frame

Type: number

Format: counter

window_frame

Description Window update frame received

Type: number

Format: counter

window_no_stream

Description Window update no stream found

Type: number

Format: counter

2.120.187 slb sport-rate-limit

Configure source port rate-limit

sport-rate-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sport-rate-limit
Element URI	/axapi/v3/slb/sport-rate-limit
Element Attributes	sport-rate-limit_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/sport-rate-limit/stats
Schema	`sport-rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

```
POST /axapi/v3/slb/sport-rate-limit
Payload:
{
    "sport-rate-limit": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

```
GET /axapi/v3/slb/sport-rate-limit
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "sport-rate-limit": {
        "uuid": "5172ecc2-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/sport-rate-limit"
    }
}
```

Modify Object

POST

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

Replace Object

PUT

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

```
PUT /axapi/v3/slb/sport-rate-limit
Payload:
{
    "sport-rate-limit": {
        "sampling-enable": [
            {
                "counters1": "alloc_sport"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/sport-rate-limit

sport-rate-limit attributes

```
DELETE /axapi/v3/slb/sport-rate-limit
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

sport-rate-limit attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'alloc_sport': Alloc'd src port entry; 'alloc_sportip': Alloc'd src port-ip entry; 'freed_sport': Freed src port entry; 'freed_sportip': Freed src port-ip entry; 'total_drop': Total rate exceed drop; 'total_reset': Total rate exceed reset; 'total_log': Total log sent;

Type: string

Supported Values: all, alloc_sport, alloc_sportip, freed_sport, freed_sportip, total_drop, total_reset, total_log

2.120.188 slb sport-rate-limit stats

Statistics for the object sport-rate-limit

sport-rate-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sport-rate-limit
Element URI	/axapi/v3/slb/sport-rate-limit/stats
Element Attributes	sport-rate-limit_attributes
Partition Visibility	None
Schema	`sport-rate-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/sport-rate-limit/stats

sport-rate-limit attributes

Get Object

GET

/axapi/v3/slb/sport-rate-limit/stats

sport-rate-limit attributes

Modify Object

POST

/axapi/v3/slb/sport-rate-limit/stats

sport-rate-limit attributes

Replace Object

PUT

/axapi/v3/slb/sport-rate-limit/stats

sport-rate-limit attributes

Delete Object

DELETE

/axapi/v3/slb/sport-rate-limit/stats

sport-rate-limit attributes

sport-rate-limit attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

alloc_sport

Description Alloc'd src port entry

Type: number

Format: counter

alloc_sportip

Description Alloc'd src port-ip entry

Type: number

Format: counter

freed_sport

Description Freed src port entry

Type: number

Format: counter

freed_sportip

Description Freed src port-ip entry

Type: number

Format: counter

total_drop

Description Total rate exceed drop

Type: number

Format: counter

total_log

Description Total log sent

Type: number

Format: counter

total_reset

Description Total rate exceed reset

Type: number

Format: counter

2.120.189 slb ssl

SSL commands

ssl Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	ssl
Element URI	/axapi/v3/slb/ssl
Element Attributes	ssl_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/ssl/stats
Schema	`ssl schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/ssl

ssl_attributes

ssl attributes

sni-automap-attributes

Description: sni-automap-attributes is a **JSON Block**. Please see below for *sni-automap-attributes*

Type: Object

Reference Object: */axapi/v3/slb/ssl/sni-automap-attributes*

sni-automap-attributes

Specification	Value
Type	*object*

sni-delete-factor

Description Contexts are deleted in groups of this value. Default is 50

Type: number

Range: 1-10000

Default: 50

sni-lower-limit

Description Lower limit for free SNI contexts count. Default is 500

Type: number

Range: 1-65536

Default: 500

sni-upper-limit

Description Upper limit for free SNI contexts count. Default is 2000

Type: number

Range: 1-65536

Default: 2000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.190 slb ssl-acme-cert-log oper

Operational Status for the object ssl-acme-cert-log

ssl-acme-cert-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-acme-cert-log
Element URI	/axapi/v3/slb/ssl-acme-cert-log/oper
Element Attributes	ssl-acme-cert-log_attributes
Partition Visibility	None
Schema	`ssl-acme-cert-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-acme-cert-log/oper

ssl-acme-cert-log attributes

Get Object

GET

/axapi/v3/slb/ssl-acme-cert-log/oper

ssl-acme-cert-log attributes

Modify Object

POST

/axapi/v3/slb/ssl-acme-cert-log/oper

ssl-acme-cert-log attributes

Replace Object

PUT

/axapi/v3/slb/ssl-acme-cert-log/oper

ssl-acme-cert-log attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-acme-cert-log/oper

ssl-acme-cert-log attributes

ssl-acme-cert-log attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

acme-log-list

Type: List

acme-log-offset

Description

Type: number

acme-log-over

Description

Type: number

follow

Description

Type: boolean

Supported Values: true, false, 1, 0

from-start

Description

Type: boolean

Supported Values: true, false, 1, 0

name

Description

Type: string

num-lines

Description

Type: number

oper_acme-log-list

Specification	Value
Type	*list*
Block object keys	

acme-log-data

Description

Type: string

2.120.191 slb ssl-acme-cert-status oper

Operational Status for the object ssl-acme-cert-status

ssl-acme-cert-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-acme-cert-status
Element URI	/axapi/v3/slb/ssl-acme-cert-status/oper
Element Attributes	ssl-acme-cert-status_attributes
Partition Visibility	None
Schema	`ssl-acme-cert-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-acme-cert-status/oper

ssl-acme-cert-status attributes

Get Object

GET

/axapi/v3/slb/ssl-acme-cert-status/oper

ssl-acme-cert-status attributes

Modify Object

POST

/axapi/v3/slb/ssl-acme-cert-status/oper

ssl-acme-cert-status attributes

Replace Object

PUT

/axapi/v3/slb/ssl-acme-cert-status/oper

ssl-acme-cert-status attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-acme-cert-status/oper

ssl-acme-cert-status attributes

ssl-acme-cert-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

acme-certs

Type: List

oper_acme-certs

Specification	Value
Type	*list*
Block object keys	

last-enroll-renew-status

Description

Type: string

name

Description

Type: string

renew

Description

Type: string

rotated

Description

Type: number

status

Description

Type: string

2.120.192 slb ssl-ca-cert oper

Operational Status for the object ssl-ca-cert

ssl-ca-cert Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-ca-cert
Element URI	/axapi/v3/slb/ssl-ca-cert/oper
Element Attributes	ssl-ca-cert_attributes
Partition Visibility	None
Schema	`ssl-ca-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-ca-cert/oper

ssl-ca-cert attributes

Get Object

GET

/axapi/v3/slb/ssl-ca-cert/oper

ssl-ca-cert attributes

Modify Object

POST

/axapi/v3/slb/ssl-ca-cert/oper

ssl-ca-cert attributes

Replace Object

PUT

/axapi/v3/slb/ssl-ca-cert/oper

ssl-ca-cert attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-ca-cert/oper

ssl-ca-cert attributes

ssl-ca-cert attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

exact-match

Description

Type: boolean

Supported Values: true, false, 1, 0

partition

Description

Type: string

sortby-exp

Description

Type: boolean

Supported Values: true, false, 1, 0

sortby-name

Description

Type: boolean

Supported Values: true, false, 1, 0

ssl-certs

Type: List

oper_ssl-certs

Specification	Value
Type	*list*
Block object keys	

common-name

Description

Type: string

issuer

Description

Type: string

keysize

Description

Type: number

name

Description

Type: string

notafter

Description

Type: string

notafter-number

Description

Type: number

notbefore

Description

Type: string

organization

Description

Type: string

serial

Description

Type: string

status

Description

Type: string

subject

Description

Type: string

type

Description

Type: string

2.120.193 slb ssl-cert-expire-check oper

Operational Status for the object ssl-cert-expire-check

ssl-cert-expire-check Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cert-expire-check
Element URI	/axapi/v3/slb/ssl-cert-expire-check/oper
Element Attributes	ssl-cert-expire-check_attributes
Partition Visibility	None
Schema	`ssl-cert-expire-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-expire-check/oper

ssl-cert-expire-check attributes

Get Object

GET

/axapi/v3/slb/ssl-cert-expire-check/oper

ssl-cert-expire-check attributes

Modify Object

POST

/axapi/v3/slb/ssl-cert-expire-check/oper

ssl-cert-expire-check attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-expire-check/oper

ssl-cert-expire-check attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-expire-check/oper

ssl-cert-expire-check attributes

ssl-cert-expire-check attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

before

Description

Type: number

email-address

Description

Type: string

email-address2

Description

Type: string

expire-check-status

Description

Type: string

Supported Values: Enabled, Disabled

interval

Description

Type: number

ssl-exception

Type: List

oper_ssl-exception

Specification	Value
Type	*list*
Block object keys	

exception-cert

Description

Type: string

2.120.194 slb ssl-cert oper

Operational Status for the object ssl-cert

ssl-cert Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cert
Element URI	/axapi/v3/slb/ssl-cert/oper
Element Attributes	ssl-cert_attributes
Partition Visibility	None
Schema	`ssl-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert/oper

ssl-cert attributes

Get Object

GET

/axapi/v3/slb/ssl-cert/oper

ssl-cert attributes

Modify Object

POST

/axapi/v3/slb/ssl-cert/oper

ssl-cert attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert/oper

ssl-cert attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cert/oper

ssl-cert attributes

ssl-cert attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

exact-match

Description

Type: boolean

Supported Values: true, false, 1, 0

partition

Description

Type: string

sortby-exp

Description

Type: boolean

Supported Values: true, false, 1, 0

sortby-name

Description

Type: boolean

Supported Values: true, false, 1, 0

ssl-certs

Type: List

oper_ssl-certs

Specification	Value
Type	*list*
Block object keys	

common-name

Description

Type: string

issuer

Description

Type: string

keysize

Description

Type: number

name

Description

Type: string

notafter

Description

Type: string

notafter-number

Description

Type: number

notbefore

Description

Type: string

organization

Description

Type: string

serial

Description

Type: string

status

Description

Type: string

subject

Description

Type: string

type

Description

Type: string

2.120.195 slb ssl-cert-pinning-candidate-list

ssl cert pinning candidate list

ssl-cert-pinning-candidate-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cert-pinning-candidate-list
Element URI	/axapi/v3/slb/ssl-cert-pinning-candidate-list
Element Attributes	ssl-cert-pinning-candidate-list_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/ssl-cert-pinning-candidate-list/oper
Schema	`ssl-cert-pinning-candidate-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

Get Object

GET

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

Modify Object

POST

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list attributes

ssl-cert-pinning-candidate-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.196 slb ssl-cert-pinning-candidate-list oper

Operational Status for the object ssl-cert-pinning-candidate-list

ssl-cert-pinning-candidate-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cert-pinning-candidate-list
Element URI	/axapi/v3/slb/ssl-cert-pinning-candidate-list/oper
Element Attributes	ssl-cert-pinning-candidate-list_attributes
Partition Visibility	None
Schema	`ssl-cert-pinning-candidate-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-pinning-candidate-list/oper

ssl-cert-pinning-candidate-list attributes

Get Object

GET

/axapi/v3/slb/ssl-cert-pinning-candidate-list/oper

ssl-cert-pinning-candidate-list attributes

Modify Object

POST

/axapi/v3/slb/ssl-cert-pinning-candidate-list/oper

ssl-cert-pinning-candidate-list attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-pinning-candidate-list/oper

ssl-cert-pinning-candidate-list attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-pinning-candidate-list/oper

ssl-cert-pinning-candidate-list attributes

ssl-cert-pinning-candidate-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

all

Description

Type: boolean

Supported Values: true, false, 1, 0

alphabet-order

Description

Type: boolean

Supported Values: true, false, 1, 0

bypassed

Description

Type: boolean

Supported Values: true, false, 1, 0

candidate-list

Type: List

central-list

Description

Type: boolean

Supported Values: true, false, 1, 0

local-list

Description

Type: boolean

Supported Values: true, false, 1, 0

mid-request

Description

Type: boolean

Supported Values: true, false, 1, 0

server-name

Description

Type: string

stats-only

Description

Type: boolean

Supported Values: true, false, 1, 0

oper_candidate-list

Specification	Value
Type	*list*
Block object keys	

bypass-count

Description

Type: number

conn-failure-count

Description

Type: number

list-type

Description

Type: string

servername

Description

Type: string

ttl

Description

Type: number

2.120.197 slb ssl-cert-revoke

Configure ssl-cert-revoke-stats

ssl-cert-revoke Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cert-revoke
Element URI	/axapi/v3/slb/ssl-cert-revoke
Element Attributes	ssl-cert-revoke_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/ssl-cert-revoke/stats
Operational Data URI	/axapi/v3/slb/ssl-cert-revoke/oper
Schema	`ssl-cert-revoke schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

```
POST /axapi/v3/slb/ssl-cert-revoke
Payload:
{
    "ssl-cert-revoke": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

```
GET /axapi/v3/slb/ssl-cert-revoke
Reponse:
{
    "ssl-cert-revoke": {
        "uuid": "51723d86-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/ssl-cert-revoke"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

```
PUT /axapi/v3/slb/ssl-cert-revoke
Payload:
{
    "ssl-cert-revoke": {
        "sampling-enable": [
            {
                "counters1": "ocsp_stapling_response_good"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-revoke

ssl-cert-revoke attributes

```
DELETE /axapi/v3/slb/ssl-cert-revoke
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl-cert-revoke attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ocsp_stapling_response_good': OCSP stapling response good; 'ocsp_chain_status_good': Certificate chain status good; 'ocsp_chain_status_revoked': Certificate chain status revoked; 'ocsp_chain_status_unknown': Certificate chain status unknown; 'ocsp_request': OCSP requests; 'ocsp_response': OCSP responses; 'ocsp_connection_error': OCSP connection error; 'ocsp_uri_not_found': OCSP URI not found; 'ocsp_uri_https': Log OCSP URI https; 'ocsp_uri_unsupported': OCSP URI unsupported; 'ocsp_response_status_good': OCSP response status good; 'ocsp_response_status_revoked': OCSP response status revoked; 'ocsp_response_status_unknown': OCSP response status unknown; 'ocsp_cache_status_good': OCSP cache status good; 'ocsp_cache_status_revoked': OCSP cache status revoked; 'ocsp_cache_miss': OCSP cache miss; 'ocsp_cache_expired': OCSP cache expired; 'ocsp_other_error': Log OCSP other errors; 'ocsp_response_no_nonce': Log OCSP other errors; 'ocsp_response_nonce_error': Log OCSP other errors; 'crl_request': CRL requests; 'crl_response': CRL responses; 'crl_connection_error': CRL connection errors; 'crl_uri_not_found': CRL URI not found; 'crl_uri_https': CRL URI https; 'crl_uri_unsupported': CRL URI unsupported; 'crl_response_status_good': CRL response status good; 'crl_response_status_revoked': CRL response status revoked; 'crl_response_status_unknown': CRL response status unknown; 'crl_cache_status_good': CRL cache status good; 'crl_cache_status_revoked': CRL cache status revoked; 'crl_other_error': CRL other errors;

Type: string

Supported Values: all, ocsp_stapling_response_good, ocsp_chain_status_good, ocsp_chain_status_revoked, ocsp_chain_status_unknown, ocsp_request, ocsp_response, ocsp_connection_error, ocsp_uri_not_found, ocsp_uri_https, ocsp_uri_unsupported, ocsp_response_status_good, ocsp_response_status_revoked, ocsp_response_status_unknown, ocsp_cache_status_good, ocsp_cache_status_revoked, ocsp_cache_miss, ocsp_cache_expired, ocsp_other_error, ocsp_response_no_nonce, ocsp_response_nonce_error, crl_request, crl_response, crl_connection_error, crl_uri_not_found, crl_uri_https, crl_uri_unsupported, crl_response_status_good, crl_response_status_revoked, crl_response_status_unknown, crl_cache_status_good, crl_cache_status_revoked, crl_other_error

2.120.198 slb ssl-cert-revoke oper

Operational Status for the object ssl-cert-revoke

ssl-cert-revoke Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cert-revoke
Element URI	/axapi/v3/slb/ssl-cert-revoke/oper
Element Attributes	ssl-cert-revoke_attributes
Partition Visibility	None
Schema	`ssl-cert-revoke schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-revoke/oper

ssl-cert-revoke attributes

Get Object

GET

/axapi/v3/slb/ssl-cert-revoke/oper

ssl-cert-revoke attributes

Modify Object

POST

/axapi/v3/slb/ssl-cert-revoke/oper

ssl-cert-revoke attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-revoke/oper

ssl-cert-revoke attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-revoke/oper

ssl-cert-revoke attributes

ssl-cert-revoke attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

port

Description DELETE method filter: Virtual Port

Type: number

vserver

Description DELETE method filter: Virtual Server Name

Type: string

2.120.199 slb ssl-cert-revoke stats

Statistics for the object ssl-cert-revoke

ssl-cert-revoke Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cert-revoke
Element URI	/axapi/v3/slb/ssl-cert-revoke/stats
Element Attributes	ssl-cert-revoke_attributes
Partition Visibility	None
Schema	`ssl-cert-revoke schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-revoke/stats

ssl-cert-revoke attributes

Get Object

GET

/axapi/v3/slb/ssl-cert-revoke/stats

ssl-cert-revoke attributes

Modify Object

POST

/axapi/v3/slb/ssl-cert-revoke/stats

ssl-cert-revoke attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-revoke/stats

ssl-cert-revoke attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-revoke/stats

ssl-cert-revoke attributes

ssl-cert-revoke attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

crl_cache_status_good

Description CRL cache status good

Type: number

Format: counter

crl_cache_status_revoked

Description CRL cache status revoked

Type: number

Format: counter

crl_connection_error

Description CRL connection errors

Type: number

Format: counter

crl_other_error

Description CRL other errors

Type: number

Format: counter

crl_request

Description CRL requests

Type: number

Format: counter

crl_response

Description CRL responses

Type: number

Format: counter

crl_response_status_good

Description CRL response status good

Type: number

Format: counter

crl_response_status_revoked

Description CRL response status revoked

Type: number

Format: counter

crl_response_status_unknown

Description CRL response status unknown

Type: number

Format: counter

crl_uri_https

Description CRL URI https

Type: number

Format: counter

crl_uri_not_found

Description CRL URI not found

Type: number

Format: counter

crl_uri_unsupported

Description CRL URI unsupported

Type: number

Format: counter

ocsp_cache_expired

Description OCSP cache expired

Type: number

Format: counter

ocsp_cache_miss

Description OCSP cache miss

Type: number

Format: counter

ocsp_cache_status_good

Description OCSP cache status good

Type: number

Format: counter

ocsp_cache_status_revoked

Description OCSP cache status revoked

Type: number

Format: counter

ocsp_chain_status_good

Description Certificate chain status good

Type: number

Format: counter

ocsp_chain_status_revoked

Description Certificate chain status revoked

Type: number

Format: counter

ocsp_chain_status_unknown

Description Certificate chain status unknown

Type: number

Format: counter

ocsp_connection_error

Description OCSP connection error

Type: number

Format: counter

ocsp_other_error

Description Log OCSP other errors

Type: number

Format: counter

ocsp_request

Description OCSP requests

Type: number

Format: counter

ocsp_response

Description OCSP responses

Type: number

Format: counter

ocsp_response_no_nonce

Description Log OCSP other errors

Type: number

Format: counter

ocsp_response_nonce_error

Description Log OCSP other errors

Type: number

Format: counter

ocsp_response_status_good

Description OCSP response status good

Type: number

Format: counter

ocsp_response_status_revoked

Description OCSP response status revoked

Type: number

Format: counter

ocsp_response_status_unknown

Description OCSP response status unknown

Type: number

Format: counter

ocsp_stapling_response_good

Description OCSP stapling response good

Type: number

Format: counter

ocsp_uri_https

Description Log OCSP URI https

Type: number

Format: counter

ocsp_uri_not_found

Description OCSP URI not found

Type: number

Format: counter

ocsp_uri_unsupported

Description OCSP URI unsupported

Type: number

Format: counter

2.120.200 slb ssl-cert-stats oper

Operational Status for the object ssl-cert-stats

ssl-cert-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cert-stats
Element URI	/axapi/v3/slb/ssl-cert-stats/oper
Element Attributes	ssl-cert-stats_attributes
Partition Visibility	None
Schema	`ssl-cert-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cert-stats/oper

ssl-cert-stats attributes

Get Object

GET

/axapi/v3/slb/ssl-cert-stats/oper

ssl-cert-stats attributes

Modify Object

POST

/axapi/v3/slb/ssl-cert-stats/oper

ssl-cert-stats attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cert-stats/oper

ssl-cert-stats attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cert-stats/oper

ssl-cert-stats attributes

ssl-cert-stats attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

ca-cert-count

Description

Type: number

cert-count

Description

Type: number

key-count

Description

Type: number

partition

Description

Type: string

2.120.201 slb ssl-cmp-cert-log oper

Operational Status for the object ssl-cmp-cert-log

ssl-cmp-cert-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cmp-cert-log
Element URI	/axapi/v3/slb/ssl-cmp-cert-log/oper
Element Attributes	ssl-cmp-cert-log_attributes
Partition Visibility	None
Schema	`ssl-cmp-cert-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cmp-cert-log/oper

ssl-cmp-cert-log attributes

Get Object

GET

/axapi/v3/slb/ssl-cmp-cert-log/oper

ssl-cmp-cert-log attributes

Modify Object

POST

/axapi/v3/slb/ssl-cmp-cert-log/oper

ssl-cmp-cert-log attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cmp-cert-log/oper

ssl-cmp-cert-log attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cmp-cert-log/oper

ssl-cmp-cert-log attributes

ssl-cmp-cert-log attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cmp-log-list

Type: List

cmp-log-offset

Description

Type: number

cmp-log-over

Description

Type: number

follow

Description

Type: boolean

Supported Values: true, false, 1, 0

from-start

Description

Type: boolean

Supported Values: true, false, 1, 0

name

Description

Type: string

num-lines

Description

Type: number

oper_cmp-log-list

Specification	Value
Type	*list*
Block object keys	

cmp-log-data

Description

Type: string

2.120.202 slb ssl-cmp-cert-status oper

Operational Status for the object ssl-cmp-cert-status

ssl-cmp-cert-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-cmp-cert-status
Element URI	/axapi/v3/slb/ssl-cmp-cert-status/oper
Element Attributes	ssl-cmp-cert-status_attributes
Partition Visibility	None
Schema	`ssl-cmp-cert-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-cmp-cert-status/oper

ssl-cmp-cert-status attributes

Get Object

GET

/axapi/v3/slb/ssl-cmp-cert-status/oper

ssl-cmp-cert-status attributes

Modify Object

POST

/axapi/v3/slb/ssl-cmp-cert-status/oper

ssl-cmp-cert-status attributes

Replace Object

PUT

/axapi/v3/slb/ssl-cmp-cert-status/oper

ssl-cmp-cert-status attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-cmp-cert-status/oper

ssl-cmp-cert-status attributes

ssl-cmp-cert-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cmp-certs

Type: List

oper_cmp-certs

Specification	Value
Type	*list*
Block object keys	

name

Description

Type: string

renew

Description

Type: string

rotated

Description

Type: number

status

Description

Type: string

2.120.203 slb ssl-counters oper

Operational Status for the object ssl-counters

ssl-counters Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-counters
Element URI	/axapi/v3/slb/ssl-counters/oper
Element Attributes	ssl-counters_attributes
Partition Visibility	None
Schema	`ssl-counters schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-counters/oper

ssl-counters attributes

Get Object

GET

/axapi/v3/slb/ssl-counters/oper

ssl-counters attributes

Modify Object

POST

/axapi/v3/slb/ssl-counters/oper

ssl-counters attributes

Replace Object

PUT

/axapi/v3/slb/ssl-counters/oper

ssl-counters attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-counters/oper

ssl-counters attributes

ssl-counters attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cert-vfy

Description Sent certificate verify for authentication

Type: number

cumulative-sessions

Description Cumulative SSL sessions

Type: number

downgraded

Description TLS version downgraded

Type: number

hs-avg-time

Description Average handshake time in milliseconds

Type: number

hs-failures

Description Total handshake failures

Type: number

kex-dhe-1024-failures

Description Failed 1024-bit DHE key exchanges

Type: number

kex-dhe-1024-successes

Description Successful 1024-bit DHE key exchanges

Type: number

kex-dhe-2048-failures

Description Failed 2048-bit DHE key exchanges

Type: number

kex-dhe-2048-successes

Description Successful 2048-bit DHE key exchanges

Type: number

kex-dhe-512-failures

Description Failed 512-bit DHE key exchanges

Type: number

kex-dhe-512-successes

Description Successful 512-bit DHE key exchanges

Type: number

kex-ecdhe-secp256r1-failures

Description Failed secp256r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp256r1-successes

Description Successful secp256r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp384r1-failures

Description Failed secp384r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp384r1-successes

Description Successful secp384r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp521r1-failures

Description Failed secp521r1 ECDHE key exchanges

Type: number

kex-ecdhe-secp521r1-successes

Description Successful secp521r1 ECDHE key exchanges

Type: number

kex-ecdhe-sm2-failures

Description Failed sm2p256v1 ECDHE key exchanges

Type: number

kex-ecdhe-sm2-successes

Description Successful sm2p256v1 ECDHE key exchanges

Type: number

kex-ecdhe-x25519-failures

Description Failed x25519 ECDHE key exchanges

Type: number

kex-ecdhe-x25519-successes

Description Successful x25519 ECDHE key exchanges

Type: number

kex-ecdhe-x448-failures

Description Failed x448 ECDHE key exchanges

Type: number

kex-ecdhe-x448-successes

Description Successful x448 ECDHE key exchanges

Type: number

kex-rsa-1024-failures

Description Failed 1024-bit RSA key exchanges

Type: number

kex-rsa-1024-successes

Description Successful 1024-bit RSA key exchanges

Type: number

kex-rsa-2048-failures

Description Failed 2048-bit RSA key exchanges

Type: number

kex-rsa-2048-successes

Description Successful 2048-bit RSA key exchanges

Type: number

kex-rsa-4096-failures

Description Failed 4096-bit RSA key exchanges

Type: number

kex-rsa-4096-successes

Description Successful 4096-bit RSA key exchanges

Type: number

kex-rsa-512-failures

Description Failed 512-bit RSA key exchanges

Type: number

kex-rsa-512-successes

Description Successful 512-bit RSA key exchanges

Type: number

port

Description Virtual Port

Type: number

renego-ssl2-failures

Description Failed SSL2 renegotiations

Type: number

renego-ssl2-successes

Description Successful SSL2 renegotiations

Type: number

renego-ssl3-failures

Description Failed SSL3 renegotiations

Type: number

renego-ssl3-successes

Description Successful SSL3 renegotiations

Type: number

renego-tls10-failures

Description Failed TLS1.0 renegotiations

Type: number

renego-tls10-successes

Description Successful TLS1.0 renegotiations

Type: number

renego-tls11-failures

Description Failed TLS1.1 renegotiations

Type: number

renego-tls11-successes

Description Successful TLS1.1 renegotiations

Type: number

renego-tls12-failures

Description Failed TLS1.2 renegotiations

Type: number

renego-tls12-successes

Description Successful TLS1.2 renegotiations

Type: number

renego-tls13-failures

Description Failed TLS1.3 renegotiations

Type: number

renego-tls13-successes

Description Successful TLS1.3 renegotiations

Type: number

renegotiation-total

Description Total renegotiations

Type: number

sess-cache-curr-conn

Description Session cache current connections

Type: number

sess-cache-hit

Description Session cache hits

Type: number

sess-cache-miss

Description Session cache misses

Type: number

sess-cache-new

Description Session cache new entries

Type: number

sess-cache-timeout

Description Session cache timeouts

Type: number

sni-automap-conn-closed

Description Conn closed before SNI auto mappings

Type: number

sni-automap-failures

Description Failed SNI auto mappings

Type: number

sni-automap-max-active-conn

Description Failed SNI auto map due to max active limit

Type: number

sni-automap-missing-cert

Description Failed SNI auto map due to missing cert/key

Type: number

sni-automap-successes

Description Successful SNI auto mappings

Type: number

sni-bypass-expired-cert

Description SNI bypass event due to certificate expired

Type: number

sni-bypass-explicit-list

Description SNI bypass event due to matched explicit bypass list

Type: number

sni-bypass-missing-cert

Description SNI bypass event due to missing cert/key

Type: number

ssl2-failures

Description Failed SSL2 connections

Type: number

ssl2-successes

Description Successful SSL2 connections

Type: number

ssl3-failures

Description Failed SSL3 connections

Type: number

ssl3-rsa-des-192-cbc3-sha-failures

Description SSL3_RSA_DES_192_CBC3_SHA Failures

Type: number

ssl3-rsa-des-192-cbc3-sha-id

Description SSL3_RSA_DES_192_CBC3_SHA Cipher ID

Type: string

ssl3-rsa-des-192-cbc3-sha-successes

Description SSL3_RSA_DES_192_CBC3_SHA Successes

Type: number

ssl3-rsa-des-40-cbc-sha-failures

Description SSL3_RSA_DES_40_CBC_SHA Failures

Type: number

ssl3-rsa-des-40-cbc-sha-id

Description SSL3_RSA_DES_40_CBC_SHA Cipher ID

Type: string

ssl3-rsa-des-40-cbc-sha-successes

Description SSL3_RSA_DES_40_CBC_SHA Successes

Type: number

ssl3-rsa-des-64-cbc-sha-failures

Description SSL3_RSA_DES_64_CBC_SHA Failures

Type: number

ssl3-rsa-des-64-cbc-sha-id

Description SSL3_RSA_DES_64_CBC_SHA Cipher ID

Type: string

ssl3-rsa-des-64-cbc-sha-successes

Description SSL3_RSA_DES_64_CBC_SHA Successes

Type: number

ssl3-rsa-rc4-128-md5-failures

Description SSL3_RSA_RC4_128_MD5 Failures

Type: number

ssl3-rsa-rc4-128-md5-id

Description SSL3_RSA_RC4_128_MD5 Cipher ID

Type: string

ssl3-rsa-rc4-128-md5-successes

Description SSL3_RSA_RC4_128_MD5 Successes

Type: number

ssl3-rsa-rc4-128-sha-failures

Description SSL3_RSA_RC4_128_SHA Failures

Type: number

ssl3-rsa-rc4-128-sha-id

Description SSL3_RSA_RC4_128_SHA Cipher ID

Type: string

ssl3-rsa-rc4-128-sha-successes

Description SSL3_RSA_RC4_128_SHA Successes

Type: number

ssl3-rsa-rc4-40-md5-failures

Description SSL3_RSA_RC4_40_MD5 Failures

Type: number

ssl3-rsa-rc4-40-md5-id

Description SSL3_RSA_RC4_40_MD5 Cipher ID

Type: string

ssl3-rsa-rc4-40-md5-successes

Description SSL3_RSA_RC4_40_MD5 Successes

Type: number

ssl3-successes

Description Successful SSL3 connections

Type: number

tls1-dhe-rsa-aes-128-gcm-sha256-failures

Description TLS1_DHE_RSA_AES_128_GCM_SHA256 Failures

Type: number

tls1-dhe-rsa-aes-128-gcm-sha256-id

Description TLS1_DHE_RSA_AES_128_GCM_SHA256 Cipher ID

Type: string

tls1-dhe-rsa-aes-128-gcm-sha256-successes

Description TLS1_DHE_RSA_AES_128_GCM_SHA256 Successes

Type: number

tls1-dhe-rsa-aes-128-sha-failures

Description TLS1_DHE_RSA_AES_128_SHA Failures

Type: number

tls1-dhe-rsa-aes-128-sha-id

Description TLS1_DHE_RSA_AES_128_SHA Cipher ID

Type: string

tls1-dhe-rsa-aes-128-sha-successes

Description TLS1_DHE_RSA_AES_128_SHA Successes

Type: number

tls1-dhe-rsa-aes-128-sha256-failures

Description TLS1_DHE_RSA_AES_128_SHA256 Failures

Type: number

tls1-dhe-rsa-aes-128-sha256-id

Description TLS1_DHE_RSA_AES_128_SHA256 Cipher ID

Type: string

tls1-dhe-rsa-aes-128-sha256-successes

Description TLS1_DHE_RSA_AES_128_SHA256 Successes

Type: number

tls1-dhe-rsa-aes-256-gcm-sha384-failures

Description TLS1_DHE_RSA_AES_256_GCM_SHA384 Failures

Type: number

tls1-dhe-rsa-aes-256-gcm-sha384-id

Description TLS1_DHE_RSA_AES_256_GCM_SHA384 Cipher ID

Type: string

tls1-dhe-rsa-aes-256-gcm-sha384-successes

Description TLS1_DHE_RSA_AES_256_GCM_SHA384 Successes

Type: number

tls1-dhe-rsa-aes-256-sha-failures

Description TLS1_DHE_RSA_AES_256_SHA Failures

Type: number

tls1-dhe-rsa-aes-256-sha-id

Description TLS1_DHE_RSA_AES_256_SHA Cipher ID

Type: string

tls1-dhe-rsa-aes-256-sha-successes

Description TLS1_DHE_RSA_AES_256_SHA Successes

Type: number

tls1-dhe-rsa-aes-256-sha256-failures

Description TLS1_DHE_RSA_AES_256_SHA256 Failures

Type: number

tls1-dhe-rsa-aes-256-sha256-id

Description TLS1_DHE_RSA_AES_256_SHA256 Cipher ID

Type: string

tls1-dhe-rsa-aes-256-sha256-successes

Description TLS1_DHE_RSA_AES_256_SHA256 Successes

Type: number

tls1-dhe-rsa-chacha20-poly1305-sha256-failures

Description TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher failures

Type: number

tls1-dhe-rsa-chacha20-poly1305-sha256-id

Description TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher ID

Type: string

tls1-dhe-rsa-chacha20-poly1305-sha256-successes

Description TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256 Cipher successes

Type: number

tls1-ecdhe-ecdsa-aes-128-gcm-sha256-failures

Description TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Failures

Type: number

tls1-ecdhe-ecdsa-aes-128-gcm-sha256-id

Description TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-128-gcm-sha256-successes

Description TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256 Successes

Type: number

tls1-ecdhe-ecdsa-aes-128-sha-failures

Description TLS1_ECDHE_ECDSA_AES_128_SHA Failures

Type: number

tls1-ecdhe-ecdsa-aes-128-sha-id

Description TLS1_ECDHE_ECDSA_AES_128_SHA Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-128-sha-successes

Description TLS1_ECDHE_ECDSA_AES_128_SHA Successes

Type: number

tls1-ecdhe-ecdsa-aes-128-sha256-failures

Description TLS1_ECDHE_ECDSA_AES_128_SHA256 Failures

Type: number

tls1-ecdhe-ecdsa-aes-128-sha256-id

Description TLS1_ECDHE_ECDSA_AES_128_SHA256 Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-128-sha256-successes

Description TLS1_ECDHE_ECDSA_AES_128_SHA256 Successes

Type: number

tls1-ecdhe-ecdsa-aes-256-gcm-sha384-failures

Description TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Failures

Type: number

tls1-ecdhe-ecdsa-aes-256-gcm-sha384-id

Description TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-256-gcm-sha384-successes

Description TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384 Successes

Type: number

tls1-ecdhe-ecdsa-aes-256-sha-failures

Description TLS1_ECDHE_ECDSA_AES_256_SHA Failures

Type: number

tls1-ecdhe-ecdsa-aes-256-sha-id

Description TLS1_ECDHE_ECDSA_AES_256_SHA Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-256-sha-successes

Description TLS1_ECDHE_ECDSA_AES_256_SHA Successes

Type: number

tls1-ecdhe-ecdsa-aes-256-sha384-failures

Description TLS1_ECDHE_ECDSA_AES_256_SHA384 Failures

Type: number

tls1-ecdhe-ecdsa-aes-256-sha384-id

Description TLS1_ECDHE_ECDSA_AES_256_SHA384 Cipher ID

Type: string

tls1-ecdhe-ecdsa-aes-256-sha384-successes

Description TLS1_ECDHE_ECDSA_AES_256_SHA384 Successes

Type: number

tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-failures

Description TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher failures

Type: number

tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-id

Description TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher ID

Type: string

tls1-ecdhe-ecdsa-chacha20-poly1305-sha256-successes

Description TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256 Cipher successes

Type: number

tls1-ecdhe-rsa-aes-128-gcm-sha256-failures

Description TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Failures

Type: number

tls1-ecdhe-rsa-aes-128-gcm-sha256-id

Description TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Cipher ID

Type: string

tls1-ecdhe-rsa-aes-128-gcm-sha256-successes

Description TLS1_ECDHE_RSA_AES_128_GCM_SHA256 Successes

Type: number

tls1-ecdhe-rsa-aes-128-sha-failures

Description TLS1_ECDHE_RSA_AES_128_SHA Failures

Type: number

tls1-ecdhe-rsa-aes-128-sha-id

Description TLS1_ECDHE_RSA_AES_128_SHA Cipher ID

Type: string

tls1-ecdhe-rsa-aes-128-sha-successes

Description TLS1_ECDHE_RSA_AES_128_SHA Successes

Type: number

tls1-ecdhe-rsa-aes-128-sha256-failures

Description TLS1_ECDHE_RSA_AES_128_SHA256 Failures

Type: number

tls1-ecdhe-rsa-aes-128-sha256-id

Description TLS1_ECDHE_RSA_AES_128_SHA256 Cipher ID

Type: string

tls1-ecdhe-rsa-aes-128-sha256-successes

Description TLS1_ECDHE_RSA_AES_128_SHA256 Successes

Type: number

tls1-ecdhe-rsa-aes-256-gcm-sha384-failures

Description TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Failures

Type: number

tls1-ecdhe-rsa-aes-256-gcm-sha384-id

Description TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Cipher ID

Type: string

tls1-ecdhe-rsa-aes-256-gcm-sha384-successes

Description TLS1_ECDHE_RSA_AES_256_GCM_SHA384 Successes

Type: number

tls1-ecdhe-rsa-aes-256-sha-failures

Description TLS1_ECDHE_RSA_AES_256_SHA Failures

Type: number

tls1-ecdhe-rsa-aes-256-sha-id

Description TLS1_ECDHE_RSA_AES_256_SHA Cipher ID

Type: string

tls1-ecdhe-rsa-aes-256-sha-successes

Description TLS1_ECDHE_RSA_AES_256_SHA Successes

Type: number

tls1-ecdhe-rsa-aes-256-sha384-failures

Description TLS1_ECDHE_RSA_AES_256_SHA384 Failures

Type: number

tls1-ecdhe-rsa-aes-256-sha384-id

Description TLS1_ECDHE_RSA_AES_256_SHA384 Cipher ID

Type: string

tls1-ecdhe-rsa-aes-256-sha384-successes

Description TLS1_ECDHE_RSA_AES_256_SHA384 Successes

Type: number

tls1-ecdhe-rsa-chacha20-poly1305-sha256-failures

Description TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher failures

Type: number

tls1-ecdhe-rsa-chacha20-poly1305-sha256-id

Description TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher ID

Type: string

tls1-ecdhe-rsa-chacha20-poly1305-sha256-successes

Description TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256 Cipher successes

Type: number

tls1-ecdhe-sm2-sms4-gcm-sm3-failures

Description TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 cipher failures

Type: number

tls1-ecdhe-sm2-sms4-gcm-sm3-id

Description TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 Cipher ID

Type: string

tls1-ecdhe-sm2-sms4-gcm-sm3-successes

Description TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3 cipher successes

Type: number

tls1-ecdhe-sm2-sms4-sha256-failures

Description TLS1_ECDHE_SM2_WITH_SMS4_SHA256 cipher failures

Type: number

tls1-ecdhe-sm2-sms4-sha256-id

Description TLS1_ECDHE_SM2_WITH_SMS4_SHA256 Cipher ID

Type: string

tls1-ecdhe-sm2-sms4-sha256-successes

Description TLS1_ECDHE_SM2_WITH_SMS4_SHA256 cipher successes

Type: number

tls1-ecdhe-sm2-sms4-sm3-failures

Description TLS1_ECDHE_SM2_WITH_SMS4_SM3 cipher failures

Type: number

tls1-ecdhe-sm2-sms4-sm3-id

Description TLS1_ECDHE_SM2_WITH_SMS4_SM3 Cipher ID

Type: string

tls1-ecdhe-sm2-sms4-sm3-successes

Description TLS1_ECDHE_SM2_WITH_SMS4_SM3 cipher successes

Type: number

tls1-rsa-aes-128-gcm-sha256-failures

Description TLS1_RSA_AES_128_GCM_SHA256 Failures

Type: number

tls1-rsa-aes-128-gcm-sha256-id

Description TLS1_RSA_AES_128_GCM_SHA256 Cipher ID

Type: string

tls1-rsa-aes-128-gcm-sha256-successes

Description TLS1_RSA_AES_128_GCM_SHA256 Successes

Type: number

tls1-rsa-aes-128-sha-failures

Description TLS1_RSA_AES_128_SHA Failures

Type: number

tls1-rsa-aes-128-sha-id

Description TLS1_RSA_AES_128_SHA Cipher ID

Type: string

tls1-rsa-aes-128-sha-successes

Description TLS1_RSA_AES_128_SHA Successes

Type: number

tls1-rsa-aes-128-sha256-failures

Description TLS1_RSA_AES_128_SHA256 Failures

Type: number

tls1-rsa-aes-128-sha256-id

Description TLS1_RSA_AES_128_SHA256 Cipher ID

Type: string

tls1-rsa-aes-128-sha256-successes

Description TLS1_RSA_AES_128_SHA256 Successes

Type: number

tls1-rsa-aes-256-gcm-sha384-failures

Description TLS1_RSA_AES_256_GCM_SHA384 Failures

Type: number

tls1-rsa-aes-256-gcm-sha384-id

Description TLS1_RSA_AES_256_GCM_SHA384 Cipher ID

Type: string

tls1-rsa-aes-256-gcm-sha384-successes

Description TLS1_RSA_AES_256_GCM_SHA384 Successes

Type: number

tls1-rsa-aes-256-sha-failures

Description TLS1_RSA_AES_256_SHA Failures

Type: number

tls1-rsa-aes-256-sha-id

Description TLS1_RSA_AES_256_SHA Cipher ID

Type: string

tls1-rsa-aes-256-sha-successes

Description TLS1_RSA_AES_256_SHA Successes

Type: number

tls1-rsa-aes-256-sha256-failures

Description TLS1_RSA_AES_256_SHA256 Failures

Type: number

tls1-rsa-aes-256-sha256-id

Description TLS1_RSA_AES_256_SHA256 Cipher ID

Type: string

tls1-rsa-aes-256-sha256-successes

Description TLS1_RSA_AES_256_SHA256 Successes

Type: number

tls1-rsa-export1024-rc4-56-md5-failures

Description TLS1_RSA_EXPORT1024_RC4_56_MD5 Failures

Type: number

tls1-rsa-export1024-rc4-56-md5-id

Description TLS1_RSA_EXPORT1024_RC4_56_MD5 Cipher ID

Type: string

tls1-rsa-export1024-rc4-56-md5-successes

Description TLS1_RSA_EXPORT1024_RC4_56_MD5 Successes

Type: number

tls1-rsa-export1024-rc4-56-sha-failures

Description TLS1_RSA_EXPORT1024_RC4_56_SHA Failures

Type: number

tls1-rsa-export1024-rc4-56-sha-id

Description TLS1_RSA_EXPORT1024_RC4_56_SHA Cipher ID

Type: string

tls1-rsa-export1024-rc4-56-sha-successes

Description TLS1_RSA_EXPORT1024_RC4_56_SHA Successes

Type: number

tls10-failures

Description Failed TLS1.0 connections

Type: number

tls10-successes

Description Successful TLS1.0 connections

Type: number

tls11-failures

Description Failed TLS1.1 connections

Type: number

tls11-successes

Description Successful TLS1.1 connections

Type: number

tls12-failures

Description Failed TLS1.2 connections

Type: number

tls12-successes

Description Successful TLS1.2 connections

Type: number

tls13-aes-128-gcm-sha256-failures

Description TLS13_AES_128_GCM_SHA256 cipher failures

Type: number

tls13-aes-128-gcm-sha256-id

Description TLS13_AES_128_GCM_SHA256 Cipher ID

Type: string

tls13-aes-128-gcm-sha256-successes

Description TLS13_AES_128_GCM_SHA256 cipher successes

Type: number

tls13-aes-256-gcm-sha384-failures

Description TLS13_AES_256_GCM_SHA384 cipher failures

Type: number

tls13-aes-256-gcm-sha384-id

Description TLS13_AES_256_GCM_SHA384 Cipher ID

Type: string

tls13-aes-256-gcm-sha384-successes

Description TLS13_AES_256_GCM_SHA384 cipher successes

Type: number

tls13-chacha20-poly1305-sha256-failures

Description TLS13_CHACHA20_POLY1305_SHA256 cipher failures

Type: number

tls13-chacha20-poly1305-sha256-id

Description TLS13_CHACHA20_POLY1305_SHA256 Cipher ID

Type: string

tls13-chacha20-poly1305-sha256-successes

Description TLS13_CHACHA20_POLY1305_SHA256 cipher successes

Type: number

tls13-failures

Description Failed TLS1.3 connections

Type: number

tls13-successes

Description Successful TLS1.3 connections

Type: number

vserver

Description virtual server name

Type: string

2.120.204 slb ssl-crl oper

Operational Status for the object ssl-crl

ssl-crl Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-crl
Element URI	/axapi/v3/slb/ssl-crl/oper
Element Attributes	ssl-crl_attributes
Partition Visibility	None
Schema	`ssl-crl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-crl/oper

ssl-crl attributes

Get Object

GET

/axapi/v3/slb/ssl-crl/oper

ssl-crl attributes

Modify Object

POST

/axapi/v3/slb/ssl-crl/oper

ssl-crl attributes

Replace Object

PUT

/axapi/v3/slb/ssl-crl/oper

ssl-crl attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-crl/oper

ssl-crl attributes

ssl-crl attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

crl-info

Type: List

port

Description Virtual Port

Type: number

vserver

Description virtual server name

Type: string

oper_crl-info

Specification	Value
Type	*list*
Block object keys	

issuer

Description Issuer

Type: string

status

Description Status

Type: string

Supported Values: Expired, Not Expired

2.120.205 slb ssl-error

Error

ssl-error Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-error
Element URI	/axapi/v3/slb/ssl-error
Element Attributes	ssl-error_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/ssl-error/stats
Operational Data URI	/axapi/v3/slb/ssl-error/oper
Schema	`ssl-error schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-error

ssl-error attributes

Get Object

GET

/axapi/v3/slb/ssl-error

ssl-error attributes

Modify Object

POST

/axapi/v3/slb/ssl-error

ssl-error attributes

Replace Object

PUT

/axapi/v3/slb/ssl-error

ssl-error attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-error

ssl-error attributes

ssl-error attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.206 slb ssl-error oper

Operational Status for the object ssl-error

ssl-error Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-error
Element URI	/axapi/v3/slb/ssl-error/oper
Element Attributes	ssl-error_attributes
Partition Visibility	None
Schema	`ssl-error schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-error/oper

ssl-error attributes

Get Object

GET

/axapi/v3/slb/ssl-error/oper

ssl-error attributes

Modify Object

POST

/axapi/v3/slb/ssl-error/oper

ssl-error attributes

Replace Object

PUT

/axapi/v3/slb/ssl-error/oper

ssl-error attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-error/oper

ssl-error attributes

ssl-error attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

app-data-in-handshake

Description app data in handshake

Type: number

attempt-to-reuse-sess-in-diff-context

Description attempt to reuse sess in diff context

Type: number

bad-alert-record

Description bad alert record

Type: number

bad-authentication-type

Description bad authentication type

Type: number

bad-change-cipher-spec

Description bad change cipher spec

Type: number

bad-checksum

Description bad checksum

Type: number

bad-data-returned-by-callback

Description bad data returned by callback

Type: number

bad-decompression

Description bad decompression

Type: number

bad-dh-g-length

Description bad dh g length

Type: number

bad-dh-p-length

Description bad dh p length

Type: number

bad-dh-pub-key-length

Description bad dh pub key length

Type: number

bad-digest-length

Description bad digest length

Type: number

bad-dsa-signature

Description bad dsa signature

Type: number

bad-ecc-cert

Description bad ecc cert

Type: number

bad-ecdsa-sig

Description bad ecdsa sig

Type: number

bad-ecpoint

Description bad ecpoint

Type: number

bad-handshake-length

Description bad handshake length

Type: number

bad-hello-request

Description bad hello request

Type: number

bad-length

Description bad length

Type: number

bad-mac-decode

Description bad mac decode

Type: number

bad-message-type

Description bad message type

Type: number

bad-packet-length

Description bad packet length

Type: number

bad-protocol-version-number

Description bad protocol version number

Type: number

bad-response-argument

Description bad response argument

Type: number

bad-rsa-decrypt

Description bad rsa decrypt

Type: number

bad-rsa-e-length

Description bad rsa e length

Type: number

bad-rsa-encrypt

Description bad rsa encrypt

Type: number

bad-rsa-modulus-length

Description bad rsa modulus length

Type: number

bad-rsa-signature

Description bad rsa signature

Type: number

bad-signature

Description bad signature

Type: number

bad-ssl-filetype

Description bad ssl filetype

Type: number

bad-ssl-session-id-length

Description bad ssl session id length

Type: number

bad-state

Description bad state

Type: number

bad-write-retry

Description bad write retry

Type: number

bio-not-set

Description bio not set

Type: number

block-cipher-pad-is-wrong

Description block cipher pad is wrong

Type: number

bn-lib

Description bn lib

Type: number

ca-dn-length-mismatch

Description ca dn length mismatch

Type: number

ca-dn-too-long

Description ca dn too long

Type: number

ccs-received-early

Description ccs received early

Type: number

cert-length-mismatch

Description cert length mismatch

Type: number

certificate-verify-failed

Description certificate verify failed

Type: number

challenge-is-different

Description challenge is different

Type: number

cipher-code-wrong-length

Description cipher code wrong length

Type: number

cipher-or-hash-unavailable

Description cipher or hash unavailable

Type: number

cipher-table-src-error

Description cipher table src error

Type: number

clienthello-tlsext

Description clienthello tlsext

Type: number

compressed-length-too-long

Description compressed length too long

Type: number

compression-failure

Description compression failure

Type: number

compression-library-error

Description compression library error

Type: number

connection-id-is-different

Description connection id is different

Type: number

connection-type-not-set

Description connection type not set

Type: number

cookie-mismatch

Description cookie mismatch

Type: number

data-between-ccs-and-finished

Description data between ccs and finished

Type: number

data-length-too-long

Description data length too long

Type: number

decryption-failed

Description decryption failed

Type: number

decryption-failed-or-bad-record-mac

Description decryption failed or bad record mac

Type: number

dh-public-value-length-is-wrong

Description dh public value length is wrong

Type: number

digest-check-failed

Description digest check failed

Type: number

encrypted-length-too-long

Description encrypted length too long

Type: number

error-generating-tmp-rsa-key

Description error generating tmp rsa key

Type: number

error-in-received-cipher-list

Description error in received cipher list

Type: number

excessive-message-size

Description excessive message size

Type: number

extra-data-in-message

Description extra data in message

Type: number

got-a-fin-before-a-ccs

Description got a fin before a ccs

Type: number

http-request

Description http request

Type: number

https-proxy-request

Description https proxy request

Type: number

illegal-padding

Description illegal padding

Type: number

inappropriate-fallback

Description inappropriate fallback

Type: number

invalid-challenge-length

Description invalid challenge length

Type: number

invalid-command

Description invalid command

Type: number

invalid-purpose

Description invalid purpose

Type: number

invalid-status-response

Description invalid status response

Type: number

invalid-trust

Description invalid trust

Type: number

key-arg-too-long

Description key arg too long

Type: number

krb5

Description krb5

Type: number

krb5-client-cc-principal

Description krb5 client cc principal

Type: number

krb5-client-get-cred

Description krb5 client get cred

Type: number

krb5-client-init

Description krb5 client init

Type: number

krb5-client-mk-req

Description krb5 client mk_req

Type: number

krb5-server-bad-ticket

Description krb5 server bad ticket

Type: number

krb5-server-init

Description krb5 server init

Type: number

krb5-server-rd-req

Description krb5 server rd_req

Type: number

krb5-server-tkt-expired

Description krb5 server tkt expired

Type: number

krb5-server-tkt-not-yet-valid

Description krb5 server tkt not yet valid

Type: number

krb5-server-tkt-skew

Description krb5 server tkt skew

Type: number

length-mismatch

Description length mismatch

Type: number

length-too-short

Description length too short

Type: number

library-bug

Description library bug

Type: number

library-has-no-ciphers

Description library has no ciphers

Type: number

mast-key-too-long

Description mast key too long

Type: number

message-too-long

Description message too long

Type: number

missing-dh-dsa-cert

Description missing dh dsa cert

Type: number

missing-dh-key

Description missing dh key

Type: number

missing-dh-rsa-cert

Description missing dh rsa cert

Type: number

missing-dsa-signing-cert

Description missing dsa signing cert

Type: number

missing-export-tmp-dh-key

Description missing export tmp dh key

Type: number

missing-export-tmp-rsa-key

Description missing export tmp rsa key

Type: number

missing-rsa-certificate

Description missing rsa certificate

Type: number

missing-rsa-encrypting-cert

Description missing rsa encrypting cert

Type: number

missing-rsa-signing-cert

Description missing rsa signing cert

Type: number

missing-tmp-dh-key

Description missing tmp dh key

Type: number

missing-tmp-rsa-key

Description missing tmp rsa key

Type: number

missing-tmp-rsa-pkey

Description missing tmp rsa pkey

Type: number

missing-verify-message

Description missing verify message

Type: number

multiple-sgc-restarts

Description multiple sgc restarts

Type: number

no-certificate-assigned

Description no certificate assigned

Type: number

no-certificate-returned

Description no certificate returned

Type: number

no-certificate-set

Description no certificate set

Type: number

no-certificate-specified

Description no certificate specified

Type: number

no-certificates-returned

Description no certificates returned

Type: number

no-cipher-list

Description no cipher list

Type: number

no-cipher-match

Description no cipher match

Type: number

no-ciphers-available

Description no ciphers available

Type: number

no-ciphers-passed

Description no ciphers passed

Type: number

no-ciphers-specified

Description no ciphers specified

Type: number

no-client-cert-received

Description no client cert received

Type: number

no-compression-specified

Description no compression specified

Type: number

no-method-specified

Description no method specified

Type: number

no-private-key-assigned

Description no private key assigned

Type: number

no-privatekey

Description no privatekey

Type: number

no-protocols-available

Description no protocols available

Type: number

no-publickey

Description no publickey

Type: number

no-required-digest

Description no required digest

Type: number

no-shared-cipher

Description no shared cipher

Type: number

no-verify-callback

Description no verify callback

Type: number

non-sslv2-initial-packet

Description non sslv2 initial packet

Type: number

null-ssl-ctx

Description null ssl ctx

Type: number

null-ssl-method-passed

Description null ssl method passed

Type: number

old-session-cipher-not-returned

Description old session cipher not returned

Type: number

packet-length-too-long

Description packet length too long

Type: number

parse-tlsext

Description parse tlsext

Type: number

path-too-long

Description path too long

Type: number

peer-did-not-return-a-certificate

Description peer did not return a certificate

Type: number

peer-error

Description peer error

Type: number

peer-error-certificate

Description peer error certificate

Type: number

peer-error-no-certificate

Description peer error no certificate

Type: number

peer-error-no-cipher

Description peer error no cipher

Type: number

peer-error-unsupported-certificate-type

Description peer error unsupported certificate type

Type: number

pre-mac-length-too-long

Description pre mac length too long

Type: number

problems-mapping-cipher-functions

Description problems mapping cipher functions

Type: number

protocol-is-shutdown

Description protocol is shutdown

Type: number

public-key-encrypt-error

Description public key encrypt error

Type: number

public-key-is-not-rsa

Description public key is not rsa

Type: number

public-key-not-rsa

Description public key not rsa

Type: number

read-bio-not-set

Description read bio not set

Type: number

read-wrong-packet-type

Description read wrong packet type

Type: number

record-length-mismatch

Description record length mismatch

Type: number

record-too-large

Description record too large

Type: number

record-too-small

Description record too small

Type: number

required-cipher-missing

Description required cipher missing

Type: number

reuse-cert-length-not-zero

Description reuse cert length not zero

Type: number

reuse-cert-type-not-zero

Description reuse cert type not zero

Type: number

reuse-cipher-list-not-zero

Description reuse cipher list not zero

Type: number

scsv-received-when-renegotiating

Description scsv received when renegotiating

Type: number

serverhello-tlsext

Description serverhello tlsext

Type: number

session-id-context-uninitialized

Description session id context uninitialized

Type: number

short-read

Description short read

Type: number

signature-for-non-signing-certificate

Description signature for non signing certificate

Type: number

ssl-ctx-has-no-default-ssl-version

Description ssl ctx has no default ssl version

Type: number

ssl-handshake-failure

Description ssl handshake failure

Type: number

ssl-library-has-no-ciphers

Description ssl library has no ciphers

Type: number

ssl-session-id-callback-failed

Description ssl session id callback failed

Type: number

ssl-session-id-conflict

Description ssl session id conflict

Type: number

ssl-session-id-context-too-long

Description ssl session id context too long

Type: number

ssl-session-id-has-bad-length

Description ssl session id has bad length

Type: number

ssl-session-id-is-different

Description ssl session id is different

Type: number

ssl2-connection-id-too-long

Description ssl2 connection id too long

Type: number

ssl23-doing-session-id-reuse

Description ssl23 doing session id reuse

Type: number

ssl3-ext-invalid-servername

Description ssl3 ext invalid servername

Type: number

ssl3-ext-invalid-servername-type

Description ssl3 ext invalid servername type

Type: number

ssl3-session-id-too-long

Description ssl3 session id too long

Type: number

ssl3-session-id-too-short

Description ssl3 session id too short

Type: number

sslv3-alert-bad-certificate

Description sslv3 alert bad certificate

Type: number

sslv3-alert-bad-record-mac

Description sslv3 alert bad record mac

Type: number

sslv3-alert-certificate-expired

Description sslv3 alert certificate expired

Type: number

sslv3-alert-certificate-revoked

Description sslv3 alert certificate revoked

Type: number

sslv3-alert-certificate-unknown

Description sslv3 alert certificate unknown

Type: number

sslv3-alert-decompression-failure

Description sslv3 alert decompression failure

Type: number

sslv3-alert-handshake-failure

Description sslv3 alert handshake failure

Type: number

sslv3-alert-illegal-parameter

Description sslv3 alert illegal parameter

Type: number

sslv3-alert-no-certificate

Description sslv3 alert no certificate

Type: number

sslv3-alert-peer-error-cert

Description sslv3 alert peer error cert

Type: number

sslv3-alert-peer-error-no-cert

Description sslv3 alert peer error no cert

Type: number

sslv3-alert-peer-error-no-cipher

Description sslv3 alert peer error no cipher

Type: number

sslv3-alert-peer-error-unsupp-cert-type

Description sslv3 alert peer error unsupp cert type

Type: number

sslv3-alert-unexpected-msg

Description sslv3 alert unexpected msg

Type: number

sslv3-alert-unknown-remote-err-type

Description sslv3 alert unknown remote err type

Type: number

sslv3-alert-unspported-cert

Description sslv3 alert unspported cert

Type: number

tls-client-cert-req-with-anon-cipher

Description tls client cert req with anon cipher

Type: number

tls-invalid-ecpointformat-list

Description tls invalid ecpointformat list

Type: number

tls-peer-did-not-respond-with-cert-list

Description tls peer did not respond with cert list

Type: number

tls-rsa-encrypted-value-length-is-wrong

Description tls rsa encrypted value length is wrong

Type: number

tlsv1-alert-access-denied

Description tlsv1 alert access denied

Type: number

tlsv1-alert-decode-error

Description tlsv1 alert decode error

Type: number

tlsv1-alert-decrypt-error

Description tlsv1 alert decrypt error

Type: number

tlsv1-alert-decryption-failed

Description tlsv1 alert decryption failed

Type: number

tlsv1-alert-export-restriction

Description tlsv1 alert export restriction

Type: number

tlsv1-alert-insufficient-security

Description tlsv1 alert insufficient security

Type: number

tlsv1-alert-internal-error

Description tlsv1 alert internal error

Type: number

tlsv1-alert-no-renegotiation

Description tlsv1 alert no renegotiation

Type: number

tlsv1-alert-protocol-version

Description tlsv1 alert protocol version

Type: number

tlsv1-alert-record-overflow

Description tlsv1 alert record overflow

Type: number

tlsv1-alert-unknown-ca

Description tlsv1 alert unknown ca

Type: number

tlsv1-alert-user-cancelled

Description tlsv1 alert user cancelled

Type: number

tried-to-use-unsupported-cipher

Description tried to use unsupported cipher

Type: number

unable-to-decode-dh-certs

Description unable to decode dh certs

Type: number

unable-to-extract-public-key

Description unable to extract public key

Type: number

unable-to-find-dh-parameters

Description unable to find dh parameters

Type: number

unable-to-find-public-key-parameters

Description unable to find public key parameters

Type: number

unable-to-find-ssl-method

Description unable to find ssl method

Type: number

unable-to-load-ssl2-md5-routines

Description unable to load ssl2 md5 routines

Type: number

unable-to-load-ssl3-md5-routines

Description unable to load ssl3 md5 routines

Type: number

unable-to-load-ssl3-sha1-routines

Description unable to load ssl3 sha1 routines

Type: number

unexpected-message

Description unexpected message

Type: number

unexpected-record

Description unexpected record

Type: number

uninitialized

Description uninitialized

Type: number

unknown-alert-type

Description unknown alert type

Type: number

unknown-certificate-type

Description unknown certificate type

Type: number

unknown-cipher-returned

Description unknown cipher returned

Type: number

unknown-cipher-type

Description unknown cipher type

Type: number

unknown-key-exchange-type

Description unknown key exchange type

Type: number

unknown-pkey-type

Description unknown pkey type

Type: number

unknown-protocol

Description unknown protocol

Type: number

unknown-remote-error-type

Description unknown remote error type

Type: number

unknown-ssl-version

Description unknown ssl version

Type: number

unknown-state

Description unknown state

Type: number

unsupported-cipher

Description unsupported cipher

Type: number

unsupported-compression-algorithm

Description unsupported compression algorithm

Type: number

unsupported-digest-type

Description unsupported digest type

Type: number

unsupported-elliptic-curve

Description unsupported elliptic curve

Type: number

unsupported-option

Description unsupported option

Type: number

unsupported-protocol

Description unsupported protocol

Type: number

unsupported-ssl-version

Description unsupported ssl version

Type: number

unsupported-status-type

Description unsupported status type

Type: number

write-bio-not-set

Description write bio not set

Type: number

wrong-cipher-returned

Description wrong cipher returned

Type: number

wrong-message-type

Description wrong message type

Type: number

wrong-number-of-key-bits

Description wrong number of key bits

Type: number

wrong-signature-length

Description wrong signature length

Type: number

wrong-signature-size

Description wrong signature size

Type: number

wrong-ssl-version

Description wrong ssl version

Type: number

wrong-version-number

Description wrong version number

Type: number

x509-lib

Description x509 lib

Type: number

x509-verification-setup-problems

Description x509 verification setup problems

Type: number

2.120.207 slb ssl-error stats

Statistics for the object ssl-error

ssl-error Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-error
Element URI	/axapi/v3/slb/ssl-error/stats
Element Attributes	ssl-error_attributes
Partition Visibility	None
Schema	`ssl-error schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-error/stats

ssl-error attributes

Get Object

GET

/axapi/v3/slb/ssl-error/stats

ssl-error attributes

Modify Object

POST

/axapi/v3/slb/ssl-error/stats

ssl-error attributes

Replace Object

PUT

/axapi/v3/slb/ssl-error/stats

ssl-error attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-error/stats

ssl-error attributes

ssl-error attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

app-data-in-handshake

Description app data in handshake

Type: number

Format: counter

attempt-to-reuse-sess-in-diff-context

Description attempt to reuse sess in diff context

Type: number

Format: counter

bad-alert-record

Description bad alert record

Type: number

Format: counter

bad-authentication-type

Description bad authentication type

Type: number

Format: counter

bad-change-cipher-spec

Description bad change cipher spec

Type: number

Format: counter

bad-checksum

Description bad checksum

Type: number

Format: counter

bad-data-returned-by-callback

Description bad data returned by callback

Type: number

Format: counter

bad-decompression

Description bad decompression

Type: number

Format: counter

bad-dh-g-length

Description bad dh g length

Type: number

Format: counter

bad-dh-p-length

Description bad dh p length

Type: number

Format: counter

bad-dh-pub-key-length

Description bad dh pub key length

Type: number

Format: counter

bad-digest-length

Description bad digest length

Type: number

Format: counter

bad-dsa-signature

Description bad dsa signature

Type: number

Format: counter

bad-ecc-cert

Description bad ecc cert

Type: number

Format: counter

bad-ecdsa-sig

Description bad ecdsa sig

Type: number

Format: counter

bad-ecpoint

Description bad ecpoint

Type: number

Format: counter

bad-handshake-length

Description bad handshake length

Type: number

Format: counter

bad-hello-request

Description bad hello request

Type: number

Format: counter

bad-length

Description bad length

Type: number

Format: counter

bad-mac-decode

Description bad mac decode

Type: number

Format: counter

bad-message-type

Description bad message type

Type: number

Format: counter

bad-packet-length

Description bad packet length

Type: number

Format: counter

bad-protocol-version-counter

Description bad protocol version counter

Type: number

Format: counter

bad-response-argument

Description bad response argument

Type: number

Format: counter

bad-rsa-decrypt

Description bad rsa decrypt

Type: number

Format: counter

bad-rsa-e-length

Description bad rsa e length

Type: number

Format: counter

bad-rsa-encrypt

Description bad rsa encrypt

Type: number

Format: counter

bad-rsa-modulus-length

Description bad rsa modulus length

Type: number

Format: counter

bad-rsa-signature

Description bad rsa signature

Type: number

Format: counter

bad-signature

Description bad signature

Type: number

Format: counter

bad-ssl-filetype

Description bad ssl filetype

Type: number

Format: counter

bad-ssl-session-id-length

Description bad ssl session id length

Type: number

Format: counter

bad-state

Description bad state

Type: number

Format: counter

bad-write-retry

Description bad write retry

Type: number

Format: counter

bio-not-set

Description bio not set

Type: number

Format: counter

block-cipher-pad-is-wrong

Description block cipher pad is wrong

Type: number

Format: counter

bn-lib

Description bn lib

Type: number

Format: counter

ca-dn-length-mismatch

Description ca dn length mismatch

Type: number

Format: counter

ca-dn-too-long

Description ca dn too long

Type: number

Format: counter

ccs-received-early

Description ccs received early

Type: number

Format: counter

cert-length-mismatch

Description cert length mismatch

Type: number

Format: counter

certificate-verify-failed

Description certificate verify failed

Type: number

Format: counter

challenge-is-different

Description challenge is different

Type: number

Format: counter

cipher-code-wrong-length

Description cipher code wrong length

Type: number

Format: counter

cipher-or-hash-unavailable

Description cipher or hash unavailable

Type: number

Format: counter

cipher-table-src-error

Description cipher table src error

Type: number

Format: counter

clienthello-tlsext

Description clienthello tlsext

Type: number

Format: counter

compressed-length-too-long

Description compressed length too long

Type: number

Format: counter

compression-failure

Description compression failure

Type: number

Format: counter

compression-library-error

Description compression library error

Type: number

Format: counter

connection-id-is-different

Description connection id is different

Type: number

Format: counter

connection-type-not-set

Description connection type not set

Type: number

Format: counter

cookie-mismatch

Description cookie mismatch

Type: number

Format: counter

data-between-ccs-and-finished

Description data between ccs and finished

Type: number

Format: counter

data-length-too-long

Description data length too long

Type: number

Format: counter

decryption-failed

Description decryption failed

Type: number

Format: counter

decryption-failed-or-bad-record-mac

Description decryption failed or bad record mac

Type: number

Format: counter

dh-public-value-length-is-wrong

Description dh public value length is wrong

Type: number

Format: counter

digest-check-failed

Description digest check failed

Type: number

Format: counter

encrypted-length-too-long

Description encrypted length too long

Type: number

Format: counter

error-generating-tmp-rsa-key

Description error generating tmp rsa key

Type: number

Format: counter

error-in-received-cipher-list

Description error in received cipher list

Type: number

Format: counter

excessive-message-size

Description excessive message size

Type: number

Format: counter

extra-data-in-message

Description extra data in message

Type: number

Format: counter

got-a-fin-before-a-ccs

Description got a fin before a ccs

Type: number

Format: counter

http-request

Description http request

Type: number

Format: counter

https-proxy-request

Description https proxy request

Type: number

Format: counter

illegal-padding

Description illegal padding

Type: number

Format: counter

inappropriate-fallback

Description inappropriate fallback

Type: number

Format: counter

invalid-challenge-length

Description invalid challenge length

Type: number

Format: counter

invalid-command

Description invalid command

Type: number

Format: counter

invalid-purpose

Description invalid purpose

Type: number

Format: counter

invalid-status-response

Description invalid status response

Type: number

Format: counter

invalid-trust

Description invalid trust

Type: number

Format: counter

key-arg-too-long

Description key arg too long

Type: number

Format: counter

krb5

Description krb5

Type: number

Format: counter

krb5-client-cc-principal

Description krb5 client cc principal

Type: number

Format: counter

krb5-client-get-cred

Description krb5 client get cred

Type: number

Format: counter

krb5-client-init

Description krb5 client init

Type: number

Format: counter

krb5-client-mk-req

Description krb5 client mk_req

Type: number

Format: counter

krb5-server-bad-ticket

Description krb5 server bad ticket

Type: number

Format: counter

krb5-server-init

Description krb5 server init

Type: number

Format: counter

krb5-server-rd-req

Description krb5 server rd_req

Type: number

Format: counter

krb5-server-tkt-expired

Description krb5 server tkt expired

Type: number

Format: counter

krb5-server-tkt-not-yet-valid

Description krb5 server tkt not yet valid

Type: number

Format: counter

krb5-server-tkt-skew

Description krb5 server tkt skew

Type: number

Format: counter

length-mismatch

Description length mismatch

Type: number

Format: counter

length-too-short

Description length too short

Type: number

Format: counter

library-bug

Description library bug

Type: number

Format: counter

library-has-no-ciphers

Description library has no ciphers

Type: number

Format: counter

mast-key-too-long

Description mast key too long

Type: number

Format: counter

message-too-long

Description message too long

Type: number

Format: counter

missing-dh-dsa-cert

Description missing dh dsa cert

Type: number

Format: counter

missing-dh-key

Description missing dh key

Type: number

Format: counter

missing-dh-rsa-cert

Description missing dh rsa cert

Type: number

Format: counter

missing-dsa-signing-cert

Description missing dsa signing cert

Type: number

Format: counter

missing-export-tmp-dh-key

Description missing export tmp dh key

Type: number

Format: counter

missing-export-tmp-rsa-key

Description missing export tmp rsa key

Type: number

Format: counter

missing-rsa-certificate

Description missing rsa certificate

Type: number

Format: counter

missing-rsa-encrypting-cert

Description missing rsa encrypting cert

Type: number

Format: counter

missing-rsa-signing-cert

Description missing rsa signing cert

Type: number

Format: counter

missing-tmp-dh-key

Description missing tmp dh key

Type: number

Format: counter

missing-tmp-rsa-key

Description missing tmp rsa key

Type: number

Format: counter

missing-tmp-rsa-pkey

Description missing tmp rsa pkey

Type: number

Format: counter

missing-verify-message

Description missing verify message

Type: number

Format: counter

multiple-sgc-restarts

Description multiple sgc restarts

Type: number

Format: counter

no-certificate-assigned

Description no certificate assigned

Type: number

Format: counter

no-certificate-returned

Description no certificate returned

Type: number

Format: counter

no-certificate-set

Description no certificate set

Type: number

Format: counter

no-certificate-specified

Description no certificate specified

Type: number

Format: counter

no-certificates-returned

Description no certificates returned

Type: number

Format: counter

no-cipher-list

Description no cipher list

Type: number

Format: counter

no-cipher-match

Description no cipher match

Type: number

Format: counter

no-ciphers-available

Description no ciphers available

Type: number

Format: counter

no-ciphers-passed

Description no ciphers passed

Type: number

Format: counter

no-ciphers-specified

Description no ciphers specified

Type: number

Format: counter

no-client-cert-received

Description no client cert received

Type: number

Format: counter

no-compression-specified

Description no compression specified

Type: number

Format: counter

no-method-specified

Description no method specified

Type: number

Format: counter

no-private-key-assigned

Description no private key assigned

Type: number

Format: counter

no-privatekey

Description no privatekey

Type: number

Format: counter

no-protocols-available

Description no protocols available

Type: number

Format: counter

no-publickey

Description no publickey

Type: number

Format: counter

no-required-digest

Description no required digest

Type: number

Format: counter

no-shared-cipher

Description no shared cipher

Type: number

Format: counter

no-verify-callback

Description no verify callback

Type: number

Format: counter

non-sslv2-initial-packet

Description non sslv2 initial packet

Type: number

Format: counter

null-ssl-ctx

Description null ssl ctx

Type: number

Format: counter

null-ssl-method-passed

Description null ssl method passed

Type: number

Format: counter

old-session-cipher-not-returned

Description old session cipher not returned

Type: number

Format: counter

packet-length-too-long

Description packet length too long

Type: number

Format: counter

parse-tlsext

Description parse tlsext

Type: number

Format: counter

path-too-long

Description path too long

Type: number

Format: counter

peer-did-not-return-a-certificate

Description peer did not return a certificate

Type: number

Format: counter

peer-error

Description peer error

Type: number

Format: counter

peer-error-certificate

Description peer error certificate

Type: number

Format: counter

peer-error-no-certificate

Description peer error no certificate

Type: number

Format: counter

peer-error-no-cipher

Description peer error no cipher

Type: number

Format: counter

peer-error-unsupported-certificate-type

Description peer error unsupported certificate type

Type: number

Format: counter

pre-mac-length-too-long

Description pre mac length too long

Type: number

Format: counter

problems-mapping-cipher-functions

Description problems mapping cipher functions

Type: number

Format: counter

protocol-is-shutdown

Description protocol is shutdown

Type: number

Format: counter

public-key-encrypt-error

Description public key encrypt error

Type: number

Format: counter

public-key-is-not-rsa

Description public key is not rsa

Type: number

Format: counter

public-key-not-rsa

Description public key not rsa

Type: number

Format: counter

read-bio-not-set

Description read bio not set

Type: number

Format: counter

read-wrong-packet-type

Description read wrong packet type

Type: number

Format: counter

record-length-mismatch

Description record length mismatch

Type: number

Format: counter

record-too-large

Description record too large

Type: number

Format: counter

record-too-small

Description record too small

Type: number

Format: counter

required-cipher-missing

Description required cipher missing

Type: number

Format: counter

reuse-cert-length-not-zero

Description reuse cert length not zero

Type: number

Format: counter

reuse-cert-type-not-zero

Description reuse cert type not zero

Type: number

Format: counter

reuse-cipher-list-not-zero

Description reuse cipher list not zero

Type: number

Format: counter

scsv-received-when-renegotiating

Description scsv received when renegotiating

Type: number

Format: counter

serverhello-tlsext

Description serverhello tlsext

Type: number

Format: counter

session-id-context-uninitialized

Description session id context uninitialized

Type: number

Format: counter

short-read

Description short read

Type: number

Format: counter

signature-for-non-signing-certificate

Description signature for non signing certificate

Type: number

Format: counter

ssl-ctx-has-no-default-ssl-version

Description ssl ctx has no default ssl version

Type: number

Format: counter

ssl-handshake-failure

Description ssl handshake failure

Type: number

Format: counter

ssl-library-has-no-ciphers

Description ssl library has no ciphers

Type: number

Format: counter

ssl-session-id-callback-failed

Description ssl session id callback failed

Type: number

Format: counter

ssl-session-id-conflict

Description ssl session id conflict

Type: number

Format: counter

ssl-session-id-context-too-long

Description ssl session id context too long

Type: number

Format: counter

ssl-session-id-has-bad-length

Description ssl session id has bad length

Type: number

Format: counter

ssl-session-id-is-different

Description ssl session id is different

Type: number

Format: counter

ssl2-connection-id-too-long

Description ssl2 connection id too long

Type: number

Format: counter

ssl23-doing-session-id-reuse

Description ssl23 doing session id reuse

Type: number

Format: counter

ssl3-ext-invalid-servername

Description ssl3 ext invalid servername

Type: number

Format: counter

ssl3-ext-invalid-servername-type

Description ssl3 ext invalid servername type

Type: number

Format: counter

ssl3-session-id-too-long

Description ssl3 session id too long

Type: number

Format: counter

ssl3-session-id-too-short

Description ssl3 session id too short

Type: number

Format: counter

sslv3-alert-bad-certificate

Description sslv3 alert bad certificate

Type: number

Format: counter

sslv3-alert-bad-record-mac

Description sslv3 alert bad record mac

Type: number

Format: counter

sslv3-alert-certificate-expired

Description sslv3 alert certificate expired

Type: number

Format: counter

sslv3-alert-certificate-revoked

Description sslv3 alert certificate revoked

Type: number

Format: counter

sslv3-alert-certificate-unknown

Description sslv3 alert certificate unknown

Type: number

Format: counter

sslv3-alert-decompression-failure

Description sslv3 alert decompression failure

Type: number

Format: counter

sslv3-alert-handshake-failure

Description sslv3 alert handshake failure

Type: number

Format: counter

sslv3-alert-illegal-parameter

Description sslv3 alert illegal parameter

Type: number

Format: counter

sslv3-alert-no-certificate

Description sslv3 alert no certificate

Type: number

Format: counter

sslv3-alert-peer-error-cert

Description sslv3 alert peer error cert

Type: number

Format: counter

sslv3-alert-peer-error-no-cert

Description sslv3 alert peer error no cert

Type: number

Format: counter

sslv3-alert-peer-error-no-cipher

Description sslv3 alert peer error no cipher

Type: number

Format: counter

sslv3-alert-peer-error-unsupp-cert-type

Description sslv3 alert peer error unsupp cert type

Type: number

Format: counter

sslv3-alert-unexpected-msg

Description sslv3 alert unexpected msg

Type: number

Format: counter

sslv3-alert-unknown-remote-err-type

Description sslv3 alert unknown remote err type

Type: number

Format: counter

sslv3-alert-unspported-cert

Description sslv3 alert unspported cert

Type: number

Format: counter

tls-client-cert-req-with-anon-cipher

Description tls client cert req with anon cipher

Type: number

Format: counter

tls-invalid-ecpointformat-list

Description tls invalid ecpointformat list

Type: number

Format: counter

tls-peer-did-not-respond-with-cert-list

Description tls peer did not respond with cert list

Type: number

Format: counter

tls-rsa-encrypted-value-length-is-wrong

Description tls rsa encrypted value length is wrong

Type: number

Format: counter

tlsv1-alert-access-denied

Description tlsv1 alert access denied

Type: number

Format: counter

tlsv1-alert-decode-error

Description tlsv1 alert decode error

Type: number

Format: counter

tlsv1-alert-decrypt-error

Description tlsv1 alert decrypt error

Type: number

Format: counter

tlsv1-alert-decryption-failed

Description tlsv1 alert decryption failed

Type: number

Format: counter

tlsv1-alert-export-restriction

Description tlsv1 alert export restriction

Type: number

Format: counter

tlsv1-alert-insufficient-security

Description tlsv1 alert insufficient security

Type: number

Format: counter

tlsv1-alert-internal-error

Description tlsv1 alert internal error

Type: number

Format: counter

tlsv1-alert-no-renegotiation

Description tlsv1 alert no renegotiation

Type: number

Format: counter

tlsv1-alert-protocol-version

Description tlsv1 alert protocol version

Type: number

Format: counter

tlsv1-alert-record-overflow

Description tlsv1 alert record overflow

Type: number

Format: counter

tlsv1-alert-unknown-ca

Description tlsv1 alert unknown ca

Type: number

Format: counter

tlsv1-alert-user-cancelled

Description tlsv1 alert user cancelled

Type: number

Format: counter

tried-to-use-unsupported-cipher

Description tried to use unsupported cipher

Type: number

Format: counter

unable-to-decode-dh-certs

Description unable to decode dh certs

Type: number

Format: counter

unable-to-extract-public-key

Description unable to extract public key

Type: number

Format: counter

unable-to-find-dh-parameters

Description unable to find dh parameters

Type: number

Format: counter

unable-to-find-public-key-parameters

Description unable to find public key parameters

Type: number

Format: counter

unable-to-find-ssl-method

Description unable to find ssl method

Type: number

Format: counter

unable-to-load-ssl2-md5-routines

Description unable to load ssl2 md5 routines

Type: number

Format: counter

unable-to-load-ssl3-md5-routines

Description unable to load ssl3 md5 routines

Type: number

Format: counter

unable-to-load-ssl3-sha1-routines

Description unable to load ssl3 sha1 routines

Type: number

Format: counter

unexpected-message

Description unexpected message

Type: number

Format: counter

unexpected-record

Description unexpected record

Type: number

Format: counter

uninitialized

Description uninitialized

Type: number

Format: counter

unknown-alert-type

Description unknown alert type

Type: number

Format: counter

unknown-certificate-type

Description unknown certificate type

Type: number

Format: counter

unknown-cipher-returned

Description unknown cipher returned

Type: number

Format: counter

unknown-cipher-type

Description unknown cipher type

Type: number

Format: counter

unknown-key-exchange-type

Description unknown key exchange type

Type: number

Format: counter

unknown-pkey-type

Description unknown pkey type

Type: number

Format: counter

unknown-protocol

Description unknown protocol

Type: number

Format: counter

unknown-remote-error-type

Description unknown remote error type

Type: number

Format: counter

unknown-ssl-version

Description unknown ssl version

Type: number

Format: counter

unknown-state

Description unknown state

Type: number

Format: counter

unsupported-cipher

Description unsupported cipher

Type: number

Format: counter

unsupported-compression-algorithm

Description unsupported compression algorithm

Type: number

Format: counter

unsupported-digest-type

Description unsupported digest type

Type: number

Format: counter

unsupported-elliptic-curve

Description unsupported elliptic curve

Type: number

Format: counter

unsupported-option

Description unsupported option

Type: number

Format: counter

unsupported-protocol

Description unsupported protocol

Type: number

Format: counter

unsupported-ssl-version

Description unsupported ssl version

Type: number

Format: counter

unsupported-status-type

Description unsupported status type

Type: number

Format: counter

write-bio-not-set

Description write bio not set

Type: number

Format: counter

wrong-cipher-returned

Description wrong cipher returned

Type: number

Format: counter

wrong-counter-of-key-bits

Description wrong counter of key bits

Type: number

Format: counter

wrong-message-type

Description wrong message type

Type: number

Format: counter

wrong-signature-length

Description wrong signature length

Type: number

Format: counter

wrong-signature-size

Description wrong signature size

Type: number

Format: counter

wrong-ssl-version

Description wrong ssl version

Type: number

Format: counter

wrong-version-counter

Description wrong version counter

Type: number

Format: counter

x509-lib

Description x509 lib

Type: number

Format: counter

x509-verification-setup-problems

Description x509 verification setup problems

Type: number

Format: counter

2.120.208 slb ssl-expire-check

SSL certificate expiration check

ssl-expire-check Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-expire-check
Element URI	/axapi/v3/slb/ssl-expire-check
Element Attributes	ssl-expire-check_attributes
Partition Visibility	shared
Schema	`ssl-expire-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

Get Object

GET

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

Modify Object

POST

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

Replace Object

PUT

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-expire-check

ssl-expire-check attributes

ssl-expire-check attributes

before

Description The number of days in advance notice before expiration, default is 5

Type: number

Range: 1-60

Default: 5

exception

Description: exception is a **JSON Block**. Please see below for *exception*

Type: Object

Reference Object: */axapi/v3/slb/ssl-expire-check/exception*

expire-address1

Description Email address for certificate expiration check

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

interval-days

Description The interval of days notice after expiration, default is 2

Type: number

Range: 1-5

Default: 2

ssl-expire-email-address

Description Config Email address for certificate expiration check

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

exception

Specification	Value
Type	*object*

action

Description 'add': Add an exception; 'delete': Delete an exception; 'clean': Delete all exception;

Type: string

Supported Values: add, delete, clean

certificate-name

Description The certificate name

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

2.120.209 slb ssl-forward-proxy

SSL forward proxy stats info

ssl-forward-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-forward-proxy
Element URI	/axapi/v3/slb/ssl-forward-proxy
Element Attributes	ssl-forward-proxy_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/ssl-forward-proxy/stats
Schema	`ssl-forward-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

```
POST /axapi/v3/slb/ssl-forward-proxy
Payload:
{
    "ssl-forward-proxy": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

```
GET /axapi/v3/slb/ssl-forward-proxy
Reponse:
{
    "ssl-forward-proxy": {
        "uuid": "5172445c-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/ssl-forward-proxy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

Replace Object

PUT

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

```
PUT /axapi/v3/slb/ssl-forward-proxy
Payload:
{
    "ssl-forward-proxy": {
        "sampling-enable": [
            {
                "counters1": "cert_create"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ssl-forward-proxy

ssl-forward-proxy attributes

```
DELETE /axapi/v3/slb/ssl-forward-proxy
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl-forward-proxy attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'cert_create': Certificates created; 'cert_expr': Certificates expired; 'cert_hit': Certificate cache hits; 'cert_miss': Certificate cache miss; 'conn_bypass': Connections bypassed; 'conn_inspect': Connections inspected; 'bypass-failsafe-ssl-sessions': Bypass Failsafe SSL sessions; 'bypass-sni-sessions': Bypass SNI sessions; 'bypass-client-auth-sessions': Bypass Client Auth sessions; 'failed-in-ssl-handshakes': Failed in SSL handshakes; 'failed-in-crypto-operations': Failed in crypto operations; 'failed-in-tcp': Failed in TCP; 'failed-in-certificate-verification': Failed in Certificate verification; 'failed-in-certificate-signing': Failed in Certificate signing; 'invalid-ocsp-stapling-response': Invalid OCSP Stapling Response; 'revoked-ocsp-response': Revoked OCSP Response; 'unsupported-ssl-version': Unsupported SSL version; 'certificates-in-cache': Certificates in cache; 'connections-failed': Connections failed; 'aflex-bypass': Bypass triggered by aFleX; 'bypass-cert-subject-sessions': Bypass Cert Subject sessions; 'bypass-cert-issuer-sessions': Bypass Cert issuer sessions; 'bypass-cert-san-sessions': Bypass Cert SAN sessions; 'bypass-no-sni-sessions': Bypass NO SNI sessions; 'reset-no-sni-sessions': Reset No SNI sessions; 'bypass-esni-sessions': Bypass ESNI sessions; 'drop-esni-sessions': Drop ESNI sessions; 'bypass-username-sessions': Bypass Username sessions; 'bypass-ad-group-sessions': Bypass AD-group sessions; 'tot_conn_in_buff': Total buffered async connections; 'curr_conn_in_buff': Current buffered async connections; 'async_conn_timeout': SSLi Async connections failures due to timeout; 'async_conn_limit_drop': SSLi Async connections failures due to limit; 'cert_in_cache': Certificates in cache used by HC SSLi App; 'bypass-client-ip-sessions': Bypass Client IP sessions; 'bypass-server-ip-sessions': Bypass Server IP sessions;

Type: string

Supported Values: all, cert_create, cert_expr, cert_hit, cert_miss, conn_bypass, conn_inspect, bypass-failsafe-ssl-sessions, bypass-sni-sessions, bypass-client-auth-sessions, failed-in-ssl-handshakes, failed-in-crypto-operations, failed-in-tcp, failed-in-certificate-verification, failed-in-certificate-signing, invalid-ocsp-stapling-response, revoked-ocsp-response, unsupported-ssl-version, certificates-in-cache, connections-failed, aflex-bypass, bypass-cert-subject-sessions, bypass-cert-issuer-sessions, bypass-cert-san-sessions, bypass-no-sni-sessions, reset-no-sni-sessions, bypass-esni-sessions, drop-esni-sessions, bypass-username-sessions, bypass-ad-group-sessions, tot_conn_in_buff, curr_conn_in_buff, async_conn_timeout, async_conn_limit_drop, cert_in_cache, bypass-client-ip-sessions, bypass-server-ip-sessions

2.120.210 slb ssl-forward-proxy-cert oper

Operational Status for the object ssl-forward-proxy-cert

ssl-forward-proxy-cert Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-forward-proxy-cert
Element URI	/axapi/v3/slb/ssl-forward-proxy-cert/oper
Element Attributes	ssl-forward-proxy-cert_attributes
Partition Visibility	None
Schema	`ssl-forward-proxy-cert schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-forward-proxy-cert/oper

ssl-forward-proxy-cert attributes

Get Object

GET

/axapi/v3/slb/ssl-forward-proxy-cert/oper

ssl-forward-proxy-cert attributes

Modify Object

POST

/axapi/v3/slb/ssl-forward-proxy-cert/oper

ssl-forward-proxy-cert attributes

Replace Object

PUT

/axapi/v3/slb/ssl-forward-proxy-cert/oper

ssl-forward-proxy-cert attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-forward-proxy-cert/oper

ssl-forward-proxy-cert attributes

ssl-forward-proxy-cert attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

hashed-certificate

Type: List

hashed-persist-entries

Description DELETE method specific option to clear the hashed persistence entries for one vport

Type: boolean

Supported Values: true, false, 1, 0

port

Description Virtual Port

Type: number

server-ip

Description IPv4 or IPv6 address of the server

Type: string

server-name

Description Name of the server

Type: string

server-port

Description Port of the server

Type: number

vserver

Description virtual server name

Type: string

oper_hashed-certificate

Specification	Value
Type	*list*
Block object keys	

alpn-protocol

Description ALPN Protocol (0:None, 1:HTTP, 2:SPDY, 3:HTTP2)

Type: number

common-name

Description Certificate common name

Type: string

country

Description Certificate country

Type: string

division

Description Certificate division

Type: string

email

Description Certificate email

Type: string

expire-time

Description Certificate expiration time

Type: string

expires-after

Description Expires after (seconds)

Type: number

hit-times

Description hit times

Type: number

idle-time

Description Idle time in seconds

Type: number

issuer

Description Certificate issuer

Type: string

locality

Description Certificate locality

Type: string

protocol

Description protocol

Type: string

Supported Values: tcp, udp

real-port

Description Real Port

Type: number

serial

Description Certificate serial number in hex

Type: string

server-ip

Description Server IP

Type: string

server-ipv6

Description Server IPV6

Type: string

server-name

Description Server Name

Type: string

start-time

Description Certificate start time

Type: string

state

Description State

Type: string

state-province

Description Certificate state or province

Type: string

subject

Description Certificate subject

Type: string

subject-alt-name

Description Certificate subject alternative name

Type: string

timeout-after

Description Timeout after (seconds)

Type: number

version

Description Certificate version

Type: number

2.120.211 slb ssl-forward-proxy stats

Statistics for the object ssl-forward-proxy

ssl-forward-proxy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-forward-proxy
Element URI	/axapi/v3/slb/ssl-forward-proxy/stats
Element Attributes	ssl-forward-proxy_attributes
Partition Visibility	None
Schema	`ssl-forward-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-forward-proxy/stats

ssl-forward-proxy attributes

Get Object

GET

/axapi/v3/slb/ssl-forward-proxy/stats

ssl-forward-proxy attributes

Modify Object

POST

/axapi/v3/slb/ssl-forward-proxy/stats

ssl-forward-proxy attributes

Replace Object

PUT

/axapi/v3/slb/ssl-forward-proxy/stats

ssl-forward-proxy attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-forward-proxy/stats

ssl-forward-proxy attributes

ssl-forward-proxy attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

aflex-bypass

Description Bypass triggered by aFleX

Type: number

Format: counter

async_conn_limit_drop

Description SSLi Async connections failures due to limit

Type: number

Format: counter

async_conn_timeout

Description SSLi Async connections failures due to timeout

Type: number

Format: counter

bypass-ad-group-sessions

Description Bypass AD-group sessions

Type: number

Format: counter

bypass-cert-issuer-sessions

Description Bypass Cert issuer sessions

Type: number

Format: counter

bypass-cert-san-sessions

Description Bypass Cert SAN sessions

Type: number

Format: counter

bypass-cert-subject-sessions

Description Bypass Cert Subject sessions

Type: number

Format: counter

bypass-client-auth-sessions

Description Bypass Client Auth sessions

Type: number

Format: counter

bypass-client-ip-sessions

Description Bypass Client IP sessions

Type: number

Format: counter

bypass-esni-sessions

Description Bypass ESNI sessions

Type: number

Format: counter

bypass-failsafe-ssl-sessions

Description Bypass Failsafe SSL sessions

Type: number

Format: counter

bypass-no-sni-sessions

Description Bypass NO SNI sessions

Type: number

Format: counter

bypass-server-ip-sessions

Description Bypass Server IP sessions

Type: number

Format: counter

bypass-sni-sessions

Description Bypass SNI sessions

Type: number

Format: counter

bypass-username-sessions

Description Bypass Username sessions

Type: number

Format: counter

cert_create

Description Certificates created

Type: number

Format: counter

cert_expr

Description Certificates expired

Type: number

Format: counter

cert_hit

Description Certificate cache hits

Type: number

Format: counter

cert_in_cache

Description Certificates in cache used by HC SSLi App

Type: number

Format: counter

cert_miss

Description Certificate cache miss

Type: number

Format: counter

certificates-in-cache

Description Certificates in cache

Type: number

Format: counter

conn_bypass

Description Connections bypassed

Type: number

Format: counter

conn_inspect

Description Connections inspected

Type: number

Format: counter

connections-failed

Description Connections failed

Type: number

Format: counter

curr_conn_in_buff

Description Current buffered async connections

Type: number

Format: counter

drop-esni-sessions

Description Drop ESNI sessions

Type: number

Format: counter

failed-in-certificate-signing

Description Failed in Certificate signing

Type: number

Format: counter

failed-in-certificate-verification

Description Failed in Certificate verification

Type: number

Format: counter

failed-in-crypto-operations

Description Failed in crypto operations

Type: number

Format: counter

failed-in-ssl-handshakes

Description Failed in SSL handshakes

Type: number

Format: counter

failed-in-tcp

Description Failed in TCP

Type: number

Format: counter

invalid-ocsp-stapling-response

Description Invalid OCSP Stapling Response

Type: number

Format: counter

reset-no-sni-sessions

Description Reset No SNI sessions

Type: number

Format: counter

revoked-ocsp-response

Description Revoked OCSP Response

Type: number

Format: counter

tot_conn_in_buff

Description Total buffered async connections

Type: number

Format: counter

unsupported-ssl-version

Description Unsupported SSL version

Type: number

Format: counter

2.120.212 slb ssl-ja3 oper

Operational Status for the object ssl-ja3

ssl-ja3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-ja3
Element URI	/axapi/v3/slb/ssl-ja3/oper
Element Attributes	ssl-ja3_attributes
Partition Visibility	None
Schema	`ssl-ja3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-ja3/oper

ssl-ja3 attributes

Get Object

GET

/axapi/v3/slb/ssl-ja3/oper

ssl-ja3 attributes

Modify Object

POST

/axapi/v3/slb/ssl-ja3/oper

ssl-ja3 attributes

Replace Object

PUT

/axapi/v3/slb/ssl-ja3/oper

ssl-ja3 attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-ja3/oper

ssl-ja3 attributes

ssl-ja3 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

record

Type: List

oper_record

Specification	Value
Type	*list*
Block object keys	

addr-v4

Description

Type: string

Format: ipv4-address

addr-v6

Description

Type: string

Format: ipv6-address

amount

Description

Type: number

2.120.213 slb ssl-ja4 oper

Operational Status for the object ssl-ja4

ssl-ja4 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-ja4
Element URI	/axapi/v3/slb/ssl-ja4/oper
Element Attributes	ssl-ja4_attributes
Partition Visibility	None
Schema	`ssl-ja4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-ja4/oper

ssl-ja4 attributes

Get Object

GET

/axapi/v3/slb/ssl-ja4/oper

ssl-ja4 attributes

Modify Object

POST

/axapi/v3/slb/ssl-ja4/oper

ssl-ja4 attributes

Replace Object

PUT

/axapi/v3/slb/ssl-ja4/oper

ssl-ja4 attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-ja4/oper

ssl-ja4 attributes

ssl-ja4 attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

record

Type: List

oper_record

Specification	Value
Type	*list*
Block object keys	

addr-v4

Description

Type: string

Format: ipv4-address

addr-v6

Description

Type: string

Format: ipv6-address

amount

Description

Type: number

2.120.214 slb ssl-ocsp oper

Operational Status for the object ssl-ocsp

ssl-ocsp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-ocsp
Element URI	/axapi/v3/slb/ssl-ocsp/oper
Element Attributes	ssl-ocsp_attributes
Partition Visibility	None
Schema	`ssl-ocsp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-ocsp/oper

ssl-ocsp attributes

Get Object

GET

/axapi/v3/slb/ssl-ocsp/oper

ssl-ocsp attributes

Modify Object

POST

/axapi/v3/slb/ssl-ocsp/oper

ssl-ocsp attributes

Replace Object

PUT

/axapi/v3/slb/ssl-ocsp/oper

ssl-ocsp attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-ocsp/oper

ssl-ocsp attributes

ssl-ocsp attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cached-entries

Type: List

total-entries

Description Total Entries

Type: number

oper_cached-entries

Specification	Value
Type	*list*
Block object keys	

expire

Description Cert Name

Type: number

hits

Description Cert Name

Type: number

length

Description Cert Name

Type: number

name

Description Cert Name

Type: string

status

Description Cert Name

Type: string

subject

Description Cert Name

Type: string

uri

Description Cert Name

Type: string

2.120.215 slb ssl-scep-cert-log oper

Operational Status for the object ssl-scep-cert-log

ssl-scep-cert-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-scep-cert-log
Element URI	/axapi/v3/slb/ssl-scep-cert-log/oper
Element Attributes	ssl-scep-cert-log_attributes
Partition Visibility	None
Schema	`ssl-scep-cert-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-scep-cert-log/oper

ssl-scep-cert-log attributes

Get Object

GET

/axapi/v3/slb/ssl-scep-cert-log/oper

ssl-scep-cert-log attributes

Modify Object

POST

/axapi/v3/slb/ssl-scep-cert-log/oper

ssl-scep-cert-log attributes

Replace Object

PUT

/axapi/v3/slb/ssl-scep-cert-log/oper

ssl-scep-cert-log attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-scep-cert-log/oper

ssl-scep-cert-log attributes

ssl-scep-cert-log attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

follow

Description

Type: boolean

Supported Values: true, false, 1, 0

from-start

Description

Type: boolean

Supported Values: true, false, 1, 0

name

Description

Type: string

num-lines

Description

Type: number

scep-log-list

Type: List

scep-log-offset

Description

Type: number

scep-log-over

Description

Type: number

oper_scep-log-list

Specification	Value
Type	*list*
Block object keys	

scep-log-data

Description

Type: string

2.120.216 slb ssl-scep-cert-status oper

Operational Status for the object ssl-scep-cert-status

ssl-scep-cert-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-scep-cert-status
Element URI	/axapi/v3/slb/ssl-scep-cert-status/oper
Element Attributes	ssl-scep-cert-status_attributes
Partition Visibility	None
Schema	`ssl-scep-cert-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-scep-cert-status/oper

ssl-scep-cert-status attributes

Get Object

GET

/axapi/v3/slb/ssl-scep-cert-status/oper

ssl-scep-cert-status attributes

Modify Object

POST

/axapi/v3/slb/ssl-scep-cert-status/oper

ssl-scep-cert-status attributes

Replace Object

PUT

/axapi/v3/slb/ssl-scep-cert-status/oper

ssl-scep-cert-status attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-scep-cert-status/oper

ssl-scep-cert-status attributes

ssl-scep-cert-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

scep-certs

Type: List

oper_scep-certs

Specification	Value
Type	*list*
Block object keys	

name

Description

Type: string

renew

Description

Type: string

rotated

Description

Type: number

status

Description

Type: string

2.120.217 slb ssl sni-automap-attributes

Server Name Automap global settings

sni-automap-attributes Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sni-automap-attributes
Element URI	/axapi/v3/slb/ssl/sni-automap-attributes
Element Attributes	sni-automap-attributes_attributes
Partition Visibility	shared
Schema	`sni-automap-attributes schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

```
POST /axapi/v3/slb/ssl/sni-automap-attributes
Payload:
{
    "sni-automap-attributes": {
        "sni-lower-limit": 1,
        "sni-upper-limit": 2
    }
}
```

Get Object

GET

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

```
GET /axapi/v3/slb/ssl/sni-automap-attributes
Reponse:
{
    "sni-automap-attributes": {
        "sni-lower-limit": 1,
        "sni-upper-limit": 2,
        "sni-delete-factor": 50,
        "uuid": "fc55543c-b63e-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/ssl/sni-automap-attributes"
    }
}
```

Modify Object

POST

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

Replace Object

PUT

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

```
PUT /axapi/v3/slb/ssl/sni-automap-attributes
Payload:
{
    "sni-automap-attributes": {
        "sni-lower-limit": 2,
        "sni-upper-limit": 3
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/ssl/sni-automap-attributes

sni-automap-attributes attributes

```
DELETE /axapi/v3/slb/ssl/sni-automap-attributes
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

sni-automap-attributes attributes

sni-delete-factor

Description Contexts are deleted in groups of this value. Default is 50

Type: number

Range: 1-10000

Default: 50

sni-lower-limit

Description Lower limit for free SNI contexts count. Default is 500

Type: number

Range: 1-65536

Default: 500

sni-upper-limit

Description Upper limit for free SNI contexts count. Default is 2000

Type: number

Range: 1-65536

Default: 2000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.218 slb ssl-stats oper

Operational Status for the object ssl-stats

ssl-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-stats
Element URI	/axapi/v3/slb/ssl-stats/oper
Element Attributes	ssl-stats_attributes
Partition Visibility	None
Schema	`ssl-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/ssl-stats/oper

ssl-stats attributes

Get Object

GET

/axapi/v3/slb/ssl-stats/oper

ssl-stats attributes

Modify Object

POST

/axapi/v3/slb/ssl-stats/oper

ssl-stats attributes

Replace Object

PUT

/axapi/v3/slb/ssl-stats/oper

ssl-stats attributes

Delete Object

DELETE

/axapi/v3/slb/ssl-stats/oper

ssl-stats attributes

ssl-stats attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

bypass-ad-group-sessions

Description Bypass AD-Group sessions

Type: number

bypass-cert-issuer-sessions

Description Bypass Cert Issuer sessions

Type: number

bypass-cert-san-sessions

Description Bypass Cert SAN sessions

Type: number

bypass-cert-subject-sessions

Description Bypass Cert Subject sessions

Type: number

bypass-client-auth-sessions

Description Bypass Client Auth sessions

Type: number

bypass-esni-sessions

Description Bypass ESNI sessions

Type: number

bypass-failsafe-sessions

Description Bypass failsafe SSL sessions

Type: number

bypass-no-sni-sessions

Description Bypass No SNI sessions

Type: number

bypass-sni-sessions

Description Bypass SNI sessions

Type: number

bypass-usename-sessions

Description Bypass Username sessions

Type: number

ca-verification-failures

Description SSL fail CA verification

Type: number

certificate-signing-failures

Description Failed in Certificate Signing

Type: number

certificate-verification-failures

Description Failed in Certificate Verification

Type: number

client-cert-auth-fail

Description SSL client certificate authorization failed

Type: number

client-ssl-fatal-alert

Description Cert Fetch, SSL Fatal Alert

Type: number

client-ssl-fin-reset

Description Cert Fetch, TCP FIN/RST

Type: number

client-ssl-internal-error

Description Client SSL Internal Error

Type: number

client-ssl-unknown-error

Description Client SSL Unknown Error

Type: number

clientssl-context-malloc-fail

Description Total client ssl context malloc failures

Type: number

config-module-type

Description Config module

Type: string

cryptio-operations

Description Crypto operations

Type: number

curr-ssl-contexts

Description Current SSL contexts in use

Type: number

current-clientside-connections

Description Current clientside SSL connections

Type: number

current-serverside-connections

Description Current serverside SSL connections

Type: number

drop-esni-sessions

Description Drop ESNI sessions

Type: number

dynamic-ssl-contexts

Description Current Dynamic SSL contexts

Type: number

failed-crypto

Description Failed crypto operations

Type: number

failed-handshakes

Description Failed SSL handshakes

Type: number

fp-fail-aflex

Description aFleX fail

Type: number

fp-fail-handshake

Description Cert fetch, Fatal alert

Type: number

fp-fail-tcp-error

Description Cert fetch, TCP FIN/RST

Type: number

fp-fail-verify-cert

Description Cert fetch, validation error

Type: number

hw-context-alloc-fail

Description HW Context Memory alloc failed

Type: number

hw-context-total

Description HW Context Memory Total Count

Type: number

hw-context-usage

Description HW Context Memory In Use

Type: number

hw-ring-full

Description HW ring full

Type: number

invalid-ocsp-stapling-response

Description Invalid OCSP Stapling Response

Type: number

max-ssl-contexts

Description Maximum SSL contexts

Type: number

non-ssl-bypass-connections

Description NON SSL bypass connections

Type: number

record-too-big

Description Record too big

Type: number

reset-no-sni-sessions

Description Reset NO SNI sessions

Type: number

revoked-ocsp-response

Description Revoked OCSP Response

Type: number

server-cert-errors

Description SSL server certificate errors

Type: number

server-ssl-fatal-alert

Description Server SSL, SSL Fatal alert

Type: number

server-ssl-fin-reset

Description Server SSL, TCP FIN/RST

Type: number

server-ssl-internal-error

Description Server SSL Internal Error

Type: number

server-ssl-unknown-error

Description Server SSL Unknown Error

Type: number

ssl-handshake-failure

Description Failed in SSL handshakes

Type: number

ssl-memory-usage

Description SSL memory usage

Type: number

ssl-module-stats

Type: List

ssl-module-type

Description SSL module

Type: string

ssl-modules-count

Description Number of SSL modules

Type: number

ssl-session-fin-reset

Description SSL Session, TCP FIN/RST

Type: number

static-ssl-contexts

Description Current Static SSL contexts

Type: number

tcp-failures

Description Failed in TCP

Type: number

thales-hsm-status

Description Thales HSM Status

Type: string

Supported Values: Enabled, Disabled

total-clientside-connections

Description Total clientside SSL connections

Type: number

total-clientside-early-data-connections

Description Total clientside early data connections

Type: number

total-clientside-failed-early-data-connections

Description Total clientside failed early data connections

Type: number

total-reuse-client-ssl

Description Total times of stateful session reuse in client ssl

Type: number

total-reuse-server-ssl

Description Total times of stateful session reuse in server ssl

Type: number

total-reuse-session-ticket-client-ssl

Description Total times of stateless session reuse in client ssl

Type: number

total-reuse-session-ticket-server-ssl

Description Total times of stateless session reuse in server ssl

Type: number

total-serverside-connections

Description Total serverside SSL connections

Type: number

total-serverside-early-data-connections

Description Total serverside early data connections

Type: number

total-serverside-failed-early-data-connections

Description Total serverside failed early data connections

Type: number

unsupported-ssl-version

Description Unsupported SSL Version

Type: number

util-enable-status

Description current module percentage enable Status

Type: string

Supported Values: Enabled, Disabled

oper_ssl-module-stats

Specification	Value
Type	*list*
Block object keys	

10sec-rate

Description Average module percentage per 10 sec

Type: number

1sec-rate

Description Average module percentage per sec

Type: number

30sec-rate

Description Average module percentage per 30 sec

Type: number

5sec-rate

Description Average module percentage per 5 sec

Type: number

60sec-rate

Description Average module percentage per 60 sec

Type: number

requests-handled

Description Number of requests handled

Type: number

ssl-modules-index

Description SSL module index

Type: number

total-available-crypto-engines

Description Number of available crypto engines

Type: number

total-enabled-crypto-engines

Description Number of enabled crypto engines

Type: number

util-percentage

Description current module percentage per sec

Type: number

2.120.219 slb svm-source-nat

Configure SVM Source-NAT Pool

svm-source-nat Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	svm-source-nat
Element URI	/axapi/v3/slb/svm-source-nat
Element Attributes	svm-source-nat_attributes
Partition Visibility	shared
Schema	`svm-source-nat schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

```
POST /axapi/v3/slb/svm-source-nat
Payload:
{
    "svm-source-nat": {
        "pool": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

```
GET /axapi/v3/slb/svm-source-nat
Reponse:
{
    "svm-source-nat": {
        "pool": "a",
        "uuid": "5172209e-b62b-11ef-9219-ae71681635d0",
        "a10-url": "/axapi/v3/slb/svm-source-nat"
    }
}
```

Modify Object

POST

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

Replace Object

PUT

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

```
PUT /axapi/v3/slb/svm-source-nat
Payload:
{
    "svm-source-nat": {
        "pool": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/svm-source-nat

svm-source-nat attributes

```
DELETE /axapi/v3/slb/svm-source-nat
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

svm-source-nat attributes

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.220 slb switch

Configure slb switch

switch Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	switch
Element URI	/axapi/v3/slb/switch
Element Attributes	switch_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/switch/stats
Schema	`switch schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/switch

switch attributes

```
POST /axapi/v3/slb/switch
Payload:
{
    "switch": {
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/switch

switch attributes

```
GET /axapi/v3/slb/switch
Reponse:
{
    "switch": {
        "uuid": "5172e326-b62b-11ef-9219-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/slb/switch"
    }
}
```

Modify Object

POST

/axapi/v3/slb/switch

switch attributes

Replace Object

PUT

/axapi/v3/slb/switch

switch attributes

```
PUT /axapi/v3/slb/switch
Payload:
{
    "switch": {
        "sampling-enable": [
            {
                "counters1": "fwlb"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/switch

switch attributes

```
DELETE /axapi/v3/slb/switch
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

switch attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description ‘all’: all; ‘fwlb’: FWLB; ‘licexpire_drop’: License Expire Drop; ‘bwl_drop’: BW Limit Drop; ‘rx_kernel’: Received kernel; ‘rx_arp_req’: ARP REQ Rcvd; ‘rx_arp_resp’: ARP RESP Rcvd; ‘vlan_flood’: VLAN Flood; ‘l2_def_vlan_drop’: L2 Default Vlan FWD Drop; ‘ipv4_noroute_drop’: IPv4 No Route Drop; ‘ipv6_noroute_drop’: IPv6 No Route Drop; ‘prot_down_drop’: Prot Down Drop; ‘l2_forward’: L2 Forward; ‘l3_forward_ip’: L3 IP Forward; ‘l3_forward_ipv6’: L3 IPv6 Forward; ‘l4_process’: L4 Process; ‘unknown_prot_drop’: Unknown Prot Drop; ‘ttl_exceeded_drop’: TTL Exceeded Drop; ‘linkdown_drop’: Link Down Drop; ‘sport_drop’: SPORT Drop; ‘incorrect_len_drop’: Incorrect Length Drop; ‘ip_defrag’: IP Defrag; ‘acl_deny’: ACL Denys; ‘ipfrag_tcp’: IP(TCP) Fragment Rcvd; ‘ipfrag_overlap’: IP Fragment Overlap; ‘ipfrag_timeout’: IP Fragment Timeout; ‘ipfrag_overload’: IP Frag Overload Drops; ‘ipfrag_reasmoks’: IP Fragment Reasm OKs; ‘ipfrag_reasmfails’: IP Fragment Reasm Fails; ‘land_drop’: Anomaly Land Attack Drop; ‘ipoptions_drop’: Anomaly IP OPT Drops; ‘badpkt_drop’: Bad Pkt Drop; ‘pingofdeath_drop’: Anomaly PingDeath

Drop; 'allfrag_drop': Anomaly All Frag Drop; 'tcpnoflag_drop': Anomaly TCP noFlag Drop; 'tcpsynfrag_drop': Anomaly SYN Frag Drop; 'tcpsynfin_drop': Anomaly TCP SYN-FIN Drop; 'ipsec_drop': IPSec Drop; 'bpdu_rcvd': BPDUs Received; 'bpdu_sent': BPDUs Sent; 'ctrl_syn_rate_drop': SYN rate exceeded Drop; 'ip_defrag_invalid_len': IP Invalid Length Frag; 'ipv4_frag_6rd_ok': IPv4 Frag 6RD OK; 'ipv4_frag_6rd_drop': IPv4 Frag 6RD Dropped; 'no_ip_drop': No IP Drop; 'ipv6frag_udp': IPv6 Frag UDP; 'ipv6frag_udp_dropped': IPv6 Frag UDP Dropped; 'ipv6frag_tcp_dropped': IPv6 Frag TCP Dropped; 'ipv6frag_ipip_ok': IPv6 Frag IPIP OKs; 'ipv6frag_ipip_dropped': IPv6 Frag IPIP Drop; 'ip_frag_oversize': IP Fragment oversize; 'ip_frag_too_many': IP Fragment too many; 'ipv4_novlanfwd_drop': IPv4 No L3 VLAN FWD Drop; 'ipv6_novlanfwd_drop': IPv6 No L3 VLAN FWD Drop; 'fpga_error_pkt1': FPGA Error PKT1; 'fpga_error_pkt2': FPGA Error PKT2; 'max_arp_drop': Max ARP Drop; 'ipv6frag_tcp': IPv6 Frag TCP; 'ipv6frag_icmp': IPv6 Frag ICMP; 'ipv6frag_ospf': IPv6 Frag OSPF; 'ipv6frag_esp': IPv6 Frag ESP; 'l4_in_ctrl_cpu': L4 In Ctrl CPU; 'mgmt_svc_drop': Management Service Drop; 'jumbo_frag_drop': Jumbo Frag Drop; 'ipv6_jumbo_frag_drop': IPv6 Jumbo Frag Drop; 'ip-ipv6_jumbo_frag_drop': IPIPv6 Jumbo Frag Drop; 'ipv6_ndisc_dad_solicits': IPv6 DAD on Solicits; 'ipv6_ndisc_dad_adverts': IPv6 DAD on Adverts; 'ipv6_ndisc_mac_changes': IPv6 DAD MAC Changed; 'ipv6_ndisc_out_of_memory': IPv6 DAD Out-of-memory; 'sp_non_ctrl_pkt_drop': Shared IP mode non ctrl packet to linux drop; 'urpf_pkt_drop': URPF check packet drop; 'fw_smp_zone_mismatch': FW SMP Zone Mismatch; 'ipfrag_udp': IP(UDP) Fragment Rcvd; 'ipfrag_icmp': IP(ICMP) Fragment Rcvd; 'ipfrag_ospf': IP(OSPF) Fragment Rcvd; 'ipfrag_esp': IP(ESP) Fragment Rcvd; 'ipfrag_tcp_dropped': IP Frag TCP Dropped; 'ipfrag_udp_dropped': IP Frag UDP Dropped; 'ipfrag_ipip_dropped': IP Frag IPIP Drop; 'redirect_fwd_fail': Redirect failed in the fwd direction; 'redirect_fwd_sent': Redirect succeeded in the fwd direction; 'redirect_rev_fail': Redirect failed in the rev direction; 'redirect_rev_sent': Redirect succeeded in the rev direction; 'redirect_setup_fail': Redirect connection setup failed; 'ip_frag_sent': IP frag sent; 'invalid_rx_arp_pkt': Invalid ARP PKT Rcvd; 'invalid_sender_mac_arp_drop': ARP PKT dropped due to invalid sender MAC; 'dev_based_arp_drop': ARP PKT dropped due to interface state checks; 'scaleout_arp_drop': ARP PKT dropped due to scaleout checks; 'virtual_ip_not_found_arp_drop': ARP PKT dropped due to virtual IP not found; 'inactive_static_nat_pool_arp_drop': ARP PKT dropped due to inactive static nat pool; 'inactive_nat_pool_arp_drop': ARP PKT dropped due to inactive nat pool; 'scaleout_hairpin_arp_drop': ARP PKT dropped due to scaleout hairpin checks; 'self_grat_arp_drop': Self generated grat ARP PKT dropped; 'self_grat_nat_ip_arp_drop': Self generated grat ARP PKT dropped for NAT IP; 'ip_not_found_arp_drop': ARP PKT dropped due to IP not found; 'dev_link_down_arp_drop': ARP PKT dropped due to interface is down; 'lacp_tx_intf_err_drop': LACP interface error corrected; 'service_chain_sent': Service Chain Packets Sent; 'service_chain_rcvd': Service Chain Packets Rcvd; 'unnumbered_nat_error': Unnumbered NAT error; 'unnumbered_unsupported_drop': Unsupported protocol for unnumbered; 'ipv6frag_gre_dropped': IPv6 Frag gre Drop; 'ipv6_ndisc_dad_prefix_mismatch_drop': IPv6 DAD on Advertise drop for prefix mismatch; 'bw_ignore_limit': BW Limit ignored packets count; 'ppsl_drop_egr': Packet-Per-Sec Limit Drop at egress; 'ppsl_drop_ing': Packet-Per-Sec Limit Drop at ingress; 'ppsl_ignore_limit': Packet-Per-Sec Limit ignored packets count; 'closed_port_syn_drop': Linux Closed Port SYN Drop;

Type: string

Supported Values: all, fwlb, licexpire_drop, bwl_drop, rx_kernel, rx_arp_req, rx_arp_resp, vlan_flood, l2_def_vlan_drop, ipv4_noroute_drop, ipv6_noroute_drop, prot_down_drop, l2_forward, l3_forward_ip, l3_forward_ipv6, l4_process, unknown_prot_drop, ttl_exceeded_drop, linkdown_drop, sport_drop, incorrect_len_drop, ip_defrag, acl_deny, ipfrag_tcp, ipfrag_overlap, ipfrag_timeout, ipfrag_overload, ipfrag_reasmoks, ipfrag_reasmfails, land_drop, ipoptions_drop, badpkt_drop, pingofdeath_drop, allfrag_drop, tcpnoflag_drop, tcpsynfrag_drop, tcpsynfin_drop, ipsec_drop, bpdu_rcvd, bpdu_sent,

ctrl_syn_rate_drop, ip_defrag_invalid_len, ipv4_frag_6rd_ok, ipv4_frag_6rd_drop, no_ip_drop, ipv6frag_udp, ipv6frag_udp_dropped, ipv6frag_tcp_dropped, ipv6frag_ipip_ok, ipv6frag_ipip_dropped, ip_frag_oversize, ip_frag_too_many, ipv4_novlanfwd_drop, ipv6_novlanfwd_drop, fpga_error_pkt1, fpga_error_pkt2, max_arp_drop, ipv6frag_tcp, ipv6frag_icmp, ipv6frag_ospf, ipv6frag_esp, l4_in_ctrl_cpu, mgmt_svc_drop, jumbo_frag_drop, ipv6_jumbo_frag_drop, ipipv6_jumbo_frag_drop, ipv6_ndisc_dad_solicits, ipv6_ndisc_dad_adverts, ipv6_ndisc_mac_changes, ipv6_ndisc_out_of_memory, sp_non_ctrl_pkt_drop, urpf_pkt_drop, fw_smp_zone_mismatch, ipfrag_udp, ipfrag_icmp, ipfrag_ospf, ipfrag_esp, ipfrag_tcp_dropped, ipfrag_udp_dropped, ipfrag_ipip_dropped, redirect_fwd_fail, redirect_fwd_sent, redirect_rev_fail, redirect_rev_sent, redirect_setup_fail, ip_frag_sent, invalid_rx_arp_pkt, invalid_sender_mac_arp_drop, dev_based_arp_drop, scaleout_arp_drop, virtual_ip_not_found_arp_drop, inactive_static_nat_pool_arp_drop, inactive_nat_pool_arp_drop, scaleout_hairpin_arp_drop, self_grat_arp_drop, self_grat_nat_ip_arp_drop, ip_not_found_arp_drop, dev_link_down_arp_drop, lacp_tx_intf_err_drop, service_chain_sent, service_chain_rcvd, unnumbered_nat_error, unnumbered_unsupported_drop, ipv6frag_gre_dropped, ipv6_ndisc_dad_prefix_mismatch_drop, bw_ignore_limit, ppsl_drop_egr, ppsl_drop_ing, ppsl_ignore_limit, closed_port_syn_drop, ip_icmp_error_drop, tls13_drop_req, tls13_ignore_req, tls12_drop_req, tls12_ignore_req, tls12_tls13_drop_req, tls12_tls13_ignore_req, mac_movement

2.120.221 slb switch stats

Statistics for the object switch

switch Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	switch
Element URI	/axapi/v3/slb/switch/stats
Element Attributes	switch_attributes
Partition Visibility	None
Schema	`switch schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/switch/stats

switch attributes

Get Object

GET

/axapi/v3/slb/switch/stats

switch attributes

Modify Object

POST

/axapi/v3/slb/switch/stats

switch attributes

Replace Object

PUT

/axapi/v3/slb/switch/stats

switch attributes

Delete Object

DELETE

/axapi/v3/slb/switch/stats

switch attributes

switch attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

acl_deny

Description ACL Denys

Type: number

Format: counter

badpkt_drop

Description Bad Pkt Drop

Type: number

Format: counter

bpdu_rcvd

Description BPDUs Received

Type: number

Format: counter

bpdu_sent

Description BPDUs Sent

Type: number

Format: counter

bw_ignore_limit

Description BW Limit ignored packets count

Type: number

Format: counter

bwl_drop

Description BW Limit Drop

Type: number

Format: counter

closed_port_syn_drop

Description Linux Closed Port SYN Drop

Type: number

Format: counter

ctrl_syn_rate_drop

Description SYN rate exceeded Drop

Type: number

Format: counter

dev_based_arp_drop

Description ARP PKT dropped due to interface state checks

Type: number

Format: counter

dev_link_down_arp_drop

Description ARP PKT dropped due to interface is down

Type: number

Format: counter

fpga_error_pkt1

Description FPGA Error PKT1

Type: number

Format: counter

fpga_error_pkt2

Description FPGA Error PKT2

Type: number

Format: counter

fw_smp_zone_mismatch

Description FW SMP Zone Mismatch

Type: number

Format: counter

fwlb

Description FWLB

Type: number

Format: counter

inactive_nat_pool_arp_drop

Description ARP PKT dropped due to inactive nat pool

Type: number

Format: counter

inactive_static_nat_pool_arp_drop

Description ARP PKT dropped due to inactive static nat pool

Type: number

Format: counter

incorrect_len_drop

Description Incorrect Length Drop

Type: number

Format: counter

invalid_rx_arp_pkt

Description Invalid ARP PKT Rcvd

Type: number

Format: counter

invalid_sender_mac_arp_drop

Description ARP PKT dropped due to invalid sender MAC

Type: number

Format: counter

ip_defrag

Description IP Defrag

Type: number

Format: counter

ip_defrag_invalid_len

Description IP Invalid Length Frag

Type: number

Format: counter

ip_frag_oversize

Description IP Fragment oversize

Type: number

Format: counter

ip_frag_sent

Description IP frag sent

Type: number

Format: counter

ip_frag_too_many

Description IP Fragment too many

Type: number

Format: counter

ip_icmp_error_drop

Description IP ICMP Error Drop

Type: number

Format: counter

ip_not_found_arp_drop

Description ARP PKT dropped due to IP not found

Type: number

Format: counter

ipfrag_esp

Description IP(ESP) Fragment Rcvd

Type: number

Format: counter

ipfrag_icmp

Description IP(ICMP) Fragment Rcvd

Type: number

Format: counter

ipfrag_ipip_dropped

Description IP Frag IPIP Drop

Type: number

Format: counter

ipfrag_ospf

Description IP(OSPF) Fragment Rcvd

Type: number

Format: counter

ipfrag_overlap

Description IP Fragment Overlap

Type: number

Format: counter

ipfrag_overload

Description IP Frag Overload Drops

Type: number

Format: counter

ipfrag_reasmfails

Description IP Fragment Reasm Fails

Type: number

Format: counter

ipfrag_reasmoks

Description IP Fragment Reasm OKs

Type: number

Format: counter

ipfrag_tcp

Description IP(TCP) Fragment Rcvd

Type: number

Format: counter

ipfrag_tcp_dropped

Description IP Frag TCP Dropped

Type: number

Format: counter

ipfrag_timeout

Description IP Fragment Timeout

Type: number

Format: counter

ipfrag_udp

Description IP(UDP) Fragment Rcvd

Type: number

Format: counter

ipfrag_udp_dropped

Description IP Frag UDP Dropped

Type: number

Format: counter

ipipv6_jumbo_frag_drop

Description IPIPv6 Jumbo Frag Drop

Type: number

Format: counter

ipsec_drop

Description IPSec Drop

Type: number

Format: counter

ipv4_frag_6rd_drop

Description IPv4 Frag 6RD Dropped

Type: number

Format: counter

ipv4_frag_6rd_ok

Description IPv4 Frag 6RD OK

Type: number

Format: counter

ipv4_noroute_drop

Description IPv4 No Route Drop

Type: number

Format: counter

ipv4_novlanfwd_drop

Description IPv4 No L3 VLAN FWD Drop

Type: number

Format: counter

ipv6_jumbo_frag_drop

Description IPv6 Jumbo Frag Drop

Type: number

Format: counter

ipv6_ndisc_dad_adverts

Description IPv6 DAD on Adverts

Type: number

Format: counter

ipv6_ndisc_dad_prefix_mismatch_drop

Description IPv6 DAD on Advertise drop for prefix mismatch

Type: number

Format: counter

ipv6_ndisc_dad_solicits

Description IPv6 DAD on Solicits

Type: number

Format: counter

ipv6_ndisc_mac_changes

Description IPv6 DAD MAC Changed

Type: number

Format: counter

ipv6_ndisc_out_of_memory

Description IPv6 DAD Out-of-memory

Type: number

Format: counter

ipv6_noroute_drop

Description IPv6 No Route Drop

Type: number

Format: counter

ipv6_novlanfwd_drop

Description IPv6 No L3 VLAN FWD Drop

Type: number

Format: counter

ipv6frag_esp

Description IPv6 Frag ESP

Type: number

Format: counter

ipv6frag_gre_dropped

Description IPv6 Frag gre Drop

Type: number

Format: counter

ipv6frag_icmp

Description IPv6 Frag ICMP

Type: number

Format: counter

ipv6frag_ipip_dropped

Description IPv6 Frag IPIP Drop

Type: number

Format: counter

ipv6frag_ipip_ok

Description IPv6 Frag IPIP OKs

Type: number

Format: counter

ipv6frag_ospf

Description IPv6 Frag OSPF

Type: number

Format: counter

ipv6frag_tcp

Description IPv6 Frag TCP

Type: number

Format: counter

ipv6frag_tcp_dropped

Description IPv6 Frag TCP Dropped

Type: number

Format: counter

ipv6frag_udp

Description IPv6 Frag UDP

Type: number

Format: counter

ipv6frag_udp_dropped

Description IPv6 Frag UDP Dropped

Type: number

Format: counter

jumbo_frag_drop

Description Jumbo Frag Drop

Type: number

Format: counter

l2_def_vlan_drop

Description L2 Default Vlan FWD Drop

Type: number

Format: counter

l2_forward

Description L2 Forward

Type: number

Format: counter

l3_forward_ip

Description L3 IP Forward

Type: number

Format: counter

l3_forward_ipv6

Description L3 IPv6 Forward

Type: number

Format: counter

l4_in_ctrl_cpu

Description L4 In Ctrl CPU

Type: number

Format: counter

l4_process

Description L4 Process

Type: number

Format: counter

lacp_tx_intf_err_drop

Description LACP interface error corrected

Type: number

Format: counter

licexpire_drop

Description License Expire Drop

Type: number

Format: counter

linkdown_drop

Description Link Down Drop

Type: number

Format: counter

mac_movement

Description MAC movement

Type: number

Format: counter

max_arp_drop

Description Max ARP Drop

Type: number

Format: counter

mgmt_svc_drop

Description Management Service Drop

Type: number

Format: counter

no_ip_drop

Description No IP Drop

Type: number

Format: counter

ppsl_drop_egr

Description Packet-Per-Sec Limit Drop at egress

Type: number

Format: counter

ppsl_drop_ing

Description Packet-Per-Sec Limit Drop at ingress

Type: number

Format: counter

ppsl_ignore_limit

Description Packet-Per-Sec Limit ignored packets count

Type: number

Format: counter

prot_down_drop

Description Prot Down Drop

Type: number

Format: counter

redirect_fwd_fail

Description Redirect failed in the fwd direction

Type: number

Format: counter

redirect_fwd_sent

Description Redirect succeeded in the fwd direction

Type: number

Format: counter

redirect_rev_fail

Description Redirect failed in the rev direction

Type: number

Format: counter

redirect_rev_sent

Description Redirect succeeded in the rev direction

Type: number

Format: counter

redirect_setup_fail

Description Redirect connection setup failed

Type: number

Format: counter

rx_arp_req

Description ARP REQ Rcvd

Type: number

Format: counter

rx_arp_resp

Description ARP RESP Rcvd

Type: number

Format: counter

rx_kernel

Description Received kernel

Type: number

Format: counter

scaleout_arp_drop

Description ARP PKT dropped due to scaleout checks

Type: number

Format: counter

scaleout_hairpin_arp_drop

Description ARP PKT dropped due to scaleout hairpin checks

Type: number

Format: counter

self_grat_arp_drop

Description Self generated grat ARP PKT dropped

Type: number

Format: counter

self_grat_nat_ip_arp_drop

Description Self generated grat ARP PKT dropped for NAT IP

Type: number

Format: counter

service_chain_rcvd

Description Service Chain Packets Rcvd

Type: number

Format: counter

service_chain_sent

Description Service Chain Packets Sent

Type: number

Format: counter

sp_non_ctrl_pkt_drop

Description Shared IP mode non ctrl packet to linux drop

Type: number

Format: counter

sport_drop

Description SPORT Drop

Type: number

Format: counter

tls12_drop_req

Description TLS12-Request-Per-Sec Limit Drop at ingress

Type: number

Format: counter

tls12_ignore_req

Description TLS12-Request-Per-Sec Limit ignored packets count

Type: number

Format: counter

tls12_tls13_drop_req

Description TLS12–TLS13-Request-Per-Sec Limit Drop at ingress

Type: number

Format: counter

tls12_tls13_ignore_req

Description TLS12-TLS13-Request-Per-Sec Limit ignored packets count

Type: number

Format: counter

tls13_drop_req

Description TLS13-Request-Per-Sec Limit Drop at ingress

Type: number

Format: counter

tls13_ignore_req

Description TLS13-Request-Per-Sec Limit ignored packets count

Type: number

Format: counter

ttl_exceeded_drop

Description TTL Exceeded Drop

Type: number

Format: counter

unknown_prot_drop

Description Unknown Prot Drop

Type: number

Format: counter

unnumbered_nat_error

Description Unnumbered NAT error

Type: number

Format: counter

unnumbered_unsupported_drop

Description Unsupported protocol for unnumbered

Type: number

Format: counter

urpf_pkt_drop

Description URPF check packet drop

Type: number

Format: counter

virtual_ip_not_found_arp_drop

Description ARP PKT dropped due to virtual IP not found

Type: number

Format: counter

vlan_flood

Description VLAN Flood

Type: number

Format: counter

2.120.222 slb telemetry-log

telemetry logs to be sent out

telemetry-log Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	telemetry-log
Element URI	/axapi/v3/slb/telemetry-log
Element Attributes	telemetry-log_attributes
Partition Visibility	None
Schema	`telemetry-log schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/telemetry-log

telemetry-log_attributes

telemetry-log attributes

2.120.223 slb template

Define an SLB template

template Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/slb/template
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/template

template_attributes

template attributes

cache-list

Type: List

Reference Object: */axapi/v3/slb/template/cache/{name}*

cipher-list

Type: List

Reference Object: */axapi/v3/slb/template/cipher/{name}*

client-ssh-list

Type: List

Reference Object: */axapi/v3/slb/template/client-ssh/{name}*

client-ssl-list

Type: List

Reference Object: */axapi/v3/slb/template/client-ssl/{name}*

connection-reuse-list

Type: List

Reference Object: */axapi/v3/slb/template/connection-reuse/{name}*

dblb-list

Type: List

Reference Object: */axapi/v3/slb/template/dblb/{name}*

diameter-list

Type: List

Reference Object: */axapi/v3/slb/template/diameter/{name}*

dns-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}*

dns-logging-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}*

doh-list

Type: List

Reference Object: */axapi/v3/slb/template/doh/{name}*

dynamic-service-list

Type: List

Reference Object: */axapi/v3/slb/template/dynamic-service/{name}*

external-service-list

Type: List

Reference Object: */axapi/v3/slb/template/external-service/{name}*

fix-list

Type: List

Reference Object: */axapi/v3/slb/template/fix/{name}*

ftp-list

Type: List

Reference Object: */axapi/v3/slb/template/ftp/{name}*

http-list

Type: List

Reference Object: */axapi/v3/slb/template/http/{name}*

http-policy-list

Type: List

Reference Object: */axapi/v3/slb/template/http-policy/{name}*

imap-pop3-list

Type: List

Reference Object: */axapi/v3/slb/template/imap-pop3/{name}*

link-block-as-down

Description: link-block-as-down is a **JSON Block**. Please see below for *link-block-as-down*

Type: Object

Reference Object: */axapi/v3/slb/template/link-block-as-down*

link-cost-list

Type: List

Reference Object: */axapi/v3/slb/template/link-cost/{name}*

link-down-on-restart

Description: link-down-on-restart is a **JSON Block**. Please see below for *link-down-on-restart*

Type: Object

Reference Object: */axapi/v3/slb/template/link-down-on-restart*

link-probe-list

Type: List

Reference Object: */axapi/v3/slb/template/link-probe/{name}*

logging-list

Type: List

Reference Object: */axapi/v3/slb/template/logging/{name}*

monitor-list

Type: List

Reference Object: */axapi/v3/slb/template/monitor/{id}*

mqtt-list

Type: List

Reference Object: */axapi/v3/slb/template/mqtt/{name}*

persist

Description: persist is a **JSON Block**. Please see below for *persist*

Type: Object

Reference Object: */axapi/v3/slb/template/persist*

policy-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}*

port-list

Type: List

Reference Object: */axapi/v3/slb/template/port/{name}*

quic-list

Type: List

Reference Object: */axapi/v3/slb/template/quic/{name}*

reqmod-icap-list

Type: List

Reference Object: */axapi/v3/slb/template/reqmod-icap/{name}*

respmod-icap-list

Type: List

Reference Object: */axapi/v3/slb/template/respmod-icap/{name}*

server-list

Type: List

Reference Object: */axapi/v3/slb/template/server/{name}*

server-ssh-list

Type: List

Reference Object: */axapi/v3/slb/template/server-ssh/{name}*

server-ssl-list

Type: List

Reference Object: */axapi/v3/slb/template/server-ssl/{name}*

sip-list

Type: List

Reference Object: */axapi/v3/slb/template/sip/{name}*

smpp-list

Type: List

Reference Object: */axapi/v3/slb/template/smpp/{name}*

smtp-list

Type: List

Reference Object: */axapi/v3/slb/template/smtp/{name}*

ssli-list

Type: List

Reference Object: */axapi/v3/slb/template/ssli/{name}*

tcp-list

Type: List

Reference Object: */axapi/v3/slb/template/tcp/{name}*

tcp-proxy-list

Type: List

Reference Object: */axapi/v3/slb/template/tcp-proxy/{name}*

udp-list

Type: List

Reference Object: */axapi/v3/slb/template/udp/{name}*

virtual-port-list

Type: List

Reference Object: */axapi/v3/slb/template/virtual-port/{name}*

virtual-server-list

Type: List

Reference Object: */axapi/v3/slb/template/virtual-server/{name}*

logging-list

Specification	Value
Type	*list*
Block object keys	

auto

Description 'auto': Configure auto NAT for logging, default is auto enabled;

Type: string

Supported Values: auto

Default: auto

Mutual Exclusion: auto and pool are mutually exclusive

format

Description Specify a format string for web logging (format string(less than 250 characters) for web logging)

Type: string

Format: string-rlx

Maximum Length: 250 characters

Maximum Length: 1 characters

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

Default: 0

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

Default: 0

local-logging

Description 1 to enable local logging (1 to enable local logging, default 0)

Type: number

Range: 0-1

Default: 0

mask

Description Character to mask the matched pattern (default: X)

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: X

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in the log

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: pool, shared-partition-pool, and auto are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cache-list

Specification	Value
Type	*list*
Block object keys	

accept-reload-req

Description Accept reload requests via cache-control directives in HTTP headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

age

Description Specify duration in seconds cached content valid, default is 3600 seconds (seconds that the cached content is valid (default 3600 seconds))

Type: number

Range: 1-999999

Default: 3600

default-policy-nocache

Description Specify default policy to be to not cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-age

Description Disable insertion of age header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-via

Description Disable insertion of via header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-uri-policy

Type: List

logging

Description Specify logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

max-cache-size

Description Specify maximum cache size in megabytes, default is 80MB (RAM cache size in megabytes (default 80MB))

Type: number

Range: 1-4096

Default: 80

max-content-size

Description Maximum size (bytes) of response that can be cached - default 81920 (80KB)

Type: number

Range: 0-268435455

Default: 81920

min-content-size

Description Minimum size (bytes) of response that can be cached - default 512

Type: number

Range: 0-268435455

Default: 512

name

Description Specify cache template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-templ-cache-tmpl*

remove-cookies

Description Remove cookies in response and cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replacement-policy

Description 'LFU': LFU;

Type: string

Supported Values: LFU

Default: LFU

sampling-enable

Type: List

uri-policy

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-host

Description Verify request using host before sending response from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-list_local-uri-policy

Specification	Value
Type	*list*
Block object keys	

local-uri

Description Specify Local URI for caching (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cache-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Cache hits; 'miss': Cache misses; 'bytes_served': Bytes served from cache; 'total_req': Total requests received; 'caching_req': Total requests to cache; 'nc_req_header': slbTemplateCacheNcReqHeader, help nc_req_header; 'nc_res_header': slbTemplateCacheNcResHeader, help nc_res_header; 'rv_success': some help string; 'rv_failure': slbTemplateCacheRvFailure, help rv_failure; 'ims_request': some help string; 'nm_response': some help string; 'rsp_type_CL': some help string; 'rsp_type_CE': some help string; 'rsp_type_304': some help string; 'rsp_type_other': some help string; 'rsp_no_compress': some help string; 'rsp_gzip': some help string; 'rsp_deflate': some help string; 'rsp_other': some help string; 'nocache_match': some help string; 'match': some help string; 'invalidate_match': some help string; 'content_toobig': slbTemplateCacheContentToobig, help content_toobig; 'content_toosmall': slbTemplateCacheContentToosmall, help content_toosmall; 'entry_create_failures': slbTemplateCacheEntryCreateFailures, help entry_create_failures; 'mem_size': some help string; 'entry_num': some help string; 'replaced_entry': some help string; 'aging_entry': some help string; 'cleaned_entry': some help string; 'rsp_type_stream': some help string; 'header_save_error': some help string; 'rsp_br': rsp_br;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream, header_save_error, rsp_br

cache-list_uri-policy

Specification	Value
Type	*list*
Block object keys	

cache-action

Description 'cache': Specify if certain URIs should be cached; 'nocache': Specify if certain URIs should not be cached;

Type: string

Supported Values: cache, nocache

cache-value

Description Specify seconds that content should be cached, default is age specified in cache template

Type: number

Range: 1-999999

invalidate

Description Specify if URI should invalidate cache entries matching pattern (pattern that would match entries to be invalidated (64 chars max))

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uri

Description Specify URI for cache policy (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list

Specification	Value
Type	*list*
Block object keys	

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server port (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-flaps

Description service dampening flaps count (max-flaps allowed in flap period)

Type: number

Range: 1-255

decrement

Description Decrease after every round of DNS query (default is 0)

Type: number

Range: 0-7

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-nat

Description Destination NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down-grace-period

Description Port down grace period (Down grace period in seconds)

Type: number

Range: 1-86400

down-timer

Description The timer to bring the marked down server/port to up (default is 0, never bring up) (The timer to bring up server (in second, default is 0))

Type: number

Range: 0-255

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

dynamic-member-priority

Description Set dynamic member's priority (Initial priority (default is 16))

Type: number

Range: 1-16

Default: 16

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

flap-period

Description take service out of rotation if max-flaps exceeded within time in seconds

Type: number

Range: 1-255

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

inband-health-check

Description Use inband traffic to detect port's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

name

Description Port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reassign

Description Maximum reassign times before declear the server/port down (default is 25) (The maximum reassign number)

Type: number

Range: 0-255

Default: 25

request-rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

request-rate-limit

Description Request rate limit

Type: number

Range: 1-1048575

request-rate-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resel-on-reset

Description When receiving reset from server, do the server/port reselection (default is 0, don't do reselection)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restore-svc-time

Description put the service back to the rotation after time in seconds

Type: number

Range: 1-4095

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

retry

Description Maximum retry times before reassign this connection to another server/port (default is 2) (The maximum retry number)

Type: number

Range: 0-7

Default: 2

shared-partition-pool

Description Reference a NAT pool or pool-group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and source-nat are mutually exclusive

slow-start

Description Slowly ramp up the connection number after port is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-nat

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: source-nat and shared-partition-pool are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

sub-group

Description Divide service group members into different sub groups (Sub group ID (default is 0))

Type: number

Range: 0-15

Default: 0

template-port-pool-shared

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight (port weight)

Type: number

Range: 1-1000

Default: 1

connection-reuse-list

Specification	Value
Type	*list*
Block object keys	

add-header

Description Insert HTTP Connection: keep-alive header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive-conn

Description Keep a number of server connections open

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit-per-server

Description Max Server Connections allowed (Connections per Server Port (default 1000))

Type: number

Range: 0-65535

Default: 1000

name

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

num-conn-per-port

Description Connections per Server Port (default 100)

Type: number

Range: 1-1024

Default: 100

preopen

Description Preopen server connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout in seconds. Multiple of 60 (default 2400)

Type: number

Range: 60-3600

Default: 2400

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-cost-list

Specification	Value
Type	*list*
Block object keys	

bandwidth-interval

Description Interval duration in seconds

Type: number

Range: 1-60

Default: 5

name

Description Server Link-Cost Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

overage-bandwidth-cost

Description Configure overage bandwidth cost on real server (Overage bandwidth cost per Mbpi)

Type: number

Range: 0-4294967295

Default: 0

prepaid-bandwidth

Description Configure prepaid bandwidth on real server (Prepaid Bandwidth in Mbpi)

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-cost-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'link_total_fwd_bytes': Total bytes fwd for link; 'interval_fwd_bytes': Link Cost bytes processed in forward direction per interval; 'link_total_conn': Link Cost total connection; 'interval_avg_throughput': Link Cost average throughput per interval; 'interval_max_throughput': Link Cost max throughput per interval;

Type: string

Supported Values: all, link_total_fwd_bytes, interval_fwd_bytes, link_total_conn, interval_avg_throughput, interval_max_throughput

reqmod-icap-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

allowed-http-methods

Description List of allowed HTTP methods. Default is "Allow All". (List of HTTP methods allowed (default "Allow All"))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 0 - 65535, default is 0

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reqmod-icap-list_bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass reqmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

smpp-list

Specification	Value
Type	*list*
Block object keys	

client-enquire-link

Description Respond client ENQUIRE_LINK packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password

Description Configure the password used to bind

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-enquire-link

Description Send server ENQUIRE_LINK packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-enquire-link-val

Description Set interval of keep-alive packet for each persistent connection (second, default is 30)

Type: number

Range: 5-300

Default: 30

server-selection-per-request

Description Force server selection on every SMPP request when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user

Description Configure the user to bind (The name used to bind)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp-list

Specification	Value
Type	*list*
Block object keys	

LF-to-CRLF

Description Change the LF to CRLF for smtp end of line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-domain-switching

Type: List

client-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue START-TLS command before mail transaction;

Type: string

Supported Values: optional, enforced

command-disable

Type: List

error-code-to-client

Description Would transfer error code(554) to client, when getting it from connection establishing with real-server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-domain

Description Config the domain of the email servers (Server's domain, default is "mail-server-domain")

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

Default: mail-server-domain

server-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue START-TLS command before mail transaction;

Type: string

Supported Values: optional, enforced

service-ready-msg

Description Set SMTP service ready message (SMTP service ready message, default is "ESMTP mail service ready")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: ESMTP mail service ready

template

Description: template is a **JSON Block**. Please see below for *smtp-list_template*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

smtp-list_client-domain-switching

Specification	Value
Type	*list*
Block object keys	

match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group

Description Select service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

switching-type

Description 'contains': Specify domain name string if domain contains another string; 'ends-with': Specify domain name string if domain ends with another string; 'starts-with': Specify domain string if domain starts with another string;

Type: string

Supported Values: contains, ends-with, starts-with

smtp-list_template

Specification	Value
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

smtp-list_command-disable

Specification	Value
Type	*list*
Block object keys	

disable-type

Description 'expn': Disable SMTP EXPN commands; 'turn': Disable SMTP TURN commands; 'vrfy': Disable SMTP VRFY commands;

Type: string

Supported Values: expn, turn, vrfy

external-service-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

name

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-forward-list

Type: List

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

type

Description 'skyfire-icap': Skyfire ICAP service; 'url-filter': URL filtering service;

Type: string

Supported Values: skyfire-icap, url-filter

Default: url-filter

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

external-service-list_bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass external service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

external-service-list_request-header-forward-list

Specification	Value
Type	*list*
Block object keys	

request-header-forward

Description Request header to be forwarded to external service (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tcp-list

Specification	Value
Type	*list*
Block object keys	

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

force-delete-timeout

Description The maximum time that a session can stay in the system before being delete (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being delete (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default off (half close idle timeout in second, default off)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default off (half open idle timeout in second, default off)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout value (Interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

initial-window-size

Description Set the initial window size (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lan-fast-ack

Description Enable fast TCP ack on LAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description Fast TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *tcp-list_proxy-header*

Type: Object

qos

Description QOS level (number)

Type: number

Range: 1-63

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-follow-fin

Description send reset to client or server upon receiving first fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-list_proxy-header

Specification	Value
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

proxy-header-version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

diameter-list

Specification	Value
Type	*list*
Block object keys	

avp-code

Description avp code

Type: number

Range: 1-2147483647

avp-list

Type: List

avp-string

Description pattern to be matched in the avp string name, max length 127 bytes

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

customize-cea

Description customizing cea response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dwr-time

Description dwr health-check timer interval (in 100 milli second unit, default is 100, 0 means unset this option)

Type: number

Range: 0-2147483647

Default: 100

dwr-up-retry

Description number of successful dwr health-check before declaring target up

Type: number

Range: 1-7

Default: 3

forward-to-latest-server

Description Forward client message to the latest server that sends message with the same session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-unknown-session-id

Description Forward server message even it has unknown session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description user sesison idle timeout (in minutes, default is 5)

Type: number

Range: 1-65535

Default: 5

load-balance-on-session-id

Description Load balance based on the session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-code-list

Type: List

multiple-origin-host

Description allowing multiple origin-host to a single server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description diameter template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

origin-host

Description: origin-host is a **JSON Block**. Please see below for *diameter-list_origin-host*

Type: Object

Reference Object: */axapi/v3/slb/template/diameter/{name}/origin-host*

origin-realm

Description origin-realm name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

product-name

Description product name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

relaxed-origin-host

Description Relaxed Origin-Host Format

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-name

Description service group name, this is the service group that the message needs to be copied to

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

session-age

Description user session age allowed (default 10), this is not idle-time (in minutes)

Type: number

Range: 1-65535

Default: 10

terminate-on-cca-t

Description remove diameter session when receiving CCA-T message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vendor-id

Description vendor-id avp (Vendor Id)

Type: number

Range: 0-2147483647

Default: 0

diameter-list_message-code-list

Specification	Value
Type	*list*
Block object keys	

message-code

Description

Type: number

Range: 1-2147483647

diameter-list_avp-list

Specification	Value
Type	*list*
Block object keys	

avp

Description customize avps for cer to the server (avp number)

Type: number

Range: 0-2147483647

int32

Description 32 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int32, int64, and string are mutually exclusive

int64

Description 64 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int64, int32, and string are mutually exclusive

mandatory

Description mandatory avp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

string

Description String (string name, max length 127 bytes)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: string, int32, and int64 are mutually exclusive

diameter-list_origin-host

Specification	Value
Type	*object*

origin-host-name

Description origin-host name avp

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp-list

Specification	Value
Type	*list*
Block object keys	

age

Description short age (in sec), default is 31

Type: number

Range: 1-31

avp

Description '4': NAS-IP-address; '8': Framed-IP-Address;

Type: string

Supported Values: 4, 8

disable-clear-session

Description Disable immediate clearing of session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description Idle Timeout value (Interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

immediate

Description Immediate Removal after Transaction

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: immediate and short are mutually exclusive

name

Description Fast UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

radius-lb-method-hash-type

Description 'ip': IP-Hash;

Type: string

Supported Values: ip, ipv6

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

short

Description Short lived session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: short and immediate are mutually exclusive

stateless-conn-timeout

Description Stateless Current Connection Timeout value (5 - 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 5-120

Default: 120

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6avp

Description '168': Framed-IPv6-Address; '97': Framed-IPv6-PrefixFramed-IPv6-Prefix;

Type: string

Supported Values: 168, 97

link-down-on-restart

Specification	Value
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-policy-list

Specification	Value
Type	*list*
Block object keys	

cookie-name

Description name of cookie to match (Cookie Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

geo-location-match

Type: List

http-policy-match

Type: List

multi-match-rule-list

Type: List

Reference Object: */axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}*

name

Description http-policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-policy-list_http-policy-match

Specification	Value
Type	*list*
Block object keys	

match-string

Description URL String, use "[no-name]" for empty query-param-name match, use "[no-value]" for empty query-param-value match

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

match-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

type

Description 'cookie': cookie value match; 'host': hostname match; 'url': URL match; 'header-name': header name match; 'header-value': header value match; 'query-param-name': query parameter name; 'query-param-value': query parameter value;

Type: string

Supported Values: cookie, host, url, header-name, header-value, query-param-name, query-param-value

http-policy-list_multi-match-rule-list

Specification	Value
Type	*list*
Block object keys	

cookie-name-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-contains-type

Description 'contains': Cookie name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-name-contains-type,cookie-name-equals-type, cookie-name-starts-with-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-ends-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-ends-with-type

Description 'ends-with': Cookie name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-name-ends-with-type,cookie-name-equals-type, cookie-name-contains-type, and cookie-name-starts-with-type are mutually exclusive

cookie-name-equals-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-equals-type

Description 'equals': Cookie name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-name-equals-type,cookie-name-contains-type, cookie-name-starts-with-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-starts-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-starts-with-type

Description 'starts-with': Cookie name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-name-starts-with-type,cookie-name-equals-type, cookie-name-contains-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-value-match

Description When enabled, the rule will match only when both cookie-name and cookie-value matches with same cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-value-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-contains-type

Description 'contains': Cookie value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-value-contains-type,cookie-value-equals-type, cookie-value-starts-with-type, and cookie-value-ends-with-type are mutually exclusive

cookie-value-ends-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-ends-with-type

Description 'ends-with': Cookie value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-value-ends-with-type,cookie-value-equals-type, cookie-value-contains-type, and cookie-value-starts-with-type are mutually exclusive

cookie-value-equals-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-equals-type

Description 'equals': Cookie value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-value-equals-type,cookie-value-contains-type, cookie-value-starts-with-type, and cookie-value-ends-with-type are mutually exclusive

cookie-value-starts-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-starts-with-type

Description 'starts-with': Cookie value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-value-starts-with-type,cookie-value-equals-type, cookie-value-contains-type, and cookie-value-ends-with-type are mutually exclusive

header-name-contains-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-contains-type

Description 'contains': Header name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-name-contains-type,header-name-equals-type, header-name-starts-with-type, and header-name-ends-with-type are mutually exclusive

header-name-ends-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-ends-with-type

Description 'ends-with': Header name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-name-ends-with-type,header-name-equals-type, header-name-contains-type, and header-name-starts-with-type are mutually exclusive

header-name-equals-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-equals-type

Description 'equals': Header name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-name-equals-type,header-name-contains-type, header-name-starts-with-type, and header-name-ends-with-type are mutually exclusive

header-name-starts-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-starts-with-type

Description 'starts-with': Header name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-name-starts-with-type,header-name-equals-type, header-name-contains-type, and header-name-ends-with-type are mutually exclusive

header-name-value-match

Description When enabled, the rule will match only when both header-name and header-value matches with same header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-value-contains-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-contains-type

Description 'contains': Header value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-value-contains-type,header-value-equals-type, header-value-starts-with-type, and header-value-ends-with-type are mutually exclusive

header-value-ends-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-ends-with-type

Description 'ends-with': Header value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-value-ends-with-type,header-value-equals-type, header-value-contains-type, and header-value-starts-with-type are mutually exclusive

header-value-equals-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-equals-type

Description 'equals': Header value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-value-equals-type,header-value-contains-type, header-value-starts-with-type, and header-value-ends-with-type are mutually exclusive

header-value-starts-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-starts-with-type

Description 'starts-with': Header value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-value-starts-with-type,header-value-equals-type, header-value-contains-type, and header-value-ends-with-type are mutually exclusive

host-contains-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-contains-type

Description 'contains': Host contains string;

Type: string

Supported Values: contains

Mutual Exclusion: host-contains-type,host-equals-type, host-starts-with-type, and host-ends-with-type are mutually exclusive

host-ends-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-ends-with-type

Description 'ends-with': Host ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: host-ends-with-type,host-equals-type, host-contains-type, and host-starts-with-type are mutually exclusive

host-equals-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-equals-type

Description 'equals': Host equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: host-equals-type,host-contains-type, host-starts-with-type, and host-ends-with-type are mutually exclusive

host-starts-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-starts-with-type

Description 'starts-with': Host starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: host-starts-with-type,host-equals-type, host-contains-type, and host-ends-with-type are mutually exclusive

multi-match

Description Specify a multi-match-rule name

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

query-param-name-contains-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-contains-type

Description 'contains': query parameter name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-name-contains-type,query-param-name-equals-type, query-param-name-starts-with-type, and query-param-name-ends-with-type are mutually exclusive

query-param-name-ends-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-ends-with-type

Description 'ends-with': query parameter name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-name-ends-with-type,query-param-name-equals-type, query-param-name-contains-type, and query-param-name-starts-with-type are mutually exclusive

query-param-name-equals-string

Description query parameter name string, use "[no-name]" for empty query-param-name match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-equals-type

Description 'equals': query parameter name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-name-equals-type,query-param-name-contains-type, query-param-name-starts-with-type, and query-param-name-ends-with-type are mutually exclusive

query-param-name-starts-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-starts-with-type

Description 'starts-with': query parameter name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-name-starts-with-type,query-param-name-equals-type, query-param-name-contains-type, and query-param-name-ends-with-type are mutually exclusive

query-param-value-contains-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-contains-type

Description 'contains': query parameter value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-value-contains-type,query-param-value-equals-type, query-param-value-starts-with-type, and query-param-value-ends-with-type are mutually exclusive

query-param-value-ends-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-ends-with-type

Description 'ends-with': query parameter value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-value-ends-with-type,query-param-value-equals-type, query-param-value-contains-type, and query-param-value-starts-with-type are mutually exclusive

query-param-value-equals-string

Description query parameter value string, use "[no-value]" for empty query-param-value match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-equals-type

Description 'equals': query parameter value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-value-equals-type,query-param-value-contains-type, query-param-value-starts-with-type, and query-param-value-ends-with-type are mutually exclusive

query-param-value-starts-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-starts-with-type

Description 'starts-with': query parameter value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-value-starts-with-type,query-param-value-equals-type, query-param-value-contains-type, and query-param-value-ends-with-type are mutually exclusive

seq-num

Description Specify a sequence number

Type: number

Range: 1-8192

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

url-contains-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-contains-type

Description 'contains': URL contains string;

Type: string

Supported Values: contains

Mutual Exclusion: url-contains-type,url-equals-type, url-starts-with-type, and url-ends-with-type are mutually exclusive

url-ends-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-ends-with-type

Description 'ends-with': URL ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: url-ends-with-type,url-equals-type, url-contains-type, and url-starts-with-type are mutually exclusive

url-equals-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-equals-type

Description 'equals': URL equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: url-equals-type,url-contains-type, url-starts-with-type, and url-ends-with-type are mutually exclusive

url-starts-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-starts-with-type

Description 'starts-with': URL starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: url-starts-with-type,url-equals-type, url-contains-type, and url-ends-with-type are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-policy-list_geo-location-match

Specification	Value
Type	*list*
Block object keys	

geo-location

Description Geolocation name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

geo-location-service-group

Description Service Group to be used (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

link-probe-list

Specification	Value
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *link-probe-list_destination*

Type: Object

Reference Object: */axapi/v3/slb/template/link-probe/{name}/destination*

disable

Description Disable Probe template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expected-status-code

Description Specify response code range (e.g. 200,400-430), default is 200 (Format is xx,xx-xx (xx between [100, 899]), default is 200)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: 200

name

Description probe template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

probe-interval

Description Time between each probe that needs to be sent out (in seconds, default is 5)

Type: number

Range: 1-7200

Default: 5

probes-per-test

Description Total number of probes to be sent out for each test

Type: number

Range: 1-10

Default: 5

rtt-method

Description 'http-rtt': Calculate Round Trip Time between HTTP request and response; 'tcp-srtt': Use TCP Smoothed round trip time in the HTTP connection;

Type: string

Supported Values: http-rtt, tcp-srtt

Default: http-rtt

selection-rule

Description 'threshold': Use all links below a threshold before selecting the fastest link; 'fastest-link-always': Always use the link with the lowest average latency;

Type: string

Supported Values: threshold, fastest-link-always

Default: fastest-link-always

test-interval

Description time interval between subsequent tests (in seconds, default is 60)

Type: number

Range: 1-7200

Default: 60

threshold-value

Description Use all links below a threshold before selecting the fastest link (RTT in milliseconds)

Type: number

Range: 0-65534

Default: 0

url

Description Specify URL to which probes should be sent out. Default is /

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: /

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-probe-list_destination

Specification	Value
Type	*object*

hostname

Description Target Hostname

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve the configured hostname; 'resolve-to-ipv6': Use AAAA Query only to resolve the configured hostname;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6

Mutual Exclusion: resolve-as, static-ipv4-addr, and static-ipv6-addr are mutually exclusive

static-ipv4-addr

Description Target IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: static-ipv4-addr, resolve-as, and static-ipv6-addr are mutually exclusive

static-ipv6-addr

Description Target IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: static-ipv6-addr, resolve-as, and static-ipv4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-ssl-list

Specification	Value
Type	*list*
Block object keys	

ad-group-list

Description Forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

auth-sg

Description Specify authorization LDAP service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: auth-sg and authen-name are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/service-group*

auth-sg-dn

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-sg-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

auth-username

Description Specify the Username Field in the Client Certificate(If multi-fields are specificed, prior one has higher priority)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username-attribute

Description Specify attribute name of username for client SSL authorization

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

authen-name

Description Specify authorization LDAP server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: authen-name and auth-sg are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/server/ldap*

authorization

Description Specify LDAP server for client SSL authorizaiton

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-cert-issuer-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-class-list-name and bypass-cert-issuer-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-issuer-multi-class-list

Type: List

bypass-cert-san-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-class-list-name and bypass-cert-san-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-san-multi-class-list

Type: List

bypass-cert-subject-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-class-list-name and bypass-cert-subject-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-subject-multi-class-list

Type: List

ca-certs

Type: List

cache-persistence-list-name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

case-insensitive

Description Case insensitive forward proxy bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

central-cert-pin-list

Description Forward proxy bypass if SNI string is contained in central updated cert-pinning-candidate list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-revoke-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

cert-unknown-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

certificate-issuer-contains-list

Type: List

certificate-issuer-ends-with-list

Type: List

certificate-issuer-equals-list

Type: List

certificate-issuer-starts-with-list

Type: List

certificate-list

Type: List

Reference Object: */axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}*

certificate-san-contains-list

Type: List

certificate-san-ends-with-list

Type: List

certificate-san-equals-list

Type: List

certificate-san-starts-with-list

Type: List

certificate-subject-contains-list

Type: List

certificate-subject-ends-with-list

Type: List

certificate-subject-equals-list

Type: List

certificate-subject-starts-with-list

Type: List

chain-cert

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert and chain-cert-shared-str are mutually exclusive

chain-cert-shared-str

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert-shared-str and chain-cert are mutually exclusive

cipher-without-prio-list

Type: List

class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: class-list-name and multi-clist-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

client-auth-case-insensitive

Description Case insensitive forward proxy client auth bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-auth-class-list

Description Forward proxy client auth bypass if SNI string matches class-list (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-contains-list

Type: List

client-auth-ends-with-list

Type: List

client-auth-equals-list

Type: List

client-auth-starts-with-list

Type: List

client-certificate

Description 'Ignore': Don't request client certificate; 'Require': Require client certificate; 'Request': Request client certificate;

Type: string

Supported Values: Ignore, Require, Request

Default: Ignore

client-ipv4-list

Type: List

client-ipv6-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

contains-list

Type: List

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

direct-client-server-auth

Description Let backend server does SSL client authentication directly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv3

Description Reject Client requests for SSL version 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ends-with-list

Type: List

equals-list

Type: List

exception-ad-group-list

Description Exceptions to forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-issuer-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-san-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-subject-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-client-ipv4-list

Type: List

exception-client-ipv6-list

Type: List

exception-server-ipv4-list

Type: List

exception-server-ipv6-list

Type: List

exception-sni-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-user-name-list

Description Exceptions to forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-web-category

Description: exception-web-category is a **JSON Block**. Please see below for *client-ssl-list_exception-web-category*

Type: Object

exception-web-reputation

Description: exception-web-reputation is a **JSON Block**. Please see below for *client-ssl-list_exception-web-reputation*

Type: Object

expire-hours

Description Certificate lifetime in hours

Type: number

Range: 1-168

forward-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: forward-encrypted and fp-ca-certificate are mutually exclusive

forward-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-passphrase and fp-ca-certificate are mutually exclusive

forward-proxy-alt-sign

Description Forward proxy alternate signing cert and key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-block-message

Description Message to be included on the block page (Message, enclose in quotes if spaces are present)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

forward-proxy-ca-cert

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-cert,fp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert, and fp-ca-certificate-shared are mutually exclusive

forward-proxy-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-key,fp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert, and fp-ca-certificate-shared are mutually exclusive

forward-proxy-cert-cache-limit

Description Certificate cache size limit, default is 524288 (set to 0 for unlimited size)

Type: number

Range: 0-2147483647

Default: 524288

forward-proxy-cert-cache-timeout

Description Certificate cache timeout, default is 1 hour (seconds, set to 0 for never timeout)

Type: number

Range: 0-2147483647

Default: 3600

forward-proxy-cert-expiry

Description Adjust certificate expiry relative to the time when it is created on the device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-cert-not-ready-action

Description 'bypass': bypass the connection; 'reset': reset the connection; 'intercept': wait for cert and then inspect the connection;

Type: string

Supported Values: bypass, reset, intercept

Default: bypass

forward-proxy-cert-revoke-action

Description Action taken if a certificate is irreversibly revoked, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-cert-unknown-action

Description Action taken if a certificate revocation status is unknown, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-crl-disable

Description Disable Certificate Revocation List checking for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-decrypted-dscp

Description Apply a DSCP to decrypted and bypassed traffic (DSCP to apply to decrypted traffic)

Type: number

Range: 1-63

forward-proxy-decrypted-dscp-bypass

Description DSCP to apply to bypassed traffic

Type: number

Range: 1-63

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward-proxy-enable and ssli-inbound-enable are mutually exclusive

forward-proxy-esni-action

Description Action taken if receiving encrypted server name indication extension in client hello MSG, bypass the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-failsafe-disable

Description Disable Failsafe for SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hash-persistence-interval

Description Set the time interval to save the hash persistence certs (Interval value, in minutes)

Type: number

Range: 1-720

Default: 30

forward-proxy-log-disable

Description Disable SSL forward proxy logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-no-shared-cipher-action

Description Action taken if handshake fails due to no shared ciper, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-no-sni-action

Description 'intercept': intercept in no SNI case; 'bypass': bypass in no SNI case; 'reset': reset in no SNI case;

Type: string

Supported Values: intercept, bypass, reset

Default: intercept

forward-proxy-ocsp-disable

Description Disable ocsp-stapling for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-require-sni-cert-matched

Description 'no-match-action-inspect': Inspected if not matched; 'no-match-action-drop': Dropped if not matched;

Type: string

Supported Values: no-match-action-inspect, no-match-action-drop

forward-proxy-selfsign-redir

Description Redirect connections to pages with self signed certs to a warning page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-ssl-version

Description TLS/SSL version, default is TLS1.2 (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 31-34

Default: 33

forward-proxy-trusted-ca-lists

Type: List

forward-proxy-verify-cert-fail-action

Description Action taken if certificate verification fails, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fp-alt-cert

Description CA Certificate for forward proxy alternate signing (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

fp-alt-key

Description CA Private Key for forward proxy alternate signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

fp-alt-shared

Description Alternate CA Certificate and Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-ca-certificate

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-certificate,forward-proxy-ca-cert, fp-ca-shared, forward-proxy-ca-key, forward-passphrase, forward-encrypted, and fp-ca-key-shared are mutually exclusive

fp-ca-certificate-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-certificate-shared, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-chain-cert, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: fp-ca-key-encrypted, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key-passphrase, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-key-shared and fp-ca-certificate are mutually exclusive

fp-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-shared and fp-ca-certificate are mutually exclusive

fp-cert-ext-aia-ca-issuers

Description CA Issuers (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ca-issuers and fp-cert-ext-aia-ocsp are mutually exclusive

fp-cert-ext-aia-ocsp

Description OCSP (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ocsp and fp-cert-ext-aia-ca-issuers are mutually exclusive

fp-cert-ext-crldp

Description CRL Distribution Point (CRL Distribution Point URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-cert-fetch-autonat

Description 'auto': Configure auto NAT for server certificate fetching;

Type: string

Supported Values: auto

Mutual Exclusion: fp-cert-fetch-autonat and fp-cert-fetch-natpool-name are mutually exclusive

fp-cert-fetch-autonat-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-cert-fetch-natpool-name

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-fetch-natpool-name, shared-partition-pool, and fp-cert-fetch-autonat are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

fp-cert-fetch-natpool-name-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

fp-cert-fetch-natpool-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-esni-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: bypass

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hsm-type

Description 'thales-embed': Thales embed key; 'thales-hwcrhk': Thales hwcrhk Key;

Type: string

Supported Values: thales-embed, thales-hwcrhk

inspect-certificate-issuer-cl-name

Description Forward proxy Inspect if Certificate issuer matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-certificate-san-cl-name

Description Forward proxy Inspect if Certificate Subject Alternative Name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-certificate-subject-cl-name

Description Forward proxy Inspect if Certificate Subject matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja3-enable

Description Enable JA3 features

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ja3-insert-http-header

Description Insert the JA3 hash into this request as a HTTP header (HTTP Header Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ja3-reject-class-list

Description Drop request if the JA3 hash matches this class-list (type string-case-insensitive) (Class-List Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja3-reject-max-number-per-host

Description Drop request if numbers of JA3 of this client address exceeded

Type: number

Range: 1-256

ja3-ttl

Description seconds to keep each JA3 record

Type: number

Range: 1-86400

Default: 600

ja4-enable

Description Enable JA4 features

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ja4-insert-http-header

Description Insert the JA4 hash into this request as a HTTP header (HTTP Header Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ja4-reject-class-list

Description Drop request if the JA4 hash matches this class-list (type string-case-insensitive) (Class-List Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja4-reject-max-number-per-host

Description Drop request if numbers of JA4 of this client address exceeded

Type: number

Range: 1-256

ja4-ttl

Description seconds to keep each JA4 record

Type: number

Range: 1-86400

Default: 600

ldap-base-dn-from-cert

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-search-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

local-cert-pin-list

Description: local-cert-pin-list is a **JSON Block**. Please see below for *client-ssl-list_local-cert-pin-list*

Type: Object

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-class-list

Type: List

name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-anti-replay

Description Disable anti-replay protection for TLS 1.3 early data (0-RTT data)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-shared-cipher-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: drop

non-ssl-bypass-l4session

Description Handle the non-ssl session as L4 for performance optimization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-bypass-service-group

Description Service Group for Bypass non-ssl traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

notafter

Description notAfter date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notafterday

Description Day

Type: number

Range: 1-31

notaftermonth

Description Month

Type: number

Range: 1-12

notafteryear

Description Year

Type: number

Range: 2005-2035

notbefore

Description notBefore date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notbeforeday

Description Day

Type: number

Range: 1-31

notbeforemonth

Description Month

Type: number

Range: 1-12

notbeforeyear

Description Year

Type: number

Range: 2005-2035

ocsp-stapling

Description Config OCSP stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-ca-cert

Description CA certificate

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ocspst-ocsp

Description Specify OCSP Authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-sg

Description Specify authentication service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-sg and ocspst-srvr are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/service-group*

ocspst-sg-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-sg-days, ocspst-sg-hours, and ocspst-sg-minutes are mutually exclusive

ocspst-sg-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-sg-hours, ocspst-sg-days, and ocspst-sg-minutes are mutually exclusive

ocspst-sg-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-sg-minutes, ocspst-sg-days, and ocspst-sg-hours are mutually exclusive

ocspst-sg-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

ocspst-srvr

Description Specify OCSP authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-srvr and ocspst-sg are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/server/ocsp*

ocspst-srvr-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-srvr-days, ocspst-srvr-hours, and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-srvr-hours, ocspst-srvr-days, and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-srvr-minutes, ocspst-srvr-days, and ocspst-srvr-hours are mutually exclusive

ocspst-srvr-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-ca-lists

Type: List

require-sni-cert-matched

Description SNI is required to match configured certificate subject or SAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

require-web-category

Description Wait for web category to be resolved before taking bypass decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

server-ipv4-list

Type: List

server-ipv6-list

Type: List

server-name-auto-map

Description Enable automatic mapping of server name indication in Client hello extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-list

Type: List

session-cache-size

Description Session Cache Size (Maximum cache size. Default value 0 (Session ID reuse disabled))

Type: number

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds. Default value 0 (Session cache timeout disabled))

Type: number

Range: 0-604800

Default: 0

session-key-logging-enable

Description Enable SSL session key logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-disable

Description Disable client side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-lifetime

Description Session ticket lifetime in seconds from stateless session resumption (Lifetime value in seconds. Default value 0 (Session ticket lifetime is 7200 seconds))

Type: number

Range: 0-2147483647

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template, template-cipher, and cipher-wo-prio are mutually exclusive

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and fp-cert-fetch-natpool-name are mutually exclusive

sni-bypass-enable-log

Description Enable logging when bypass event happens, disabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-expired-cert

Description Bypass when certificate expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-explicit-list

Description Bypass when matched explicit bypass list (Specify class list name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

sni-bypass-missing-cert

Description Bypass when missing cert/key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-enable-log

Description Enable logging of sni-auto-map failures. Disable by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-false-start-disable

Description disable SSL False Start

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-inbound-enable

Description Enable inbound SSLi

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ssli-inbound-enable and forward-proxy-enable are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

sslv2-bypass-service-group

Description Service Group for Bypass SSLV2 (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

starts-with-list

Type: List

template-cipher

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cipher, shared-partition-cipher-template, and cipher-wo-prio are mutually exclusive

Reference Object: */axapi/v3/slb/template/cipher*

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cipher*

template-hsm

Description HSM Template (HSM Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/hsm/template*

user-name-list

Description Forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-cert-fail-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: drop

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 1-34

web-category

Description: web-category is a **JSON Block**. Please see below for *client-ssl-list_web-category*

Type: Object

web-reputation

Description: web-reputation is a **JSON Block**. Please see below for *client-ssl-list_web-reputation*

Type: Object

client-ssl-list_bypass-cert-subject-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-subject-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-multi-class-list-name and bypass-cert-subject-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

client-ssl-list_certificate-san-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-contains

Description Forward proxy bypass if Certificate SAN contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_equals-list

Specification	Value
Type	*list*
Block object keys	

equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_client-ipv6-list

Specification	Value
Type	*list*
Block object keys	

client-ipv6-list-name

Description IPV6 client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-ssl-list_forward-proxy-trusted-ca-lists

Specification	Value
Type	*list*
Block object keys	

forward-proxy-trusted-ca

Description Forward proxy trusted CA file (CA file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-trusted-ca-shared

Description Trusted CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ssl-list_ec-list

Specification	Value
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1, secp521r1, x25519

client-ssl-list_contains-list

Specification	Value
Type	*list*
Block object keys	

contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_ends-with-list

Specification	Value
Type	*list*
Block object keys	

ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_ca-certs

Specification	Value
Type	*list*
Block object keys	

ca-cert

Description CA Certificate (CA Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp

Description Specify ocsp authentication server(s) for client certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/service-group*

client-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/server/ocsp/instance*

client-ssl-list_client-auth-contains-list

Specification	Value
Type	*list*
Block object keys	

client-auth-contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-subject-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-contains

Description Forward proxy bypass if Certificate Subject contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_req-ca-lists

Specification	Value
Type	*list*
Block object keys	

client-cert-req-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-certificate-Request-CA

Description Send CA lists in certificate request (CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

client-ssl-list_certificate-subject-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-starts

Description Forward proxy bypass if Certificate Subject starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_web-reputation

Specification	Value
Type	*object*

bypass-low-risk

Description Bypass when reputation score is greater than or equal to 61

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-low-risk,bypass-trustworthy, bypass-moderate-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-malicious

Description Bypass when reputation score is greater than or equal to 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-malicious,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious, and bypass-threshold are mutually exclusive

bypass-moderate-risk

Description Bypass when reputation score is greater than or equal to 41

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-moderate-risk,bypass-trustworthy, bypass-low-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-suspicious

Description Bypass when reputation score is greater than or equal to 21

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-suspicious,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-threshold

Description Bypass when reputation score is greater than or equal to the customized score (1-100)

Type: number

Range: 1-100

Mutual Exclusion: bypass-threshold,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious, and bypass-malicious are mutually exclusive

bypass-trustworthy

Description Bypass when reputation score is greater than or equal to 81

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-trustworthy,bypass-low-risk, bypass-moderate-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

client-ssl-list_bypass-cert-issuer-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-issuer-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-multi-class-list-name and bypass-cert-issuer-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

client-ssl-list_client-auth-equals-list

Specification	Value
Type	*list*
Block object keys	

client-auth-equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-issuer-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-equals

Description Forward proxy bypass if Certificate issuer equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-san-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-ends-with

Description Forward proxy bypass if Certificate SAN ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_crl-certs

Specification	Value
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ssl-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'real-estate': real estate category; 'computer-and-internet-security': computer and internet security category; 'financial-services': financial services category; 'business-and-economy': business and economy category; 'computer-and-internet-info': computer and internet info category; 'auctions': auctions category; 'shopping': shopping category; 'cult-and-occult': cult and occult category; 'travel': travel category; 'drugs': drugs category; 'adult-and-pornography': adult and pornography category; 'home-and-garden': home and garden category; 'military': military category; 'social-network': social network category; 'dead-sites': dead sites category; 'stock-advice-and-tools': stock advice and tools category; 'training-and-tools': training and tools category; 'dating': dating category; 'sex-education': sex education category; 'religion': religion category; 'entertainment-and-arts': entertainment and arts category; 'personal-sites-and-blogs': personal sites and blogs category; 'legal': legal category; 'local-information': local information category; 'streaming-media': streaming media category;

'job-search': job search category; 'gambling': gambling category; 'translation': translation category; 'reference-and-research': reference and research category; 'shareware-and-freeware': shareware and freeware category; 'peer-to-peer': peer to peer category; 'marijuana': marijuana category; 'hacking': hacking category; 'games': games category; 'philosophy-and-politics': philosophy and politics category; 'weapons': weapons category; 'pay-to-surf': pay to surf category; 'hunting-and-fishing': hunting and fishing category; 'society': society category; 'educational-institutions': educational institutions category; 'online-greeting-cards': online greeting cards category; 'sports': sports category; 'swimsuits-and-intimate-apparel': swimsuits and intimate apparel category; 'questionable': questionable category; 'kids': kids category; 'hate-and-racism': hate and racism category; 'personal-storage': personal storage category; 'violence': violence category; 'keyloggers-and-monitoring': keyloggers and monitoring category; 'search-engines': search engines category; 'internet-portals': internet portals category; 'web-advertisements': web advertisements category; 'cheating': cheating category; 'gross': gross category; 'web-based-email': web based email category; 'malware-sites': malware sites category; 'phishing-and-other-fraud': phishing and other fraud category; 'proxy-avoid-and-anonymizers': proxy avoid and anonymizers category; 'spyware-and-adware': spyware and adware category; 'music': music category; 'government': government category; 'nudity': nudity category; 'news-and-media': news and media category; 'illegal': illegal category; 'CDNs': content delivery networks category; 'internet-communications': internet communications category; 'bot-nets': bot nets category; 'abortion': abortion category; 'health-and-medicine': health and medicine category; 'confirmed-SPAM-sources': confirmed SPAM sources category; 'SPAM-URLs': SPAM URLs category; 'unconfirmed-SPAM-sources': unconfirmed SPAM sources category; 'open-HTTP-proxies': open HTTP proxies category; 'dynamically-generated-content': dynamically generated content category; 'parked-domains': parked domains category; 'alcohol-and-tobacco': alcohol and tobacco category; 'private-IP-addresses': private IP addresses category; 'image-and-video-search': image and video search category; 'fashion-and-beauty': fashion and beauty category; 'recreation-and-hobbies': recreation and hobbies category; 'motor-vehicles': motor vehicles category; 'web-hosting-sites': web hosting sites category; 'food-and-dining': food and dining category; 'dummy-item': dummy item category; 'self-harm': self harm category; 'dns-over-https': dns over https category; 'low-thc-cannabis-products': low-thc cannabis products; 'generative-ai': generative ai category; 'nudity-artistic': artistic nudity; 'illegal-pornography': illegal pornography eg. child sexual abuse; 'uncategorised': uncategorised; 'other-category': other category; 'trustworthy': Trustworthy level(81-100); 'low-risk': Low-risk level(61-80); 'moderate-risk': Moderate-risk level(41-60); 'suspicious': Suspicious level(21-40); 'malicious': Malicious level(1-20);

Type: string

Supported Values: all, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, CDNs, internet-communications, bot-nets, abortion, health-and-medicine, confirmed-SPAM-sources, SPAM-URLs, unconfirmed-SPAM-sources, open-HTTP-proxies, dynamically-generated-content, parked-domains, alcohol-and-tobacco, private-IP-addresses, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, food-and-dining, dummy-item, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-

artistic, illegal-pornography, uncategorised, other-category, trustworthy, low-risk, moderate-risk, suspicious, malicious

client-ssl-list_certificate-list

Specification	Value
Type	*list*
Block object keys	

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key

Description Server Private Key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description Server Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-ssl-list_client-ipv4-list

Specification	Value
Type	*list*
Block object keys	

client-ipv4-list-name

Description IPV4 client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-ssl-list_multi-class-list

Specification	Value
Type	*list*
Block object keys	

multi-clist-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: multi-clist-name and class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

client-ssl-list_certificate-issuer-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-ends-with

Description Forward proxy bypass if Certificate issuer ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_exception-server-ipv4-list

Specification	Value
Type	*list*
Block object keys	

exception-server-ipv4-list-name

Description IPV4 exception server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-ssl-list_web-category

Specification	Value
Type	*object*

bypassed-category

Description 'uncategorized': Uncategorized URLs; 'real-estate': Category Real Estate; 'computer-and-internet-security': Category Computer and Internet Security; 'financial-services': Category Financial Services; 'business-and-economy': Category Business and Economy; 'computer-and-internet-info': Category Computer and Internet Info; 'auctions': Category Auctions; 'shopping': Category Shopping; 'cult-and-occult': Category Cult and Occult; 'travel': Category Travel; 'drugs': Category Abused Drugs; 'adult-and-pornography': Category Adult and Pornography; 'home-and-garden': Category Home and Garden; 'military': Category Military; 'social-network': Category Social Network; 'dead-sites': Category Dead Sites (db Ops only); 'stock-advice-and-tools': Category Stock Advice and Tools; 'training-and-tools': Category Training and Tools; 'dating': Category Dating; 'sex-education': Category

Sex Education; 'religion': Category Religion; 'entertainment-and-arts': Category Entertainment and Arts; 'personal-sites-and-blogs': Category Personal sites and Blogs; 'legal': Category Legal; 'local-information': Category Local Information; 'streaming-media': Category Streaming Media; 'job-search': Category Job Search; 'gambling': Category Gambling; 'translation': Category Translation; 'reference-and-research': Category Reference and Research; 'shareware-and-freeware': Category Shareware and Freeware; 'peer-to-peer': Category Peer to Peer; 'marijuana': Category Marijuana; 'hacking': Category Hacking; 'games': Category Games; 'philosophy-and-politics': Category Philosophy and Political Advocacy; 'weapons': Category Weapons; 'pay-to-surf': Category Pay to Surf; 'hunting-and-fishing': Category Hunting and Fishing; 'society': Category Society; 'educational-institutions': Category Educational Institutions; 'online-greeting-cards': Category Online Greeting cards; 'sports': Category Sports; 'swimsuits-and-intimate-apparel': Category Swimsuits and Intimate Apparel; 'questionable': Category Questionable; 'kids': Category Kids; 'hate-and-racism': Category Hate and Racism; 'personal-storage': Category Personal Storage; 'violence': Category Violence; 'keyloggers-and-monitoring': Category Keyloggers and Monitoring; 'search-engines': Category Search Engines; 'internet-portals': Category Internet Portals; 'web-advertisements': Category Web Advertisements; 'cheating': Category Cheating; 'gross': Category Gross; 'web-based-email': Category Web based email; 'malware-sites': Category Malware Sites; 'phishing-and-other-fraud': Category Phishing and Other Frauds; 'proxy-avoid-and-anonymizers': Category Proxy Avoid and Anonymizers; 'spyware-and-adware': Category Spyware and Adware; 'music': Category Music; 'government': Category Government; 'nudity': Category Nudity; 'news-and-media': Category News and Media; 'illegal': Category Illegal; 'cdns': Category CDNs; 'internet-communications': Category Internet Communications; 'bot-nets': Category Bot Nets; 'abortion': Category Abortion; 'health-and-medicine': Category Health and Medicine; 'spam-urls': Category SPAM URLs; 'dynamically-generated-content': Category Dynamically Generated Content; 'parked-domains': Category Parked Domains; 'alcohol-and-tobacco': Category Alcohol and Tobacco; 'image-and-video-search': Category Image and Video Search; 'fashion-and-beauty': Category Fashion and Beauty; 'recreation-and-hobbies': Category Recreation and Hobbies; 'motor-vehicles': Category Motor Vehicles; 'web-hosting-sites': Category Web Hosting Sites; 'self-harm': Category Self Harm; 'dns-over-https': Category DNS over HTTPs; 'low-thc-cannabis-products': Category Low-THC Cannabis Products; 'generative-ai': Category Generative AI; 'nudity-artistic': Category Artistic Nudity; 'illegal-pornography': Category Illegal Pornography eg. Child Sexual Abuse;

Type: string

Supported Values: uncategorized, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, cdns, internet-communications, bot-nets, abortion, health-and-medicine, spam-urls, dynamically-generated-content, parked-domains, alcohol-and-tobacco, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-artistic, illegal-pornography

client-ssl-list_certificate-san-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-equals

Description Forward proxy bypass if Certificate SAN equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_exception-client-ipv4-list

Specification	Value
Type	*list*
Block object keys	

exception-client-ipv4-list-name

Description IPV4 exception client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-ssl-list_certificate-issuer-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-contains

Description Forward proxy bypass if Certificate issuer contains another string (Certificate issuer)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_client-auth-starts-with-list

Specification	Value
Type	*list*
Block object keys	

client-auth-starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-subject-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-ends-with

Description Forward proxy bypass if Certificate Subject ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_bypass-cert-san-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-san-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-multi-class-list-name and bypass-cert-san-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

client-ssl-list_server-name-list

Specification	Value
Type	*list*
Block object keys	

server-cert

Description Server Certificate associated to SNI (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-cert-regex

Description Server Certificate associated to SNI regex (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-chain

Description Server Certificate Chain associated to SNI (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-chain-regex

Description Server Certificate Chain associated to SNI regex (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-encrypted-regex

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-key

Description Server Private Key associated to SNI (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-key-regex

Description Server Private Key associated to SNI regex (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-name

Description Server name indication in Client hello extension (Server name String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-regex

Description Server name indication in Client hello extension with regular expression (Server name String with regex)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-regex-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-passphrase

Description help Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

server-passphrase-regex

Description help Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

server-shared

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-shared-regex

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-template

Description Template associated to SNI regex

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-regex-template-client-ssl-shared-name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-template

Description Template associated to SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-template-client-ssl-shared-name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

client-ssl-list_exception-web-category

Specification	Value
Type	*object*

exception-category

Description 'uncategorized': Uncategorized URLs; 'real-estate': Category Real Estate; 'computer-and-internet-security': Category Computer and Internet Security; 'financial-services': Category Financial Services; 'business-and-economy': Category Business and Economy; 'computer-and-internet-info': Category Computer and Internet Info; 'auctions': Category Auctions; 'shopping': Category Shopping; 'cult-and-occult': Category Cult and Occult; 'travel': Category Travel; 'drugs': Category Abused Drugs; 'adult-and-pornography': Category Adult and Pornography; 'home-and-garden': Category Home and Garden; 'military': Category Military; 'social-network': Category Social Network; 'dead-sites': Category Dead Sites (db Ops only); 'stock-advice-and-tools': Category Stock Advice and Tools; 'training-and-tools': Category Training and Tools; 'dating': Category Dating; 'sex-education': Category Sex Education; 'religion': Category Religion; 'entertainment-and-arts': Category Entertainment and Arts; 'personal-sites-and-blogs': Category Personal sites and Blogs; 'legal': Category Legal; 'local-information': Category Local Information; 'streaming-media': Category Streaming Media; 'job-search': Category Job Search; 'gambling': Category Gambling; 'translation': Category Translation; 'reference-and-research': Category Reference and Research; 'shareware-and-freeware': Category Shareware and Freeware; 'peer-to-peer': Category Peer to Peer; 'marijuana': Category Marijuana; 'hacking': Category Hacking; 'games': Category Games; 'philosophy-and-politics': Category Philosophy and Political Advocacy; 'weapons': Category Weapons; 'pay-to-surf': Category Pay to Surf; 'hunting-and-fishing': Category Hunting and Fishing; 'society': Category Society; 'educational-institutions': Category Educational Institutions; 'online-greeting-cards': Category Online Greeting cards; 'sports': Category Sports; 'swimsuits-and-intimate-apparel': Category Swimsuits and Intimate Apparel; 'questionable': Category Questionable; 'kids': Category Kids; 'hate-and-racism': Category Hate and Racism; 'personal-storage': Category Personal Storage; 'violence': Category Violence; 'keyloggers-and-monitoring': Category Keyloggers and Monitoring; 'search-engines': Category Search Engines; 'internet-portals': Category Internet Portals; 'web-advertisements': Category Web Advertisements; 'cheating': Category Cheating; 'gross': Category Gross; 'web-based-email': Category Web based email; 'malware-sites': Category Malware Sites; 'phishing-and-other-fraud': Category Phishing and Other Frauds; 'proxy-avoid-and-anonymizers': Category Proxy Avoid and Anonymizers; 'spyware-and-adware': Category Spyware and Adware; 'music': Category Music; 'government': Category Government; 'nudity': Category Nudity; 'news-and-media': Category News and Media; 'illegal': Category Illegal; 'cdns': Category CDNs; 'internet-communications': Category Internet Communications; 'bot-nets': Category Bot Nets; 'abortion': Category Abortion; 'health-and-medicine': Category Health and Medicine; 'spam-urls': Category SPAM URLs; 'dynamically-generated-content': Category Dynamically Generated Content; 'parked-domains': Category Parked Domains; 'alcohol-and-tobacco': Category Alcohol and Tobacco; 'image-and-video-search': Category Image and Video Search; 'fashion-and-beauty': Category Fashion and Beauty; 'recreation-and-hobbies': Category Recreation and Hobbies; 'motor-vehicles': Category Motor Vehicles; 'web-hosting-sites': Category Web Hosting Sites; 'self-harm': Category Self Harm; 'dns-over-https': Category DNS over HTTPs; 'low-thc-cannabis-products': Category Low-THC Cannabis Products; 'generative-ai': Category Generative AI; 'nudity-artistic': Category Artistic Nudity; 'illegal-pornography': Category Illegal Pornography eg. Child Sexual Abuse;

Type: string

Supported Values: uncategorized, real-estate, computer-and-internet-security, financial-

services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, cdns, internet-communications, botnets, abortion, health-and-medicine, spam-urls, dynamically-generated-content, parked-domains, alcohol-and-tobacco, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-artistic, illegal-pornography

client-ssl-list_exception-server-ipv6-list

Specification	Value
Type	*list*
Block object keys	

exception-server-ipv6-list-name

Description IPV6 exception server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-ssl-list_certificate-issuer-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-starts

Description Forward proxy bypass if Certificate issuer starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_certificate-san-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-starts

Description Forward proxy bypass if Certificate SAN starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_server-ipv4-list

Specification	Value
Type	*list*
Block object keys	

server-ipv4-list-name

Description IPV4 server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-ssl-list_client-auth-ends-with-list

Specification	Value
Type	*list*
Block object keys	

client-auth-ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_exception-client-ipv6-list

Specification	Value
Type	*list*
Block object keys	

exception-client-ipv6-list-name

Description IPV6 exception client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-ssl-list_exception-web-reputation

Specification	Value
Type	*object*

exception-low-risk

Description Intercept when reputation score is less than or equal to 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-low-risk,exception-trustworthy, exception-moderate-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

exception-malicious

Description Intercept when reputation score is less than or equal to 20

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-malicious,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious, and exception-threshold are mutually exclusive

exception-moderate-risk

Description Intercept when reputation score is less than or equal to 60

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-moderate-risk,exception-trustworthy, exception-low-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

exception-suspicious

Description Intercept when reputation score is less than or equal to 40

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-suspicious,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-malicious, and exception-threshold are mutually exclusive

exception-threshold

Description Intercept when reputation score is less than or equal to a customized value (1-100)

Type: number

Range: 1-100

Mutual Exclusion: exception-threshold,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious, and exception-malicious are mutually exclusive

exception-trustworthy

Description Intercept when reputation score is less than or equal to 100

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-trustworthy,exception-low-risk, exception-moderate-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

client-ssl-list_local-cert-pin-list

Specification	Value
Type	*object*

local-cert-pin-list-bypass-fail-count

Description Set the connection fail count as bypass criteria (Bypass when connection failure count is greater than the criteria (1-65536))

Type: number

Range: 1-65536

client-ssl-list_server-ipv6-list

Specification	Value
Type	*list*
Block object keys	

server-ipv6-list-name

Description IPV6 server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-ssl-list_certificate-subject-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-equals

Description Forward proxy bypass if Certificate Subject equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ssl-list_cipher-without-prio-list

Specification	Value
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256

(0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA (0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio, template-cipher, and shared-partition-cipher-template are mutually exclusive

client-ssl-list_starts-with-list

Specification	Value
Type	*list*
Block object keys	

starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

quic-list

Specification	Value
Type	*list*
Block object keys	

burst-len

Description Number of burst packet, default 16

Type: number

Range: 16-360

connection-id-length

Description Connection id length in byte, default 8 bytes

Type: number

Range: 1-20

idle-timeout

Description Idle Timeout (interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-3600

initial-wnd

Description Initial window size in byte, default 10000 (Initial window size, default 10000)

Type: number

Range: 10000-100000

key-update-to-client

Description Initiate key update on the client-side

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-update-to-server

Description Initiate key update on the server-side

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description QUIC Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

receive-buffer

Description Receive buffer size in byte, default 200000 (Receive buffer size, default 200000)

Type: number

Range: 30000-400000

server-retry

Description Enable server retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-block-as-down

Specification	Value
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dynamic-service-list

Specification	Value
Type	*list*
Block object keys	

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/dynamic-service/{name}/class-list/{dns-class-list}*

dns-server

Type: List

name

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dynamic-service-list_dns-server

Specification	Value
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

dynamic-service-list_class-list-list

Specification	Value
Type	*list*
Block object keys	

dns-class-list

Description Name of Aho-Corasick class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dns-server

Type: List

priority

Description Priority of the class-list(the larger number, the higher priority)

Type: number

Range: 1-64

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dynamic-service-list_class-list-list_dns-server

Specification	Value
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

dblb-list

Specification	Value
Type	*list*
Block object keys	

calc-sha1

Description: calc-sha1 is a **JSON Block**. Please see below for *dblb-list_calc-sha1*

Type: Object

Reference Object: */axapi/v3/slb/template/dblb/{name}/calc-sha1*

class-list

Description Specify user/password string class list (Class list name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description DBLB template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-version

Description 'MSSQL2008': MSSQL server 2008 or 2008 R2; 'MSSQL2012': MSSQL server 2012; 'MySQL': MySQL server (any version);

Type: string

Supported Values: MSSQL2008, MSSQL2012, MySQL

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dblb-list_calc-sha1

Specification	Value
Type	*object*

sha1-value

Description Cleartext password

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fix-list

Specification	Value
Type	*list*
Block object keys	

insert-client-ip

Description Insert client ip to tag 11447

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tag-switching

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fix-list_tag-switching

Specification	Value
Type	*list*
Block object keys	

equals

Description Equals (Tag String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

switching-type

Description 'sender-comp-id': Select service group based on SenderCompID; 'target-comp-id': Select service group based on TargetCompID;

Type: string

Supported Values: sender-comp-id, target-comp-id

persist

Specification	Value
Type	*object*

cookie-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/cookie/{name}*

destination-ip-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/destination-ip/{name}*

source-ip-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/source-ip/{name}*

ssl-sid-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/ssl-sid/{name}*

persist_destination-ip-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of destination IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Destination IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist_source-ip-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-higher-priority

Description Enforce to use high priority node if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of source IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-dst-ip

Description Include destination IP on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-sport

Description Include source port on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Source IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

primary-port

Description Primary port to create the persist session

Type: number

Range: 1-65534

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-4321

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist_cookie-list

Specification	Value
Type	*list*
Block object keys	

cookie-name

Description Set cookie name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: sto-id

domain

Description Set cookie domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypt-level

Description Encryption level for cookie name / value

Type: number

Range: 0-1

Default: 1

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

expire

Description Set cookie expiration time (Expiration in seconds)

Type: number

Range: 0-31536000

Default: 31536000

httponly

Description Enable HttpOnly attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-always

Description Insert persist cookie to every reponse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persist for server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pass-phrase

Description Set passphrase for encryption

Type: string

Format: password

Maximum Length: 8 characters

Maximum Length: 8 characters

Default: ACOS4KEY

pass-thru

Description Pass thru mode - Server sends the persist cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

path

Description Set cookie path (Cookie path, default is "/")

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: /

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute;

Type: string

Supported Values: host, secure

samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

scan-all-members

Description Persist within the same server SCAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure

Description Enable secure attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

server-service-group

Description Persist to the same server and within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

use-attribute

Description 'max-age': Use the Max-Age attribute; 'expires': Use the Expires attribute; 'all': Use all attributes;

Type: string

Supported Values: max-age, expires, all

Default: expires

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

persist_ssl-sid-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SSL session ID persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

doh-list

Specification	Value
Type	*list*
Block object keys	

conn-reuse

Description 'enable': Enable Connection Reuse; 'disable': Disable Connection-Reuse (Default);

Type: string

Supported Values: enable, disable

Default: disable

dns

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dns and shared-partition-dns-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dns*

dns-retry

Description: dns-retry is a **JSON Block**. Please see below for *doh-list_dns-retry*

Type: Object

Reference Object: */axapi/v3/slb/template/doh/{name}/dns-retry*

forwarder

Description: forwarder is a **JSON Block**. Please see below for *doh-list_forwarder*

Type: Object

Reference Object: */axapi/v3/slb/template/doh/{name}/forwarder*

name

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-dns-request

Description 'allow': Forward Non-DoH request to http server bound to vport; 'reject': Reject Non-DoH requests with HTTP 400 Bad Request (Default);

Type: string

Supported Values: allow, reject

Default: reject

reject-status-code

Description '400': Status Code 400 BAD Request (Default); '500': Status Code 500 Internal Server Error; '501': Status Code 501 Not Implemented;

Type: string

Supported Values: 400, 500, 501

Default: 400

shared-partition-dns-template

Description Reference a DNS template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and dns are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

snat-pool

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

source-nat

Description 'auto': Perform Source NAT Auto for service-group(Default) (Not supported with forwarding-ip); 'disable': Don't perform source-nat for server side DNS queries; 'pool': Perform Source NAT with specific pool;

Type: string

Supported Values: auto, disable, pool

Default: auto

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-dns-shared

Description DNS Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

doh-list_forwarder

Specification	Value
Type	*object*

bypass-doh

Description Forward valid DoH HTTP request as is, no DNS packet extraction (Bypass DoH)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-doh,forwarding-ipv4, forwarding-ipv6, tcp-service-group, and udp-service-group are mutually exclusive

forwarding-ipv4

Description SLB VIP IPv4 address to forward DOH query (IP address)

Type: string

Format: ipv4-address

Mutual Exclusion: forwarding-ipv4,forwarding-ipv6, tcp-service-group, udp-service-group, and bypass-doh are mutually exclusive

forwarding-ipv6

Description SLB VIP IPv6 address to forward DOH query (IP address)

Type: string

Format: ipv6-address

Mutual Exclusion: forwarding-ipv6,forwarding-ipv4, tcp-service-group, udp-service-group, and bypass-doh are mutually exclusive

tcp-service-group

Description Bind a TCP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-service-group,forwarding-ipv4, forwarding-ipv6, and bypass-doh are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

udp-service-group

Description Bind a UDP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: udp-service-group,forwarding-ipv4, forwarding-ipv6, and bypass-doh are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v4-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v4-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

v6-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v6-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

doh-list_dns-retry

Specification	Value
Type	*object*

after-timeout

Description 'close': Close client side connection; 'retry-with-tcp': Retry DNS query to server using TCP (If UDP was tried initially. Close after.);

Type: string

Supported Values: close, retry-with-tcp

Default: close

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description ACL id

Type: number

Range: 100-199

Mutual Exclusion: acl-id and acl-name-value are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-name-value

Description IPv4 Access List Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-value and acl-id are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

alg-dest-nat

Description Translate VIP to real server IP in SIP message when destination NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alg-source-nat

Description Translate source IP to NAT IP in SIP message when source NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

call-id-persist-disable

Description Disable call-ID persistence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-keep-alive

Description Respond client keep-alive packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header

Type: List

client-response-header

Type: List

dialog-aware

Description Permit system processes dialog session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-when-client-fail

Description Drop current SIP message when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-client-fail and failed-client-selection-message are mutually exclusive

drop-when-server-fail

Description Drop current SIP message when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-server-fail and failed-server-selection-message are mutually exclusive

exclude-translation

Type: List

failed-client-selection

Description Define action when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-client-selection-message

Description Send SIP message (includs status code) to server when select client fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-client-selection-message and drop-when-client-fail are mutually exclusive

failed-server-selection

Description Define action when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-server-selection-message

Description Send SIP message (includs status code) to client when select server fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-server-selection-message and drop-when-server-fail are mutually exclusive

insert-client-ip

Description Insert Client IP address into SIP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description The interval of keep-alive packet for each persist connection (second)

Type: number

Range: 5-300

Default: 30

keep-server-ip-if-match-acl

Description Use Real Server IP for addresses matching the ACL for a Call-Id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pstn-gw

Description configure pstn gw host name for tel: uri translate to sip: uri (Hostname String, default is "pstn")

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: pstn

server-keep-alive

Description Send server keep-alive packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header

Type: List

server-response-header

Type: List

server-selection-per-request

Description Force server selection on every SIP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

smp-call-id-rtp-session

Description Create the across cpu call-id rtp session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Time in minutes

Type: number

Range: 1-250

Default: 30

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sip-list_server-request-header

Specification	Value
Type	*list*
Block object keys	

insert-condition-server-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-request-header-insert

Description Insert a SIP header (Header Content (Format: "name:value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sip-list_server-response-header

Specification	Value
Type	*list*
Block object keys	

insert-condition-server-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-response-header-insert

Description Insert a SIP header (Header Content (Format: "name:value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

sip-list_client-request-header

Specification	Value
Type	*list*
Block object keys	

client-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-request-header-insert

Description Insert a SIP header (Header Content (Format: “name:value”))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-request

Description ‘insert-if-not-exist’: Only insert the header when it does not exist; ‘insert-always’: Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

sip-list_client-response-header

Specification	Value
Type	*list*
Block object keys	

client-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-response-header-insert

Description Insert a SIP header (Header Content (Format: “name:value”))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-response

Description ‘insert-if-not-exist’: Only insert the header when it does not exist; ‘insert-always’: Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

sip-list_exclude-translation

Specification	Value
Type	*list*
Block object keys	

header-string

Description SIP header name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

translation-value

Description 'start-line': SIP request line or status line; 'header': SIP message headers; 'body': SIP message body;

Type: string

Supported Values: start-line, header, body

respmod-icap-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 0 - 65535, default is 0

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

respmod-icap-list_bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass respmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

virtual-server-list

Specification	Value
Type	*list*
Block object keys	

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-when-all-ports-down

Description Disable Virtual Server when all member ports are down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-all-ports-down and disable-when-any-port-down are mutually exclusive

disable-when-any-port-down

Description Disable Virtual Server when any member port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-any-port-down and disable-when-all-ports-down are mutually exclusive

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-rate-limit

Description ICMP rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-rate-limit

Description ICMPv6 rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

name

Description Virtual server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

subnet-gratuitous-arp

Description Send gratuitous ARP for every IP in the subnet virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-stack-tfo-active-conn-limit

Description The allowed active layer 7 tcp fast-open connection limit, default is zero (number)

Type: number

Range: 0-10000

Default: 0

tcp-stack-tfo-backoff-time

Description The time tcp stack will wait before allowing new fast-open requests after security condition, default 600 seconds (number)

Type: number

Range: 1-14400

Default: 600

tcp-stack-tfo-cookie-time-limit

Description The time limit (in seconds) that a layer 7 tcp fast-open cookie is valid, default is 60 seconds (number)

Type: number

Range: 1-14400

Default: 60

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-ssh-list

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hostkey

Description Specify private-key (Key Name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

name

Description Client SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssli-list

Specification	Value
Type	*list*
Block object keys	

name

Description SSLi Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'http': HTTP service; 'xmpp': XMPP service; 'smtp': SMTP service; 'pop': POP service; 'ldap': LDAP service; 'ftp': FTP service;

Type: string

Supported Values: http, xmpp, smtp, pop, ldap, ftp

Default: http

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssh-list

Specification	Value
Type	*list*
Block object keys	

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list

Specification	Value
Type	*list*
Block object keys	

add-padding-to-client

Description 'block-length': Block-Length Padding; 'random-block-length': Random-Block-Length Padding;

Type: string

Supported Values: block-length, random-block-length

cache-hitcount-enable

Description Enable DNS cache entry hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-record-serving-policy

Description 'global': Follow global cofiguration (Default); 'no-change': No change in record order; 'round-robin': Round-robin;

Type: string

Supported Values: global, no-change, round-robin

cache-ttl-adjustment-enable

Description enable the ttl adjustment for dns cache response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

category-lookup-bypass

Description DNS type class-lists for bypassing category lookup

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

category-lookup-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/category-lookup/{category-name}*

category-lookup-online-lookup

Description Enable online webroot lookup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

class-list

Description: class-list is a **JSON Block**. Please see below for *dns-list_class-list*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-ra-cached-resp

Description Disable DNS recursive available flag in cached response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-rpz-attach-soa

Description Disable attaching SOA due to RPZ

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cookie-cache-policy

Description 'served-by-cache': Answer from cache for requests with cookie; 'served-by-backend': Answer from server for requests with cookie;

Type: string

Supported Values: served-by-cache, served-by-backend

dns-logging

Description dns logging template (DNS Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns-logging*

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns-list_dns64*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/dns64*

dnssec-service-group

Description Use different service group if DNSSEC DO bit set (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

enable-cache-sharing

Description Enable DNS cache sharing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward to service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

insert-ipv4

Description prefix-length to insert for IPv4

Type: number

Range: 0-32

insert-ipv6

Description prefix-length to insert for IPv6

Type: number

Range: 0-128

label-count-filter

Description: label-count-filter is a **JSON Block**. Please see below for *dns-list_label-count-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/label-count-filter*

label-length-filter

Description: label-length-filter is a **JSON Block**. Please see below for *dns-list_label-length-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/label-length-filter*

local-dns-resolution

Description: local-dns-resolution is a **JSON Block**. Please see below for *dns-list_local-dns-resolution*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/local-dns-resolution*

max-cache-entry-size

Description Define maximum cache entry size (Maximum cache entry size per VIP (default 1024))

Type: number

Range: 1-4096

Default: 1024

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

max-query-length

Description Define Maximum DNS Query Length, default is unlimited (Specify Maximum Length)

Type: number

Range: 1-4095

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

negative-dns-cache

Description: negative-dns-cache is a **JSON Block**. Please see below for *dns-list_negative-dns-cache*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/negative-dns-cache*

period

Description Period in minutes

Type: number

Range: 1-10000

qps-log-high

Description high threshold for QPS logging (queries per second)

Type: number

Range: 1-64000000

qps-log-low

Description low threshold for QPS logging (queries per second)

Type: number

Range: 1-63999999

qps-threshold-log

Description enable threshold log for DNS QPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-class-filter

Description: query-class-filter is a **JSON Block**. Please see below for *dns-list_query-class-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/query-class-filter*

query-id-switch

Description Use DNS query ID to create sesion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-type-filter

Description: query-type-filter is a **JSON Block**. Please see below for *dns-list_query-type-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/query-type-filter*

recursive-dns-resolution

Description: recursive-dns-resolution is a **JSON Block**. Please see below for *dns-list_recursive-dns-resolution*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution*

redirect-to-tcp-port

Description Direct the client to retry with TCP for DNS UDP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-aa-flag

Description Make answers created from cache non-authoritative

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-csubnet

Description Remove EDNS(0) client subnet from client queries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-padding-to-server

Description Remove EDNS(0) padding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-rate-limiting

Description: response-rate-limiting is a **JSON Block**. Please see below for *dns-list_response-rate-limiting*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting*

rpz-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}*

tld-filter-log-enable

Description Enable dns tld filter logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tld-filter-white-list

Description white-list class-list name (string-insensitive type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

udp-retransmit

Description: udp-retransmit is a **JSON Block**. Please see below for *dns-list_udp-retransmit*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/udp-retransmit*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_response-rate-limiting

Specification	Value
Type	*object*

TC-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: TC-rate and slip-rate are mutually exclusive

action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-response-rate

Description Maximum allowed request rate for the filter. This should match average traffic. (default 10 per seconds)

Type: number

Range: 1-1000

Default: 10

match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

rrl-class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}*

slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: slip-rate and TC-rate are mutually exclusive

src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

dns-list_response-rate-limiting_rrl-class-list-list

Specification	Value
Type	*list*
Block object keys	

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_response-rate-limiting_rrl-class-list-list_lid-list

Specification	Value
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

lid-match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

lid-nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-16000000

Default: 5

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 0-16000000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: lid-slip-rate and lid-tc-rate are mutually exclusive

lid-src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-tc-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: lid-tc-rate and lid-slip-rate are mutually exclusive

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_recursive-dns-resolution

Specification	Value
Type	*object*

csubnet-retry

Description retry when server REFUSED AX inserted EDNS(0) subnet, works only when insert-client-subnet is configured

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-recursive

Description Default recursive mode, forward query to bound service-group if hostnames matched

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnssec-validation

Description 'enabled': Enable DNSSEC validation; 'disabled': Disable DNSSEC validation;

Type: string

Supported Values: enabled, disabled

Default: disabled

fast-ns-selection

Description 'enabled': Enable fast NS selection; 'disabled': Disable fast NS selection;

Type: string

Supported Values: enabled, disabled

Default: enabled

force-cname-resolution

Description 'enabled': Force CNAME resolution always; 'disabled': Use answer record in CNAME response if it exists, else resolve;

Type: string

Supported Values: enabled, disabled

Default: enabled

full-response

Description Serve all records (authority and additional) when applicable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-health-check

Description: gateway-health-check is a **JSON Block**. Please see below for *dns-list_recursive-dns-resolution_gateway-health-check*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check*

host-list-cfg

Type: List

ipv4-nat-pool

Description IPv4 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv6-nat-pool

Description IPv6 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

lookup-order

Description: lookup-order is a **JSON Block**. Please see below for *dns-list_recursive-dns-resolution_lookup-order*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 255

Type: number

Range: 1-255

Default: 255

ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: enabled

ns-longest-match

Description 'disabled': Look up NS of top level label, do a nearly-full resolution; 'enabled': Enable NS cache longest match;

Type: string

Supported Values: disabled, enabled

Default: enabled

parallel-queries

Description Number of parallel queries to send to servers

Type: number

Range: 1-15

Default: 1

request-for-pending-resolution

Description 'drop': Drop of the request during ongoing; 'respond-with-servfail': Respond with SERVFAIL of the request during ongoing; 'start-new-resolution': Start new resolution of the request during ongoing;

Type: string

Supported Values: drop, respond-with-servfail, start-new-resolution

Default: respond-with-servfail

retries-per-level

Description Number of DNS query retries at each server level before closing client connection, default 6

Type: number

Range: 1-6

Default: 6

udp-initial-interval

Description UDP DNS Retry Interval value 1-6, default is 5 sec (1-6, default is 5sec)

Type: number

Range: 1-6

Default: 5

udp-retry-interval

Description UDP DNS Retry Interval value 1-6, default is 1 sec (1-6 , default is 1 sec)

Type: number

Range: 1-6

Default: 1

use-client-qid

Description Use client side query id for recursive query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-service-group-response

Description 'disabled': Start Recursive Resolver if Server response doesnt have final answer; 'enabled': Forward Backend Server response to client and dont start recursive resolver;

Type: string

Supported Values: disabled, enabled

Default: enabled

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_recursive-dns-resolution_gateway-health-check

Specification	Value
Type	*object*

gwhc-ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: disabled

interval

Description Specify the health check interval, default is 10 sec (Interval value, in seconds (default 10))

Type: number

Range: 1-300

Default: 10

num-query-type

Description Other record type value

Type: number

Range: 1-65535

Mutual Exclusion: num-query-type and str-query-type are mutually exclusive

query-name

Description Specify the query name used in probe queries, default "a10networks.com"

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Default: a10networks.com

retry

Description Maximum number of DNS query retries at each server level before health check fails, default 6 (Retry count (default 6))

Type: number

Range: 1-6

Default: 6

retry-multi

Description Specify number of times that health check consecutively fails before declaring gateway DOWN, default 1 (retry-multi count (default 1))

Type: number

Range: 1-10

Default: 1

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT

Default: A

Mutual Exclusion: str-query-type and num-query-type are mutually exclusive

timeout

Description Specify the health check timeout before retrying or finish, default is 5 sec (Timeout value, in seconds (default 5))

Type: number

Range: 1-6

Default: 5

up-retry

Description Specify number of times that health check consecutively passes before declaring gateway UP, default 1 (up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_recursive-dns-resolution_lookup-order

Specification	Value
Type	*object*

query-type

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_recursive-dns-resolution_lookup-order_query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other query type value

Type: number

Range: 1-65535

order

Description 'ipv4-precede-ipv6': Recursive lookup via IPv4 then IPv6; 'ipv6-precede-ipv4': Recursive lookup via IPv6 then IPv4;

Type: string

Supported Values: ipv4-precede-ipv6, ipv6-precede-ipv4

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

dns-list_recursive-dns-resolution_host-list-cfg

Specification	Value
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (dns type), perform resolution while query name matched

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

dns-list_label-length-filter

Specification	Value
Type	*object*

drop-log-enable

Description enable the log when hit the rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fqdn-label-length

Type: List

label-length-filter-action

Description 'drop': drop; 'ignore': ignore;

Type: string

Supported Values: drop, ignore

Default: drop

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_label-length-filter_fqdn-label-length

Specification	Value
Type	*list*
Block object keys	

length

Description fqdn label length

Type: number

Range: 1-63

suffix

Description

Type: number

Range: 1-5

dns-list_class-list

Specification	Value
Type	*object*

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *dns-list_class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_class-list_lid-list_dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

dns-list_dns64

Specification	Value
Type	*object*

cache

Description Use a cached A-query response to provide AAAA query responses for the same hostname

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-query

Description Always change incoming AAAA DNS Query to A

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable DNS64 (Need to config this option before config any other dns64 options)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parallel-query

Description Forward AAAA Query & generate A Query in parallel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retry

Description Retry count, default is 3 (Retry Number)

Type: number

Range: 0-15

Default: 3

single-response-disable

Description Disable Single Response which is used to avoid ambiguity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout to send additional Queries, unit: second, default is 1

Type: number

Range: 0-15

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_udp-retransmit

Specification	Value
Type	*object*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_query-class-filter

Specification	Value
Type	*object*

query-class

Type: List

query-class-action

Description 'allow': Allow only certain DNS query classes; 'deny': Deny only certain DNS query classes;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_query-class-filter_query-class

Specification	Value
Type	*list*
Block object keys	

num-query-class

Description Other query class value

Type: number

Range: 1-65535

str-query-class

Description 'INTERNET': INTERNET query class; 'CHAOS': CHAOS query class; 'HESIOD': HESIOD query class; 'NONE': NONE query class; 'ANY': ANY query class;

Type: string

Supported Values: INTERNET, CHAOS, HESIOD, NONE, ANY

dns-list_category-lookup-list

Specification	Value
Type	*list*
Block object keys	

category-name

Description category-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

drop

Description Deny matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop,permit, respond, respond-nxdomain, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

permit

Description Permit matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit,drop, respond, respond-nxdomain, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

respond

Description Respond to matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: respond, permit, and drop are mutually exclusive

respond-cname-str

Description CNAME to respond (Canonical name)

Type: string

Maximum Length: 256 characters

Maximum Length: 1 characters

Mutual Exclusion: respond-cname-str,permit, drop, and respond-nxdomain are mutually exclusive

respond-ip-addr

Description Type A record to respond (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: respond-ip-addr,permit, drop, and respond-nxdomain are mutually exclusive

respond-ipv6-addr

Description TYPE AAAA record to respond (IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: respond-ipv6-addr,permit, drop, and respond-nxdomain are mutually exclusive

respond-nxdomain

Description Respond with NXDOMAIN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: respond-nxdomain,permit, drop, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

response-ttl

Description Set response TTL in seconds (TTL value in seconds)

Type: number

Range: 1-259200

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_local-dns-resolution

Specification	Value
Type	*object*

host-list-cfg

Type: List

local-resolver-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_local-dns-resolution_host-list-cfg

Specification	Value
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (dns type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

dns-list_local-dns-resolution_local-resolver-cfg

Specification	Value
Type	*list*
Block object keys	

local-resolver

Description Local dns servers (address)

Type: string

Format: ipv4-address

dns-list_label-count-filter

Specification	Value
Type	*object*

drop-log-enable

Description enable the log when hit the rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

label-count-filter-action

Description 'drop': drop; 'ignore': ignore;

Type: string

Supported Values: drop, ignore

Default: drop

max-fqdn-label-count

Description Maximum number of FQDN labels per FQDN

Type: number

Range: 1-31

min-fqdn-label-count

Description Minimum number of FQDN labels per FQDN

Type: number

Range: 1-7

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_negative-dns-cache

Specification	Value
Type	*object*

bypass-query-threshold

Description the threshold bypass the query, default is 100

Type: number

Range: 1-65535

Default: 100

cache-non-valid

Description Enable caching non-valid negative response, otherwise will only cache valid negative response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-negative-dns-cache

Description Enable DNS negative cache (Need to turn-on the dns-cache for this feature)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-negative-cache-ttl

Description Max negative cache ttl, default is 2 hours

Type: number

Range: 0-604800

Default: 7200

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_query-type-filter

Specification	Value
Type	*object*

query-type

Type: List

query-type-action

Description 'allow': Allow only certain DNS query types; 'deny': Deny only certain DNS query types;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_query-type-filter_query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other record type value

Type: number

Range: 1-65535

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

dns-list_rpz-list

Specification	Value
Type	*list*
Block object keys	

logging

Description: logging is a **JSON Block**. Please see below for *dns-list_rpz-list_logging*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging*

name

Description Specify a Response Policy Zone name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-id

Description sequential id of RPZ

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_rpz-list_logging

Specification	Value
Type	*object*

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-list_rpz-list_logging_rpz-action

Specification	Value
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

http-list

Specification	Value
Type	*list*
Block object keys	

100-cont-wait-for-req-complete

Description When REQ has Expect 100 and response is not 100, then wait for whole request to be sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-methods

Description Enable allowed-method check (List of allowed HTTP methods)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: allowed-methods and disallowed-methods are mutually exclusive

allowed-methods-action

Description 'drop': Respond 400 directly;

Type: string

Supported Values: drop

Default: drop

bypass-sg

Description Select service group for non-http traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

client-idle-timeout

Description Client session timeout if the next request is not received (timeout in seconds. 0 means disable, default is 0)

Type: number

Range: 0-120

Default: 0

client-ip-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-port-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-auto-disable-on-high-cpu

Description Auto-disable software compression on high cpu usage (Disable compression if cpu usage is above threshold. Default is off.)

Type: number

Range: 1-100

compression-br-level

Description brotli compression level, default 1 (brotli compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-br-sliding-window-size

Description brotli compression sliding window size, default 10 (brotli compression sliding window size in the form of log (i.e., 10 means 1k-16MB bytes))

Type: number

Range: 10-24

compression-content-type

Type: List

compression-enable

Description Enable Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-exclude-content-type

Type: List

compression-exclude-uri

Type: List

compression-keep-accept-encoding

Description Keep accept encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-keep-accept-encoding-enable

Description Enable Server Accept Encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-level

Description gzip compression level, default 1 (gzip compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-method-order

Description Method Order (Order to decide which compression algorithm to be applied when multiple algorithms are acceptable)

Type: string

Format: string-rlx

Maximum Length: 11 characters

Maximum Length: 11 characters

compression-minimum-content-length

Description Minimum Content Length (Minimum content length for compression in bytes. Default is 120.)

Type: number

Range: 1-2147483647

Default: 120

cookie-format

Description 'rfc6265': Follow rfc6265;

Type: string

Supported Values: rfc6265

cookie-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

default-charset

Description 'iso-8859-1': Use ISO-8859-1 as the default charset; 'utf-8': Use UTF-8 as the default charset; 'us-ascii': Use US-ASCII as the default charset;

Type: string

Supported Values: iso-8859-1, utf-8, us-ascii

Default: utf-8

disallowed-methods

Description Enable disallowed-method check (List of disallowed HTTP methods)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: disallowed-methods and allowed-methods are mutually exclusive

disallowed-methods-action

Description 'drop': Respond 400 directly;

Type: string

Supported Values: drop

Default: drop

failover-url

Description Failover to this URL (Failover URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

frame-limit

Description Limit the number of CONTINUATION, PING, PRIORITY, RESET, SETTINGS and empty frames in one HTTP2 connection, default 10000

Type: number

Range: 0-65535

Default: 10000

host-switching

Type: List

http-protocol-check

Description: http-protocol-check is a **JSON Block**. Please see below for *http-list_http-protocol-check*

Type: Object

Reference Object: */axapi/v3/slb/template/http/{name}/http-protocol-check*

http2-client-no-snat

Description Set max-concurrent-stream = 1 when the client side is HTTP2 and no source-nat configuration is under vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip

Description Insert Client IP address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip-header-name

Description HTTP Header Name for inserting Client IP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

insert-client-port

Description Insert Client Port address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-port-header-name

Description HTTP Header Name for inserting Client Port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

keep-client-alive

Description Keep client alive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-retry

Description log when HTTP request retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-concurrent-streams

Description (http2 only) Max concurrent streams, default 50

Type: number

Range: 1-1000

Default: 50

max-transaction-allowed

Description Max transactions allowed, default 0 (no limit)

Type: number

Range: 0-65535

Default: 0

name

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-http-bypass

Description Bypass non-http traffic instead of dropping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

persist-on-401

Description Persist to the same server if the response code is 401

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute; 'check': check server prefix and enforce prefix format;

Type: string

Supported Values: host, secure, check

rd-port

Description Port (Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: rd-port and rd-simple-loc are mutually exclusive

rd-resp-code

Description '301': Moved Permanently; '302': Found; '303': See Other; '307': Temporary Redirect;

Type: string

Supported Values: 301, 302, 303, 307

rd-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rd-secure and rd-simple-loc are mutually exclusive

rd-simple-loc

Description Redirect location tag absolute URI string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: rd-simple-loc, rd-secure, and rd-port are mutually exclusive

redirect

Description Automatically send a redirect response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-rewrite

Description: redirect-rewrite is a **JSON Block**. Please see below for *http-list_redirect-rewrite*

Type: Object

req-hdr-wait-time

Description HTTP request header wait time before abort connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-hdr-wait-time-val

Description Number of seconds wait for client request header (default is 7)

Type: number

Range: 1-31

Default: 7

request-header-erase-list

Type: List

request-header-insert-list

Type: List

request-line-case-insensitive

Description Parse http request line as case insensitive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-timeout

Description Request timeout if response not received (timeout in seconds)

Type: number

Range: 1-120

response-content-replace-list

Type: List

response-header-erase-list

Type: List

response-header-insert-list

Type: List

retry-on-5xx

Description Retry http request on HTTP 5xx code and request timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx and retry-on-5xx-per-req are mutually exclusive

retry-on-5xx-per-req

Description Retry http request on HTTP 5xx code for each request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx-per-req and retry-on-5xx are mutually exclusive

retry-on-5xx-per-req-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

retry-on-5xx-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

server-support-http2-only

Description Notify the vport regarding whether server supports http2 only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-support-http2-only-value

Description 'auto-detect': Commuincate with the server via HTTP/2 when an support-http2-only rport is detected; 'force': Communicate with the server via HTTP/2 when possible;

Type: string

Supported Values: auto-detect, force

Default: auto-detect

stream-cancellation-limit

Description cancellation limit, default 0 (accumulated cancellation limit value, default is 0)

Type: number

Range: 0-1000

Default: 0

stream-cancellation-rate

Description cancellation rate, default 10 (cancellation rate value, default is 10)

Type: number

Range: 0-1000

Default: 10

strict-transaction-switch

Description Force server selection on every HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template

Description: template is a **JSON Block**. Please see below for *http-list_template*

Type: Object

term-11client-hdr-conn-close

Description Terminate HTTP 1.1 client when req has Connection: close

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-hash-first

Description Use the begining part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-first and url-hash-last are mutually exclusive

url-hash-last

Description Use the end part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-last and url-hash-first are mutually exclusive

url-hash-offset

Description Skip part of URL to calculate hash value (Offset of the URL string)

Type: number

Range: 0-255

url-hash-persist

Description Use URL's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-switching

Type: List

use-server-status

Description Use Server-Status header to do URL hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-list_request-header-erase-list

Specification	Value
Type	*list*
Block object keys	

request-header-erase

Description Erase a header from HTTP request (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-list_redirect-rewrite

Specification	Value
Type	*object*

match-list

Type: List

redirect-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-secure-port

Description Port (Port Number)

Type: number

Range: 1-65535

Default: 443

http-list_redirect-rewrite_match-list

Specification	Value
Type	*list*
Block object keys	

redirect-match

Description URL Matching (Pattern URL String)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rewrite-to

Description Rewrite to Destination URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-list_response-header-insert-list

Specification	Value
Type	*list*
Block object keys	

response-header-insert

Description Insert a header into HTTP response (Header Content (Format: "[name]:[value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

http-list_response-header-erase-list

Specification	Value
Type	*list*
Block object keys	

response-header-erase

Description Erase a header from HTTP response (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

http-list_template

Specification	Value
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

http-list_url-switching

Specification	Value
Type	*list*
Block object keys	

url-match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

url-switching-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string; 'regex-match': Select service group if URL string matches with regular expression; 'url-case-insensitive': Case insensitive URL switching; 'url-hits-enable': Enables URL Hits;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, url-case-insensitive, url-hits-enable

http-list_response-content-replace-list

Specification	Value
Type	*list*
Block object keys	

response-content-replace

Description replace the data from HTTP response content (String in the http content need to be replaced)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-new-string

Description String will be in the http content

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

http-list_http-protocol-check

Specification	Value
Type	*object*

get-and-payload

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-content-length-alias

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-with-host-and-auth

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-with-transfer-encoding

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

header-filter-rule-list

Type: List

Reference Object: */axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}*

malformed-h2up-header-value

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

malformed-h2up-scheme-value

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

multiple-content-length

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

multiple-transfer-encoding

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

transfer-encoding-and-content-length

Description 'drop': Drop the request and Send 400 to the client side;

Type: string

Supported Values: drop

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-list_http-protocol-check_header-filter-rule-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'drop': Drop the request;

Type: string

Supported Values: drop

header-name-value

Description Header name value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-value

Description Header value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type-value

Description 'full-text': Full text match; 'pcre': PCRE match;

Type: string

Supported Values: full-text, pcre

seq-num

Description Specify a sequence number

Type: number

Range: 0-4

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-list_request-header-insert-list

Specification	Value
Type	*list*
Block object keys	

request-header-insert

Description Insert a header into HTTP request (Header Content (Format: "[name]:[value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

http-list_host-switching

Specification	Value
Type	*list*
Block object keys	

host-match-string

Description Hostname String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

host-switching-type

Description 'contains': Select service group if hostname contains another string; 'ends-with': Select service group if hostname ends with another string; 'equals': Select service group if hostname equals another string; 'starts-with': Select service group if hostname starts with another string; 'regex-match': Select service group if URL string matches with regular expression; 'host-hits-enable': Enables Host Hits counters;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, host-hits-enable

http-list_compression-content-type

Specification	Value
Type	*list*
Block object keys	

content-type

Description Compression content-type

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-list_compression-exclude-uri

Specification	Value
Type	*list*
Block object keys	

exclude-uri

Description Compression exclude uri

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

http-list_compression-exclude-content-type

Specification	Value
Type	*list*
Block object keys	

exclude-content-type

Description Compression exclude content-type (Compression exclude content type)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

dns-logging-list

Specification	Value
Type	*list*
Block object keys	

custom-log-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/custom-log/{trigger-reason}*

disable

Description Disable DNS Logging template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging-protocol

Description 'both': Log DNS over tcp and udp; 'tcp': Log DNS over tcp; 'udp': Log DNS over udp;

Type: string

Supported Values: both, tcp, udp

dns-logging-request-section

Description 'all': Log DNS header and question section; 'header': Log DNS header information; 'question': Log DNS question section;

Type: string

Supported Values: all, header, question

dns-logging-response-section

Description 'all': Log DNS header information, answer, authority, additional section content; 'header': Log DNS header information; 'answer': Log DNS header information and answer section content;

Type: string

Supported Values: all, header, answer

dns-logging-type

Description 'query': DNS Query Logging; 'response': DNS Response Logging; 'both': DNS Query and Response Logging;

Type: string

Supported Values: query, response, both

name

Description DNS Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-include-rcode

Description Log DNS Rcode with Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type

Description: response-type is a **JSON Block**. Please see below for *dns-logging-list_response-type*

Type: Object

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/response-type*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-logging-list_response-type

Specification	Value
Type	*object*

config

Description start config the response type detail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-logging-list_response-type_type-list

Specification	Value
Type	*list*
Block object keys	

caa-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: caa-type-limit-num and caa-type-no-limit are mutually exclusive

caa-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: caa-type-no-limit and caa-type-limit-num are mutually exclusive

digest

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnskey-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: dnskey-type-limit-num and dnskey-type-no-limit are mutually exclusive

dnskey-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dnskey-type-no-limit and dnskey-type-limit-num are mutually exclusive

ds-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: ds-type-limit-num and ds-type-no-limit are mutually exclusive

ds-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ds-type-no-limit and ds-type-limit-num are mutually exclusive

length-limit-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

naptr-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: naptr-type-limit-num and naptr-type-no-limit are mutually exclusive

naptr-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: naptr-type-no-limit and naptr-type-limit-num are mutually exclusive

opt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: opt-type-limit-num and opt-type-no-limit are mutually exclusive

opt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: opt-type-no-limit and opt-type-limit-num are mutually exclusive

other-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

public-key

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdata-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type-name

Description 'TXT': TXT; 'RRSIG': RRSIG; 'TSIG': TSIG; 'DNSKEY': DNSKEY; 'DS': DS; 'CAA': CAA; 'NAPTR': NAPTR; 'OPT': OPT;

Type: string

Supported Values: TXT, RRSIG, TSIG, DNSKEY, DS, CAA, NAPTR, OPT

rrsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: rrsig-type-limit-num and rrsig-type-no-limit are mutually exclusive

rrsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rrsig-type-no-limit and rrsig-type-limit-num are mutually exclusive

service-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

signature

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: tsig-type-limit-num and tsig-type-no-limit are mutually exclusive

tsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tsig-type-no-limit and tsig-type-limit-num are mutually exclusive

txt-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

txt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: txt-type-limit-num and txt-type-no-limit are mutually exclusive

txt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: txt-type-no-limit and txt-type-limit-num are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging-list_custom-log-list

Specification	Value
Type	*list*
Block object keys	

enable

Description Enable this log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

format

Description Request Message (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

trigger-reason

Description 'request': log when request comes from client; 'response': log when response to client;

Type: string

Supported Values: request, response

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-list

Specification	Value
Type	*list*
Block object keys	

aflow

Description Use aFlow to eliminate the traffic surge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-syn-otherflags

Description Allow initial SYN packet with other flags

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-vip-to-rport-mapping

Description Allow mapping of VIP to real port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-unknown-conn

Description Drop conection if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-options

Description 'no-logging': Do not log over limit event; 'no-repeat-logging': log once for over limit event. Default is log once per minute;

Type: string

Supported Values: no-logging, no-repeat-logging

name

Description Virtual port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

non-syn-initiation

Description Allow initial TCP packet to be non-SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-interval

Description '100ms': Source IP and port rate limit per 100ms; 'second': Source IP and port rate limit per second (default);

Type: string

Supported Values: 100ms, second

Default: second

pkt-rate-limit-reset

Description send client-side reset (reset after packet limit)

Type: number

Range: 0-1048575

Default: 0

pkt-rate-type

Description 'src-ip-port': Source IP and port rate limit; 'src-port': Source port rate limit;

Type: string

Supported Values: src-ip-port, src-port

rate

Description Source IP and port rate limit (Packet rate limit)

Type: number

Range: 1-1048575

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reset-l7-on-failover

Description Send reset to L7 client and server connection upon a failover

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-unknown-conn

Description Send reset back if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-msl

Description Source NAT MSL (Source NAT MSL value (seconds))

Type: number

Range: 1-1800

snat-port-preserve

Description Source NAT Port Preservation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

when-rr-enable

Description Only do rate limit if CPU RR triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mqtt-list

Specification	Value
Type	*list*
Block object keys	

clientid-hash-first

Description Use the begining part of client ID to calculate hash value (client ID string length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-last

Description Use the end part of Client ID to calculate hash value (Client ID length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-offset

Description Skip part of Client ID to calculate hash value (Offset of the Client ID)

Type: number

Range: 0-255

clientid-hash-persist

Description Use Client ID's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description MQTT Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cipher-list

Specification	Value
Type	*list*
Block object keys	

cipher-cfg

Type: List

cipher13-cfg

Type: List

name

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cipher-list_cipher13-cfg

Specification	Value
Type	*list*
Block object keys	

cipher13-suite

Description 'TLS_AES_256_GCM_SHA384': TLS_AES_256_GCM_SHA384 (0x1302); 'TLS_CHACHA20_POLY1305_SHA256': TLS_CHACHA20_POLY1305_SHA256 (0x1303); 'TLS_AES_128_GCM_SHA256': TLS_AES_128_GCM_SHA256 (0x1301);

Type: string

Supported Values: TLS_AES_256_GCM_SHA384, TLS_CHACHA20_POLY1305_SHA256, TLS_AES_128_GCM_SHA256

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

cipher-list_cipher-cfg

Specification	Value
Type	*list*
Block object keys	

cipher-suite

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA

(0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA); 'TLS1_ECDHE_SM2_WITH_SMS4_SM3': TLS_ECDHE_SM2_WITH_SMS4_SM3 (0xE102); 'TLS1_ECDHE_SM2_WITH_SMS4_SHA256': TLS_ECDHE_SM2_WITH_SMS4_SHA256 (0xE105); 'TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3': TLS_ECDHE_SM2_WITH_SMS4_GCM_SM3 (0xE107);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_SM3, TLS1_ECDHE_SM2_WITH_SMS4_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

policy-list

Specification	Value
Type	*list*
Block object keys	

bw-list-id

Type: List

bw-list-name

Description Specify a blacklist/whitelist name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list

Description: class-list is a **JSON Block**. Please see below for *policy-list_class-list*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/class-list*

forward-policy

Description: forward-policy is a **JSON Block**. Please see below for *policy-list_forward-policy*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy*

full-domain-tree

Description Share counters between geo-location and sub regions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Log interval (minute)

Type: number

Range: 1-255

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

over-limit

Description Specify operation in case over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-lockup

Description Don't accept any new connection for certain time (Lockup duration (minute))

Type: number

Range: 1-127

over-limit-logging

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-reset

Description Reset the connection when it exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

overlap

Description Use overlap mode for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

share

Description Share counters between virtual ports and virtual servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Define timeout value of PBSLB dynamic entry (Timeout value (minute, default is 5))

Type: number

Range: 1-127

Default: 5

use-destination-ip

Description Use destination IP to match the policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy

Specification	Value
Type	*object*

acos-event-log

Description Enable acos event logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}*

dual-stack-action-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}*

enable-adv-match

Description Enable adv-match rules and deactive all the other kinds of destination rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filtering

Type: List

forward-http-connect-to-icap

Description Forward HTTP CONNECT request to ICAP server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-client-conn-reuse

Description Inspects only first request of a connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reqmod-icap

Description ICAP reqmod template (Reqmod ICAP Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/reqmod-icap*

require-web-category

Description Wait for web category to be resolved before taking proxy decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

san-filtering

Type: List

source-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_filtering

Specification	Value
Type	*list*
Block object keys	

ssli-url-filtering

Description 'bypassed-sni-disable': Disable SNI filtering for bypassed URL's(enabled by default); 'intercepted-sni-enable': Enable SNI filtering for intercepted URL's(disabled by default); 'intercepted-http-disable': Disable HTTP(host/URL) filtering for intercepted URL's(enabled by default); 'no-sni-allow': Allow connection if SNI filtering is enabled and SNI header is not present(Drop by default);

Type: string

Supported Values: bypassed-sni-disable, intercepted-sni-enable, intercepted-http-disable, no-sni-allow

policy-list_forward-policy_san-filtering

Specification	Value
Type	*list*
Block object keys	

ssli-url-filtering-san

Description 'enable-san': Enable SAN filtering(disabled by default); 'bypassed-san-disable': Disable SAN filtering for bypassed URL's(enabled by default); 'intercepted-san-enable': Enable SAN filtering for intercepted URL's(disabled by default); 'no-san-allow': Allow connection if SAN filtering is enabled and SAN field is not present(Drop by default);

Type: string

Supported Values: enable-san, bypassed-san-disable, intercepted-san-enable, no-san-allow

policy-list_forward-policy_action-list

Specification	Value
Type	*list*
Block object keys	

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'forward-to-proxy': Forward request to HTTP proxy server; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url, drop-response-code, and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fall-back-snat and fall-back-snat-pt-only are mutually exclusive

fall-back-snat-pt-only

Description Source port translation only for fallback server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fall-back-snat-pt-only and fall-back-snat are mutually exclusive

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-snat and forward-snat-pt-only are mutually exclusive

forward-snat-pt-only

Description Source port translation only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward-snat-pt-only and forward-snat are mutually exclusive

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_action-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

policy-list_forward-policy_dual-stack-action-list

Specification	Value
Type	*list*
Block object keys	

fall-back

Description Fallback service group

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

fall-back-snat

Description Source NAT pool or pool group for fallback

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv4

Description IPv4 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv4-snat

Description IPv4 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv6

Description IPv6 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv6-snat

Description IPv6 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_dual-stack-action-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests forward by this action;

Type: string

Supported Values: all, hits

policy-list_forward-policy_source-list

Specification	Value
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *policy-list_forward-policy_source-list_destination*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_source-list_destination

Specification	Value
Type	*object*

adv-match-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}*

any

Description: any is a **JSON Block**. Please see below for *policy-list_forward-policy_source-list_destination_any*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

policy-list_forward-policy_source-list_destination_class-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': Match URL; 'ip': Match destination IP address;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_source-list_destination_web-category-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Web Category List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

policy-list_forward-policy_source-list_destination_any

Specification	Value
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_source-list_destination_any_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

policy-list_forward-policy_source-list_destination_adv-match-list

Specification	Value
Type	*list*
Block object keys	

action

Description Forwading action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

disable-reqmod-icap

Description Disable REQMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-respmod-icap

Description Disable RESPMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dual-stack-action

Description Forwarding action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

match-host

Description Match request host (HTTP stage) or SNI/SAN (SSL stage)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-encoding

Description Match the value of HTTP header "Content-Encoding"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-length-range-begin

Description Match the value of HTTP header "Content-Length" with an inclusive range

Type: number

Range: 0-2147483647

match-http-content-length-range-end

Description End of the "Content-Length" range

Type: number

Range: 0-2147483647

match-http-content-type

Description Match the value of HTTP header "Content-Type"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-header

Description Matching the name of all request headers

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-method-connect

Description Match HTTP request method CONNECT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-delete

Description Match HTTP request method DELETE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-get

Description Match HTTP request method GET

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-head

Description Match HTTP request method HEAD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-options

Description Match HTTP request method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-patch

Description Match HTTP request method PATCH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-post

Description Match HTTP request method POST

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-put

Description Match HTTP request method PUT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-trace

Description Match HTTP request method TRACE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-request-file-extension

Description Match file extension of URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url

Description Match URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url-regex

Description Match URI in HTTP request line by given regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-http-user-agent

Description Matching the value of HTTP header "User-Agent"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-address

Description Match target server IP address

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-port

Description Match target server port number

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port and match-server-port-range-begin are mutually exclusive

match-server-port-range-begin

Description Math targer server port range inclusively

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port-range-begin and match-server-port are mutually exclusive

match-server-port-range-end

Description End of port range

Type: number

Range: 1-65535

match-time-range

Description Enable rule in this time-range

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/time-range*

match-web-category-list

Description Match web-category list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

match-web-reputation-scope

Description Match web-reputation scope

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

notify-page

Description Send notify-page to client

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/notify-page*

priority

Description Rule priority (1000 is highest)

Type: number

Range: 1-1000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_forward-policy_source-list_destination_adv-match-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests hit this rule;

Type: string

Supported Values: all, hits

policy-list_forward-policy_source-list_destination_web-reputation-scope-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

policy-list_forward-policy_source-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

policy-list_class-list

Specification	Value
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name or geo-location-class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *policy-list_class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

policy-list_class-list_lid-list_dns64

Specification	Value
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

policy-list_class-list_lid-list_response-code-rate-limit

Specification	Value
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

policy-list_bw-list-id

Specification	Value
Type	*list*
Block object keys	

action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

bw-list-action

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: bw-list-action and service-group are mutually exclusive

fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

id

Description Specify id that maps to service group (The id number)

Type: number

Range: 0-1023

logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pbslb-interval

Description Specify logging interval in minutes

Type: number

Range: 0-60

Default: 3

pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group and bw-list-action are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

policy-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwd-policy-dns-unresolved': Forward-policy unresolved DNS queries; 'fwd-policy-dns-outstanding': Forward-policy current DNS outstanding requests; 'fwd-policy-snat-fail': Forward-policy source-nat translation failure; 'fwd-policy-hits': Number of forward-policy requests for this policy template; 'fwd-policy-forward-to-internet': Number of forward-policy requests forwarded to internet; 'fwd-policy-forward-to-service-group': Number of forward-policy requests forwarded to service group; 'fwd-policy-forward-to-proxy': Number of forward-policy requests forwarded to proxy; 'fwd-policy-policy-drop': Number of forward-policy requests dropped; 'fwd-policy-source-match-not-found': Forward-policy requests without matching source rule; 'exp-client-hello-not-found': Expected Client HELLO requests not found;

Type: string

Supported Values: all, fwd-policy-dns-unresolved, fwd-policy-dns-outstanding, fwd-policy-snat-fail, fwd-policy-hits, fwd-policy-forward-to-internet, fwd-policy-forward-to-service-group, fwd-policy-forward-to-proxy, fwd-policy-policy-drop, fwd-policy-source-match-not-found, exp-client-hello-not-found

server-list

Specification	Value
Type	*list*
Block object keys	

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-acct

Description 'to-server-only': Only account for traffic sent to server; 'from-server-only': Only account for traffic received from server; 'all': Account for all traffic sent to and received from server;

Type: string

Supported Values: to-server-only, from-server-only, all

Default: all

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-fail-interval

Description The interval to retry when DNS failed to query (DNS failure interval (in second, default is 30))

Type: number

Range: 0-1800

Default: 30

dns-query-interval

Description The interval to query DNS server for the hostname (DNS query interval (in minute, default is 10))

Type: number

Range: 1-1440

Default: 10

dynamic-server-prefix

Description Prefix of dynamic server (Prefix of dynamic server (default is “DRS”))

Type: string

Maximum Length: 3 characters

Maximum Length: 1 characters

Default: DRS

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

log-selection-failure

Description Enable real-time logging for server selection failure event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-dynamic-server

Description Maximum dynamic server number (Maximum dynamic server number (default is 255))

Type: number

Range: 1-1023

Default: 255

min-ttl-ratio

Description Minimum TTL to DNS query interval ratio (Minimum TTL ratio (default is 2))

Type: number

Range: 1-15

Default: 2

name

Description Server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

slow-start

Description Slowly ramp up the connection number after server is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description Servers under the template are spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for the Real Servers (Connection Weight (default is 1))

Type: number

Range: 1-1000

Default: 1

monitor-list

Specification	Value
Type	*list*
Block object keys	

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_clear-cfg

Specification	Value
Type	*list*
Block object keys	

clear-all-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-all-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

monitor-list_link-enable-cfg

Specification	Value
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-up-cfg

Specification	Value
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-down-cfg

Specification	Value
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-disable-cfg

Specification	Value
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

tcp-proxy-list

Specification	Value
Type	*list*
Block object keys	

ack-aggressiveness

Description 'low': Delayed ACK; 'medium': Delayed ACK, with ACK on each packet with PUSH flag; 'high': ACK on each packet;

Type: string

Supported Values: low, medium, high

Default: low

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backend-wscale

Description The TCP window scale used for the server side, default is off (number)

Type: number

Range: 1-14

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

disable-abc

Description Appropriate Byte Counting RFC 3465 Disabled, default is enabled (Appropriate Byte Counting (ABC) is enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sack

Description disable Selective Ack Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-tcp-timestamps

Description disable TCP Timestamps Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-window-scale

Description disable TCP Window-Scale Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

dynamic-buffer-allocation

Description Optimally adjust the transmit and receive buffer sizes of TCP proxy while keeping their sum constant

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-retransmit

Description Configure the Early-Retransmit Algorithm (RFC 5827) (Early-Retransmit is disabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin-timeout

Description FIN timeout (sec), default is disabled (number)

Type: number

Range: 1-60

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (cmd is deprecated, use fin-timeout instead) (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout (Interval of 60 seconds), default is 600 (idle timeout in second, default 600)

Type: number

Range: 1-2097151

Default: 600

init-cwnd

Description The initial congestion control window size (packets), default is 10 (init-cwnd in packets, default 10)

Type: number

Range: 1-15

Default: 10

initial-window-size

Description Set the initial window size, default is off (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-rate-limit

Description Invalid Packet Response Rate Limit (ms), default is 500 (number default 500 challenges)

Type: number

Range: 0-60000000

Default: 500

keepalive-interval

Description Interval between keepalive probes (sec), default is off (number (seconds))

Type: number

Range: 60-12000

keepalive-probes

Description Number of keepalive probes sent, default is off

Type: number

Range: 2-10

limited-slowstart

Description RFC 3742 Limited Slow-Start for TCP with Large Congestion Windows (number)

Type: number

Range: 0-2147483647

Default: 0

maxburst

Description The max packet count sent per transmission event (number)

Type: number

Range: 1-100

Default: 25

min-rto

Description The minmum retransmission timeout, default is 200ms (number)

Type: number

Range: 100-1000

Default: 200

mss

Description Responding MSS to use if client MSS is large, default is off (number)

Type: number

Range: 128-9000

Default: 1460

nagle

Description Enable Nagle Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

naked-ack-on-handshake

Description Send naked ack before data during 3-way handshake

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *tcp-proxy-list_proxy-header*

Type: Object

psh-flag-optimization

Description Enable Optimized PSH Flag Use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qos

Description QOS level (number)

Type: number

Range: 1-63

reassembly-limit

Description The reassembly queuing limit, default is 25 segments (number)

Type: number

Range: 1-500

Default: 25

reassembly-timeout

Description The reassembly timeout, default is 30sec (number)

Type: number

Range: 1-300

Default: 30

receive-buffer

Description TCP Receive Buffer (default 200k) (number default 200000 bytes)

Type: number

Range: 1-2147483647

Default: 200000

reno

Description Enable Reno Congestion Control Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-retries

Description Number of Retries for Retransmit, default is 5

Type: number

Range: 1-20

Default: 5

server-down-action

Description 'FIN': FIN Connection; 'RST': Reset Connection;

Type: string

Supported Values: FIN, RST

syn-retries

Description SYN Retry Numbers, default is 5

Type: number

Range: 1-20

Default: 5

tcp-do-newsack

Description 'enable': Enable fast sack loss recovery; 'disable': Disable fast sack loss recovery; 'auto-select': Auto select fast sack loss recovery (disable);

Type: string

Supported Values: enable, disable, auto-select

Default: auto-select

timewait

Description Timewait Threshold (sec), default 5 (number)

Type: number

Range: 1-60

Default: 5

transmit-buffer

Description TCP Transmit Buffer (default 200k) (number default 200000 bytes)

Type: number

Range: 1-2147483647

Default: 200000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-proxy-list_proxy-header

Specification	Value
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

ftp-list

Specification	Value
Type	*list*
Block object keys	

active-mode-port

Description Non-Standard FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-mode-port-val

Description Non-Standard FTP Active mode port

Type: number

Range: 1-65534

Mutual Exclusion: active-mode-port-val and any are mutually exclusive

any

Description Allow any FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and active-mode-port-val are mutually exclusive

name

Description FTP template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

to

Description End range of FTP Active mode port

Type: number

Range: 1-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

imap-pop3-list

Specification	Value
Type	*list*
Block object keys	

logindisabled

Description Disable Login before STARTTLS.Works only for imap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description IMAP-POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

starttls

Description 'disabled': Disable STARTTLS; 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before imap transaction;

Type: string

Supported Values: disabled, optional, enforced

Default: disabled

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssl-list

Specification	Value
Type	*list*
Block object keys	

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

ca-certs

Type: List

certificate

Description: certificate is a **JSON Block**. Please see below for *server-ssl-list_certificate*

Type: Object

Reference Object: */axapi/v3/slb/template/server-ssl/{name}/certificate*

cipher-template

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: cipher-template, cipher-wo-prio, and shared-partition-cipher-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/cipher*

cipher-without-prio-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ocsp-stapling

Description Enable ocsp-stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-certificate-error

Type: List

server-name

Description Specify Server Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

session-cache-size

Description Session Cache Size (Maximum cache size. Default value 0 (Session ID reuse disabled))

Type: number

Range: 0-128

Default: 0

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds. Default no timeout.)

Type: number

Range: 1-7200

session-key-logging-enable

Description Enable SSL session key logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-enable

Description Enable server side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template, cipher-wo-prio, and cipher-template are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cipher*

use-client-sni

Description use client SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 30-34

Default: 33

server-ssl-list_crl-certs

Specification	Value
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-partition-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ssl-list_certificate

Specification	Value
Type	*object*

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key

Description Client private-key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description Client Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-ssl-list_ec-list

Specification	Value
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1, secp521r1, x25519

server-ssl-list_server-certificate-error

Specification	Value
Type	*list*
Block object keys	

error-type

Description 'email': Notify the error via email; 'ignore': Ignore the error, which mean the connection can continue; 'logging': Log the error; 'trap': Notify the error by SNMP trap;

Type: string

Supported Values: email, ignore, logging, trap

server-ssl-list_ca-certs

Specification	Value
Type	*list*
Block object keys	

ca-cert

Description Specify CA certificate

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-cert-partition-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/service-group*

server-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/server/ocsp*

server-ssl-list_cipher-without-prio-list

Specification	Value
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA (0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA

(0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio, cipher-template, and shared-partition-cipher-template are mutually exclusive

2.120.224 slb template cache

RAM caching template

cache Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*cache-list*
Collection URI	/axapi/v3/slb/template/cache
Element Name	cache
Element URI	/axapi/v3/slb/template/cache/{name}
Element Attributes	cache_attributes
Partition Visibility	shared
Schema	`cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/cache

cache attributes

```
POST /axapi/v3/slb/template/cache/
Payload:
{
    "cache": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/cache

cache attributes

Get Object

GET

/axapi/v3/slb/template/cache/{name}

cache attributes

```
GET /axapi/v3/slb/template/cache/a
Reponse:
{
    "cache": {
        "name": "a",
        "accept-reload-req": 0,
        "age": 3600,
        "default-policy-nocache": 0,
        "disable-insert-age": 0,
        "disable-insert-via": 0,
        "max-cache-size": 80,
        "min-content-size": 512,
        "max-content-size": 81920,
        "remove-cookies": 0,
        "replacement-policy": "LFU",
        "verify-host": 0,
        "uuid": "91215ea8-b63f-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/cache/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/cache

cache-list

Modify Object

POST

/axapi/v3/slb/template/cache/{name}

cache attributes

Replace Object

PUT

/axapi/v3/slb/template/cache/{name}

cache attributes

```
PUT /axapi/v3/slb/template/cache/a
Payload:
{
    "cache": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/cache

cache-list

Delete Object

DELETE

/axapi/v3/slb/template/cache/{name}

cache attributes

```
DELETE /axapi/v3/slb/template/cache/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

cache-list

cache-list is **JSON List** of *cache attributes*

cache-list : [

{ *cache attributes* },

{ *cache attributes* },

...

]

cache attributes

accept-reload-req

Description Accept reload requests via cache-control directives in HTTP headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

age

Description Specify duration in seconds cached content valid, default is 3600 seconds (seconds that the cached content is valid (default 3600 seconds))

Type: number

Range: 1-999999

Default: 3600

default-policy-nocache

Description Specify default policy to be to not cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-age

Description Disable insertion of age header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-insert-via

Description Disable insertion of via header in response served from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-uri-policy

Type: List

logging

Description Specify logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

max-cache-size

Description Specify maximum cache size in megabytes, default is 80MB (RAM cache size in megabytes (default 80MB))

Type: number

Range: 1-4096

Default: 80

max-content-size

Description Maximum size (bytes) of response that can be cached - default 81920 (80KB)

Type: number

Range: 0-268435455

Default: 81920

min-content-size

Description Minimum size (bytes) of response that can be cached - default 512

Type: number

Range: 0-268435455

Default: 512

name

Description Specify cache template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-templ-cache-tmpl*

remove-cookies

Description Remove cookies in response and cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

replacement-policy

Description 'LFU': LFU;

Type: string

Supported Values: LFU

Default: LFU

sampling-enable

Type: List

uri-policy

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-host

Description Verify request using host before sending response from RAM cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-uri-policy

Specification	Value
Type	*list*
Block object keys	

local-uri

Description Specify Local URI for caching (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Cache hits; 'miss': Cache misses; 'bytes_served': Bytes served from cache; 'total_req': Total requests received; 'caching_req': Total requests to cache; 'nc_req_header': slbTemplateCacheNcReqHeader, help nc_req_header; 'nc_res_header': slbTemplateCacheNcResHeader, help nc_res_header; 'rv_success': some help string; 'rv_failure': slbTemplateCacheRvFailure, help rv_failure; 'ims_request': some help string; 'nm_response': some help string; 'rsp_type_CL': some help string; 'rsp_type_CE': some help string; 'rsp_type_304': some help string; 'rsp_type_other': some help string; 'rsp_no_compress': some help string; 'rsp_gzip': some help string; 'rsp_deflate': some help string; 'rsp_other': some help string; 'nocache_match': some help string; 'match': some help string; 'invalidate_match': some help string; 'content_toobig': slbTemplateCacheContentToobig, help content_toobig; 'content_toosmall': slbTemplateCacheContentToosmall, help content_toosmall; 'entry_create_failures': slbTemplateCacheEntryCreateFailures, help entry_create_failures; 'mem_size': some help string; 'entry_num': some help string; 'replaced_entry': some help string; 'aging_entry': some help string; 'cleaned_entry': some help string; 'rsp_type_stream': some help string; 'header_save_error': some help string; 'rsp_br': rsp_br;

Type: string

Supported Values: all, hits, miss, bytes_served, total_req, caching_req, nc_req_header, nc_res_header, rv_success, rv_failure, ims_request, nm_response, rsp_type_CL, rsp_type_CE, rsp_type_304, rsp_type_other, rsp_no_compress, rsp_gzip, rsp_deflate, rsp_other, nocache_match, match, invalidate_match, content_toobig, content_toosmall, entry_create_failures, mem_size, entry_num, replaced_entry, aging_entry, cleaned_entry, rsp_type_stream, header_save_error, rsp_br

uri-policy

Specification	Value
Type	*list*
Block object keys	

cache-action

Description 'cache': Specify if certain URIs should be cached; 'nocache': Specify if certain URIs should not be cached;

Type: string

Supported Values: cache, nocache

cache-value

Description Specify seconds that content should be cached, default is age specified in cache template

Type: number

Range: 1-999999

invalidate

Description Specify if URI should invalidate cache entries matching pattern (pattern that would match entries to be invalidated (64 chars max))

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uri

Description Specify URI for cache policy (Specify URI pattern that the policy should be applied to, maximum 63 charaters)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.120.225 slb template cache stats

Statistics for the object cache

cache Specification

Parameter	Value
Type	*Collection*
Collection Name	*cache-list*
Collection URI	/axapi/v3/slb/template/cache/{name}
Element Name	cache
Element URI	/axapi/v3/slb/template/cache/{name}/stats
Element Attributes	cache_attributes
Partition Visibility	None
Schema	`cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/cache/{name}

cache attributes

Create List

POST

/axapi/v3/slb/template/cache/{name}

cache attributes

Get Object

GET

/axapi/v3/slb/template/cache/{name}/stats

cache attributes

Get List

GET

/axapi/v3/slb/template/cache/{name}

cache-list

Modify Object

POST

/axapi/v3/slb/template/cache/{name}/stats

cache attributes

Replace Object

PUT

/axapi/v3/slb/template/cache/{name}/stats

cache attributes

Replace List

PUT

/axapi/v3/slb/template/cache/{name}

cache-list

Delete Object

DELETE

/axapi/v3/slb/template/cache/{name}/stats

cache attributes

cache-list

cache-list is **JSON List** of *cache attributes*

cache-list : [

{ *cache attributes* },

{ *cache attributes* },

…

]

cache attributes

name

Description Specify cache template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

aging_entry

Description some help string

Type: number

Format: counter

bytes_served

Description Bytes served from cache

Type: number

Format: counter

caching_req

Description Total requests to cache

Type: number

Format: counter

cleaned_entry

Description some help string

Type: number

Format: counter

content_toobig

Description slbTemplateCacheContentToobig, help content_toobig

Type: number

Format: counter

content_toosmall

Description slbTemplateCacheContentToosmall, help content_toosmall

Type: number

Format: counter

entry_create_failures

Description slbTemplateCacheEntryCreateFailures, help entry_create_failures

Type: number

Format: counter

entry_num

Description some help string

Type: number

Format: counter

header_save_error

Description some help string

Type: number

Format: counter

hits

Description Cache hits

Type: number

Format: counter

ims_request

Description some help string

Type: number

Format: counter

invalidate_match

Description some help string

Type: number

Format: counter

match

Description some help string

Type: number

Format: counter

mem_size

Description some help string

Type: number

Format: counter

miss

Description Cache misses

Type: number

Format: counter

nc_req_header

Description slbTemplateCacheNcReqHeader, help nc_req_header

Type: number

Format: counter

nc_res_header

Description slbTemplateCacheNcResHeader, help nc_res_header

Type: number

Format: counter

nm_response

Description some help string

Type: number

Format: counter

nocache_match

Description some help string

Type: number

Format: counter

replaced_entry

Description some help string

Type: number

Format: counter

rsp_br

Description

Type: number

Format: counter

rsp_deflate

Description some help string

Type: number

Format: counter

rsp_gzip

Description some help string

Type: number

Format: counter

rsp_no_compress

Description some help string

Type: number

Format: counter

rsp_other

Description some help string

Type: number

Format: counter

rsp_type_304

Description some help string

Type: number

Format: counter

rsp_type_CE

Description some help string

Type: number

Format: counter

rsp_type_CL

Description some help string

Type: number

Format: counter

rsp_type_other

Description some help string

Type: number

Format: counter

rsp_type_stream

Description some help string

Type: number

Format: counter

rv_failure

Description slbTemplateCacheRvFailure, help rv_failure

Type: number

Format: counter

rv_success

Description some help string

Type: number

Format: counter

total_req

Description Total requests received

Type: number

Format: counter

2.120.226 slb template cipher

SSL Cipher Template

cipher Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*cipher-list*
Collection URI	/axapi/v3/slb/template/cipher
Element Name	cipher
Element URI	/axapi/v3/slb/template/cipher/{name}
Element Attributes	cipher_attributes
Partition Visibility	shared
Schema	`cipher schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/cipher

cipher attributes

Create List

POST

/axapi/v3/slb/template/cipher

cipher attributes

Get Object

GET

/axapi/v3/slb/template/cipher/{name}

cipher attributes

Get List

GET

/axapi/v3/slb/template/cipher

cipher-list

Modify Object

POST

/axapi/v3/slb/template/cipher/{name}

cipher attributes

Replace Object

PUT

/axapi/v3/slb/template/cipher/{name}

cipher attributes

Replace List

PUT

/axapi/v3/slb/template/cipher

cipher-list

Delete Object

DELETE

/axapi/v3/slb/template/cipher/{name}

cipher attributes

cipher-list

cipher-list is **JSON List** of *cipher attributes*

cipher-list : [

{ *cipher attributes* },

{ *cipher attributes* },

...

]

cipher attributes

cipher-cfg

Type: List

cipher13-cfg

Type: List

name

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cipher13-cfg

Specification	Value
Type	*list*
Block object keys	

cipher13-suite

Description 'TLS_AES_256_GCM_SHA384': TLS_AES_256_GCM_SHA384 (0x1302); 'TLS_CHACHA20_POLY1305_SHA256': TLS_CHACHA20_POLY1305_SHA256 (0x1303); 'TLS_AES_128_GCM_SHA256': TLS_AES_128_GCM_SHA256 (0x1301);

Type: string

Supported Values: TLS_AES_256_GCM_SHA384, TLS_CHACHA20_POLY1305_SHA256, TLS_AES_128_GCM_SHA256

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

cipher-cfg

Specification	Value
Type	*list*
Block object keys	

cipher-suite

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA

(0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA); 'TLS1_ECDHE_SM2_WITH_SMS4_SM3': TLS_ECDHE_SM2_WITH_SMS4_SM3 (0xE102); 'TLS1_ECDHE_SM2_WITH_SMS4_SHA256': TLS_ECDHE_SM2_WITH_SMS4_SHA256 (0xE105); 'TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3': TLS_ECDHE_SM2_WITH_SMS4_GCM_SM3 (0xE107);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA, TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_SM3, TLS1_ECDHE_SM2_WITH_SMS4_SHA256, TLS1_ECDHE_SM2_WITH_SMS4_GCM_SM3

priority

Description Cipher priority (Cipher priority (default 1))

Type: number

Range: 1-100

Default: 1

2.120.227 slb template client-ssh

Client Side SSH Template

client-ssh Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*client-ssh-list*
Collection URI	/axapi/v3/slb/template/client-ssh
Element Name	client-ssh
Element URI	/axapi/v3/slb/template/client-ssh/{name}
Element Attributes	client-ssh_attributes
Partition Visibility	shared
Schema	`client-ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssh

client-ssh attributes

```
POST /axapi/v3/slb/template/client-ssh/
Payload:
{
    "client-ssh": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/client-ssh

client-ssh attributes

Get Object

GET

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

```
GET /axapi/v3/slb/template/client-ssh/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "client-ssh": {
        "name": "a",
        "forward-proxy-enable": 0,
        "uuid": "457df230-b640-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/client-ssh/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/client-ssh

client-ssh-list

Modify Object

POST

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

```
PUT /axapi/v3/slb/template/client-ssh/a
Payload:
{
    "client-ssh": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/client-ssh

client-ssh-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

```
DELETE /axapi/v3/slb/template/client-ssh/a
```

(continues on next page)

(continued from previous page)

```
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

client-ssh-list

client-ssh-list is **JSON List** of *client-ssh attributes*

client-ssh-list : [

{ *client-ssh attributes* },

{ *client-ssh attributes* },

...

]

client-ssh attributes

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hostkey

Description Specify private-key (Key Name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

name

Description Client SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.228 slb template client-ssh stats

Statistics for the object client-ssh

client-ssh Specification

Parameter	Value
Type	*Collection*
Collection Name	*client-ssh-list*
Collection URI	/axapi/v3/slb/template/client-ssh/{name}
Element Name	client-ssh
Element URI	/axapi/v3/slb/template/client-ssh/{name}/stats
Element Attributes	client-ssh_attributes
Partition Visibility	None
Schema	`client-ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

Create List

POST

/axapi/v3/slb/template/client-ssh/{name}

client-ssh attributes

Get Object

GET

/axapi/v3/slb/template/client-ssh/{name}/stats

client-ssh attributes

Get List

GET

/axapi/v3/slb/template/client-ssh/{name}

client-ssh-list

Modify Object

POST

/axapi/v3/slb/template/client-ssh/{name}/stats

client-ssh attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssh/{name}/stats

client-ssh attributes

Replace List

PUT

/axapi/v3/slb/template/client-ssh/{name}

client-ssh-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssh/{name}/stats

client-ssh attributes

client-ssh-list

client-ssh-list is **JSON List** of *client-ssh attributes*

```
client-ssh-list : [
        { client-ssh attributes },
        { client-ssh attributes },
        ...
    ]
```

client-ssh attributes

name

Description Client SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

failed_handshakes

Description some help string

Type: number

Format: counter

forwarding_errors

Description some help string

Type: number

Format: counter

successful_handshakes

Description some help string

Type: number

Format: counter

2.120.229 slb template client-ssl

Client SSL Template

client-ssl Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*client-ssl-list*
Collection URI	/axapi/v3/slb/template/client-ssl
Element Name	client-ssl
Element URI	/axapi/v3/slb/template/client-ssl/{name}
Element Attributes	client-ssl_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/template/client-ssl/{name}/oper
Schema	`client-ssl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssl

client-ssl attributes

```
POST /axapi/v3/slb/template/client-ssl/a/certificate/
Payload:
{
    "certificate": {
        "cert": "a",
        "key": "a",
        "passphrase": "a",
        "chain-cert": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/client-ssl

client-ssl attributes

Get Object

GET

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Get List

GET

/axapi/v3/slb/template/client-ssl

client-ssl-list

Modify Object

POST

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Replace List

PUT

/axapi/v3/slb/template/client-ssl

client-ssl-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

client-ssl-list

client-ssl-list is **JSON List** of *client-ssl attributes*

client-ssl-list : [

{ *client-ssl attributes* },

{ *client-ssl attributes* },

...

]

client-ssl attributes

ad-group-list

Description Forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

auth-sg

Description Specify authorization LDAP service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: auth-sg and authen-name are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/service-group*

auth-sg-dn

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-sg-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

auth-username

Description Specify the Username Field in the Client Certificate(If multi-fields are specificed, prior one has higher priority)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-username-attribute

Description Specify attribute name of username for client SSL authorization

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

authen-name

Description Specify authorization LDAP server name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: authen-name and auth-sg are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/server/ldap*

authorization

Description Specify LDAP server for client SSL authorizaiton

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-cert-issuer-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-class-list-name and bypass-cert-issuer-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-issuer-multi-class-list

Type: List

bypass-cert-san-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-class-list-name and bypass-cert-san-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-san-multi-class-list

Type: List

bypass-cert-subject-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-class-list-name and bypass-cert-subject-multi-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

bypass-cert-subject-multi-class-list

Type: List

ca-certs

Type: List

cache-persistence-list-name

Description Class List Name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

case-insensitive

Description Case insensitive forward proxy bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

central-cert-pin-list

Description Forward proxy bypass if SNI string is contained in central updated cert-pinning-candidate list

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cert-revoke-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

cert-unknown-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: bypass

certificate-issuer-contains-list

Type: List

certificate-issuer-ends-with-list

Type: List

certificate-issuer-equals-list

Type: List

certificate-issuer-starts-with-list

Type: List

certificate-list

Type: List

Reference Object: */axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}*

certificate-san-contains-list

Type: List

certificate-san-ends-with-list

Type: List

certificate-san-equals-list

Type: List

certificate-san-starts-with-list

Type: List

certificate-subject-contains-list

Type: List

certificate-subject-ends-with-list

Type: List

certificate-subject-equals-list

Type: List

certificate-subject-starts-with-list

Type: List

chain-cert

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert and chain-cert-shared-str are mutually exclusive

chain-cert-shared-str

Description Chain Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: chain-cert-shared-str and chain-cert are mutually exclusive

cipher-without-prio-list

Type: List

class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: class-list-name and multi-clist-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

client-auth-case-insensitive

Description Case insensitive forward proxy client auth bypass

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-auth-class-list

Description Forward proxy client auth bypass if SNI string matches class-list (Class List Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-contains-list

Type: List

client-auth-ends-with-list

Type: List

client-auth-equals-list

Type: List

client-auth-starts-with-list

Type: List

client-certificate

Description 'Ignore': Don't request client certificate; 'Require': Require client certificate; 'Request': Request client certificate;

Type: string

Supported Values: Ignore, Require, Request

Default: Ignore

client-ipv4-list

Type: List

client-ipv6-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

contains-list

Type: List

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

direct-client-server-auth

Description Let backend server does SSL client authentication directly

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sslv3

Description Reject Client requests for SSL version 3

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ends-with-list

Type: List

equals-list

Type: List

exception-ad-group-list

Description Exceptions to forward proxy bypass if ad-group matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-issuer-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-san-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-certificate-subject-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-client-ipv4-list

Type: List

exception-client-ipv6-list

Type: List

exception-server-ipv4-list

Type: List

exception-server-ipv6-list

Type: List

exception-sni-cl-name

Description Exceptions to forward-proxy-bypass

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-user-name-list

Description Exceptions to forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-web-category

Description: exception-web-category is a **JSON Block**. Please see below for *exception-web-category*

Type: Object

exception-web-reputation

Description: exception-web-reputation is a **JSON Block**. Please see below for *exception-web-reputation*

Type: Object

expire-hours

Description Certificate lifetime in hours

Type: number

Range: 1-168

forward-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: forward-encrypted and fp-ca-certificate are mutually exclusive

forward-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-passphrase and fp-ca-certificate are mutually exclusive

forward-proxy-alt-sign

Description Forward proxy alternate signing cert and key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-block-message

Description Message to be included on the block page (Message, enclose in quotes if spaces are present)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

forward-proxy-ca-cert

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-cert,fp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert, and fp-ca-certificate-shared are mutually exclusive

forward-proxy-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-proxy-ca-key,fp-ca-certificate, fp-ca-key, fp-ca-key-pass-phrase, fp-ca-key-passphrase, fp-ca-key-encrypted, fp-ca-chain-cert, and fp-ca-certificate-shared are mutually exclusive

forward-proxy-cert-cache-limit

Description Certificate cache size limit, default is 524288 (set to 0 for unlimited size)

Type: number

Range: 0-2147483647

Default: 524288

forward-proxy-cert-cache-timeout

Description Certificate cache timeout, default is 1 hour (seconds, set to 0 for never timeout)

Type: number

Range: 0-2147483647

Default: 3600

forward-proxy-cert-expiry

Description Adjust certificate expiry relative to the time when it is created on the device

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-cert-not-ready-action

Description 'bypass': bypass the connection; 'reset': reset the connection; 'intercept': wait for cert and then inspect the connection;

Type: string

Supported Values: bypass, reset, intercept

Default: bypass

forward-proxy-cert-revoke-action

Description Action taken if a certificate is irreversibly revoked, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-cert-unknown-action

Description Action taken if a certificate revocation status is unknown, bypass SSLi processing by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-crl-disable

Description Disable Certificate Revocation List checking for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-decrypted-dscp

Description Apply a DSCP to decrypted and bypassed traffic (DSCP to apply to decrypted traffic)

Type: number

Range: 1-63

forward-proxy-decrypted-dscp-bypass

Description DSCP to apply to bypassed traffic

Type: number

Range: 1-63

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward-proxy-enable and ssli-inbound-enable are mutually exclusive

forward-proxy-esni-action

Description Action taken if receiving encrypted server name indication extension in client hello MSG, bypass the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-failsafe-disable

Description Disable Failsafe for SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-hash-persistence-interval

Description Set the time interval to save the hash persistence certs (Interval value, in minutes)

Type: number

Range: 1-720

Default: 30

forward-proxy-log-disable

Description Disable SSL forward proxy logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-no-shared-cipher-action

Description Action taken if handshake fails due to no shared ciper, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

forward-proxy-no-sni-action

Description 'intercept': intercept in no SNI case; 'bypass': bypass in no SNI case; 'reset': reset in no SNI case;

Type: string

Supported Values: intercept, bypass, reset

Default: intercept

forward-proxy-ocsp-disable

Description Disable ocsp-stapling for forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-require-sni-cert-matched

Description 'no-match-action-inspect': Inspected if not matched; 'no-match-action-drop': Dropped if not matched;

Type: string

Supported Values: no-match-action-inspect, no-match-action-drop

forward-proxy-selfsign-redir

Description Redirect connections to pages with self signed certs to a warning page

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-ssl-version

Description TLS/SSL version, default is TLS1.2 (TLS/SSL version: 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 31-34

Default: 33

forward-proxy-trusted-ca-lists

Type: List

forward-proxy-verify-cert-fail-action

Description Action taken if certificate verification fails, close the connection by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

fp-alt-cert

Description CA Certificate for forward proxy alternate signing (Certificate name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

fp-alt-key

Description CA Private Key for forward proxy alternate signing (Key name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

fp-alt-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

fp-alt-shared

Description Alternate CA Certificate and Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-ca-certificate

Description CA Certificate for forward proxy (SSL forward proxy CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-certificate,forward-proxy-ca-cert, fp-ca-shared, forward-proxy-ca-key, forward-passphrase, forward-encrypted, and fp-ca-key-shared are mutually exclusive

fp-ca-certificate-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-certificate-shared, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-chain-cert, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key

Description CA Private Key for forward proxy (SSL forward proxy CA Key Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

Mutual Exclusion: fp-ca-key-encrypted, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-ca-key-passphrase, forward-proxy-ca-cert, and forward-proxy-ca-key are mutually exclusive

fp-ca-key-shared

Description CA Private Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-key-shared and fp-ca-certificate are mutually exclusive

fp-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fp-ca-shared and fp-ca-certificate are mutually exclusive

fp-cert-ext-aia-ca-issuers

Description CA Issuers (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ca-issuers and fp-cert-ext-aia-ocsp are mutually exclusive

fp-cert-ext-aia-ocsp

Description OCSP (Authority Information Access URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-ext-aia-ocsp and fp-cert-ext-aia-ca-issuers are mutually exclusive

fp-cert-ext-crldp

Description CRL Distribution Point (CRL Distribution Point URI)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-cert-fetch-autonat

Description 'auto': Configure auto NAT for server certificate fetching;

Type: string

Supported Values: auto

Mutual Exclusion: fp-cert-fetch-autonat and fp-cert-fetch-natpool-name are mutually exclusive

fp-cert-fetch-autonat-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-cert-fetch-natpool-name

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: fp-cert-fetch-natpool-name, shared-partition-pool, and fp-cert-fetch-autonat are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

fp-cert-fetch-natpool-name-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

fp-cert-fetch-natpool-precedence

Description Set this NAT pool as higher precedence than other source NAT like configued under template policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fp-esni-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: bypass

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hsm-type

Description 'thales-embed': Thales embed key; 'thales-hwcrhk': Thales hwcrhk Key;

Type: string

Supported Values: thales-embed, thales-hwcrhk

inspect-certificate-issuer-cl-name

Description Forward proxy Inspect if Certificate issuer matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-certificate-san-cl-name

Description Forward proxy Inspect if Certificate Subject Alternative Name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-certificate-subject-cl-name

Description Forward proxy Inspect if Certificate Subject matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

inspect-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja3-enable

Description Enable JA3 features

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ja3-insert-http-header

Description Insert the JA3 hash into this request as a HTTP header (HTTP Header Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ja3-reject-class-list

Description Drop request if the JA3 hash matches this class-list (type string-case-insensitive) (Class-List Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja3-reject-max-number-per-host

Description Drop request if numbers of JA3 of this client address exceeded

Type: number

Range: 1-256

ja3-ttl

Description seconds to keep each JA3 record

Type: number

Range: 1-86400

Default: 600

ja4-enable

Description Enable JA4 features

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ja4-insert-http-header

Description Insert the JA4 hash into this request as a HTTP header (HTTP Header Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ja4-reject-class-list

Description Drop request if the JA4 hash matches this class-list (type string-case-insensitive) (Class-List Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ja4-reject-max-number-per-host

Description Drop request if numbers of JA4 of this client address exceeded

Type: number

Range: 1-256

ja4-ttl

Description seconds to keep each JA4 record

Type: number

Range: 1-86400

Default: 600

ldap-base-dn-from-cert

Description Use Subject DN as LDAP search base DN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ldap-search-filter

Description Specify LDAP search filter

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

local-cert-pin-list

Description: local-cert-pin-list is a **JSON Block**. Please see below for *local-cert-pin-list*

Type: Object

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multi-class-list

Type: List

name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

no-anti-replay

Description Disable anti-replay protection for TLS 1.3 early data (0-RTT data)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-shared-cipher-action

Description 'bypass': bypass SSLi processing; 'drop': close the connection;

Type: string

Supported Values: bypass, drop

Default: drop

non-ssl-bypass-l4session

Description Handle the non-ssl session as L4 for performance optimization

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-ssl-bypass-service-group

Description Service Group for Bypass non-ssl traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

notafter

Description notAfter date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notafterday

Description Day

Type: number

Range: 1-31

notaftermonth

Description Month

Type: number

Range: 1-12

notafteryear

Description Year

Type: number

Range: 2005-2035

notbefore

Description notBefore date

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

notbeforeday

Description Day

Type: number

Range: 1-31

notbeforemonth

Description Month

Type: number

Range: 1-12

notbeforeyear

Description Year

Type: number

Range: 2005-2035

ocsp-stapling

Description Config OCSP stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-ca-cert

Description CA certificate

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

ocspst-ocsp

Description Specify OCSP Authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ocspst-sg

Description Specify authentication service group

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-sg and ocspst-srvr are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/service-group*

ocspst-sg-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-sg-days, ocspst-sg-hours, and ocspst-sg-minutes are mutually exclusive

ocspst-sg-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-sg-hours, ocspst-sg-days, and ocspst-sg-minutes are mutually exclusive

ocspst-sg-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-sg-minutes, ocspst-sg-days, and ocspst-sg-hours are mutually exclusive

ocspst-sg-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

ocspst-srvr

Description Specify OCSP authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: ocspst-srvr and ocspst-sg are mutually exclusive

Reference Object: */axapi/v3/aam/authentication/server/ocsp*

ocspst-srvr-days

Description Specify update period, in days

Type: number

Range: 1-31

Mutual Exclusion: ocspst-srvr-days, ocspst-srvr-hours, and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-hours

Description Specify update period, in hours

Type: number

Range: 1-23

Default: 1

Mutual Exclusion: ocspst-srvr-hours, ocspst-srvr-days, and ocspst-srvr-minutes are mutually exclusive

ocspst-srvr-minutes

Description Specify update period, in minutes

Type: number

Range: 1-59

Mutual Exclusion: ocspst-srvr-minutes, ocspst-srvr-days, and ocspst-srvr-hours are mutually exclusive

ocspst-srvr-timeout

Description Specify retry timeout (Default is 30 mins)

Type: number

Range: 1-44640

Default: 30

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-ca-lists

Type: List

require-sni-cert-matched

Description SNI is required to match configured certificate subject or SAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

require-web-category

Description Wait for web category to be resolved before taking bypass decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

server-ipv4-list

Type: List

server-ipv6-list

Type: List

server-name-auto-map

Description Enable automatic mapping of server name indication in Client hello extension

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-list

Type: List

session-cache-size

Description Session Cache Size (Maximum cache size. Default value 0 (Session ID reuse disabled))

Type: number

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds. Default value 0 (Session cache timeout disabled))

Type: number

Range: 0-604800

Default: 0

session-key-logging-enable

Description Enable SSL session key logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-disable

Description Disable client side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-lifetime

Description Session ticket lifetime in seconds from stateless session resumption (Lifetime value in seconds. Default value 0 (Session ticket lifetime is 7200 seconds))

Type: number

Range: 0-2147483647

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template, template-cipher, and cipher-wo-prio are mutually exclusive

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and fp-cert-fetch-natpool-name are mutually exclusive

sni-bypass-enable-log

Description Enable logging when bypass event happens, disabled by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-expired-cert

Description Bypass when certificate expired

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-bypass-explicit-list

Description Bypass when matched explicit bypass list (Specify class list name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

sni-bypass-missing-cert

Description Bypass when missing cert/key

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-enable-log

Description Enable logging of sni-auto-map failures. Disable by default

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-false-start-disable

Description disable SSL False Start

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssli-inbound-enable

Description Enable inbound SSLi

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ssli-inbound-enable and forward-proxy-enable are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

sslv2-bypass-service-group

Description Service Group for Bypass SSLV2 (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

starts-with-list

Type: List

template-cipher

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cipher, shared-partition-cipher-template, and cipher-wo-prio are mutually exclusive

Reference Object: */axapi/v3/slb/template/cipher*

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cipher*

template-hsm

Description HSM Template (HSM Template Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/hsm/template*

user-name-list

Description Forward proxy bypass if user-name matches class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

verify-cert-fail-action

Description 'bypass': bypass SSLi processing; 'continue': continue the connection; 'drop': close the connection; 'block': block the connection with a warning page;

Type: string

Supported Values: bypass, continue, drop, block

Default: drop

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 1-34

web-category

Description: web-category is a **JSON Block**. Please see below for *web-category*

Type: Object

web-reputation

Description: web-reputation is a **JSON Block**. Please see below for *web-reputation*

Type: Object

bypass-cert-subject-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-subject-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-subject-multi-class-list-name and bypass-cert-subject-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

certificate-san-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-contains

Description Forward proxy bypass if Certificate SAN contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

equals-list

Specification	Value
Type	*list*
Block object keys	

equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-ipv6-list

Specification	Value
Type	*list*
Block object keys	

client-ipv6-list-name

Description IPV6 client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

forward-proxy-trusted-ca-lists

Specification	Value
Type	*list*
Block object keys	

forward-proxy-trusted-ca

Description Forward proxy trusted CA file (CA file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

fp-trusted-ca-shared

Description Trusted CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Specification	Value
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1, secp521r1, x25519

contains-list

Specification	Value
Type	*list*
Block object keys	

contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ends-with-list

Specification	Value
Type	*list*
Block object keys	

ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ca-certs

Specification	Value
Type	*list*
Block object keys	

ca-cert

Description CA Certificate (CA Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp

Description Specify ocsp authentication server(s) for client certificate verification

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/service-group*

client-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/server/ocsp/instance*

client-auth-contains-list

Specification	Value
Type	*list*
Block object keys	

client-auth-contains

Description Forward proxy bypass if SNI string contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-subject-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-contains

Description Forward proxy bypass if Certificate Subject contains another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

req-ca-lists

Specification	Value
Type	*list*
Block object keys	

client-cert-req-ca-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-certificate-Request-CA

Description Send CA lists in certificate request (CA Certificate Name)

Type: string

Maximum Length: 245 characters

Maximum Length: 1 characters

certificate-subject-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-starts

Description Forward proxy bypass if Certificate Subject starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

web-reputation

Specification	Value
Type	*object*

bypass-low-risk

Description Bypass when reputation score is greater than or equal to 61

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-low-risk,bypass-trustworthy, bypass-moderate-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-malicious

Description Bypass when reputation score is greater than or equal to 1

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-malicious,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious, and bypass-threshold are mutually exclusive

bypass-moderate-risk

Description Bypass when reputation score is greater than or equal to 41

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-moderate-risk,bypass-trustworthy, bypass-low-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-suspicious

Description Bypass when reputation score is greater than or equal to 21

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-suspicious,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-threshold

Description Bypass when reputation score is greater than or equal to the customized score (1-100)

Type: number

Range: 1-100

Mutual Exclusion: bypass-threshold,bypass-trustworthy, bypass-low-risk, bypass-moderate-risk, bypass-suspicious, and bypass-malicious are mutually exclusive

bypass-trustworthy

Description Bypass when reputation score is greater than or equal to 81

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-trustworthy,bypass-low-risk, bypass-moderate-risk, bypass-suspicious, bypass-malicious, and bypass-threshold are mutually exclusive

bypass-cert-issuer-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-issuer-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-issuer-multi-class-list-name and bypass-cert-issuer-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

client-auth-equals-list

Specification	Value
Type	*list*
Block object keys	

client-auth-equals

Description Forward proxy bypass if SNI string equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-issuer-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-equals

Description Forward proxy bypass if Certificate issuer equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-san-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-ends-with

Description Forward proxy bypass if Certificate SAN ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

crl-certs

Specification	Value
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'real-estate': real estate category; 'computer-and-internet-security': computer and internet security category; 'financial-services': financial services category; 'business-and-economy': business and economy category; 'computer-and-internet-info': computer and internet info category; 'auctions': auctions category; 'shopping': shopping category; 'cult-and-occult': cult and occult category; 'travel': travel category; 'drugs': drugs category; 'adult-and-pornography': adult and pornography category; 'home-and-garden': home and garden category; 'military': military category; 'social-network': social network category; 'dead-sites': dead sites category; 'stock-advice-and-tools': stock advice and tools category; 'training-and-tools': training and tools category; 'dating': dating category; 'sex-education': sex education category; 'religion': religion category; 'entertainment-and-arts': entertainment and arts category; 'personal-sites-and-blogs': personal sites and blogs category; 'legal': legal category; 'local-information': local information category; 'streaming-media': streaming media category; 'job-search': job search category; 'gambling': gambling category; 'translation': translation category; 'reference-and-research': reference and research category; 'shareware-and-freeware': shareware and freeware category; 'peer-to-peer': peer to peer category; 'marijuana': marijuana category; 'hacking': hacking category; 'games': games category; 'philosophy-and-politics': philosophy and politics category; 'weapons': weapons category; 'pay-to-surf': pay to surf category; 'hunting-and-fishing': hunting and fishing category; 'society': society category; 'educational-institutions': educational institutions category; 'online-greeting-cards': online greeting cards category; 'sports': sports category; 'swimsuits-and-intimate-apparel': swimsuits and intimate apparel category; 'questionable': questionable category; 'kids': kids category; 'hate-and-racism': hate and racism category; 'personal-storage': personal storage category; 'violence': violence category; 'keyloggers-and-monitoring': keyloggers and monitoring category; 'search-engines': search engines category; 'internet-portals': internet portals category; 'web-advertisements': web advertisements category; 'cheating': cheating category; 'gross': gross category; 'web-based-email': web based email category; 'malware-sites': malware sites category; 'phishing-and-other-fraud': phishing and other fraud category; 'proxy-avoid-and-anonymizers': proxy avoid and anonymizers category; 'spyware-and-adware': spyware and adware category; 'music': music category; 'government': government category; 'nudity': nudity category; 'news-and-media': news and media category; 'illegal': illegal category; 'CDNs': content delivery networks category; 'internet-communications': internet communications category; 'bot-nets': bot nets category; 'abortion': abortion category; 'health-and-medicine': health and medicine category; 'confirmed-SPAM-sources': confirmed SPAM sources category; 'SPAM-URLs': SPAM URLs category; 'unconfirmed-SPAM-sources': unconfirmed SPAM sources category; 'open-HTTP-proxies': open HTTP proxies category; 'dynamically-generated-content': dynamically generated content category; 'parked-domains': parked domains category; 'alcohol-and-tobacco': alcohol and tobacco category; 'private-IP-addresses': private IP addresses category; 'image-and-video-search': image and video search category; 'fashion-and-beauty': fashion and beauty category; 'recreation-and-hobbies': recreation and hobbies category; 'motor-vehicles': motor vehicles category; 'web-hosting-sites': web hosting sites category; 'food-and-dining': food and dining category; 'dummy-item': dummy item category; 'self-harm': self harm category; 'dns-over-https': dns over https category; 'low-thc-cannabis-products': low-thc cannabis products; 'generative-ai': generative ai category; 'nudity-artistic': artistic nudity; 'illegal-pornography': illegal pornography eg. child sexual abuse; 'uncategorised': uncategorised; 'other-category': other category; 'trustworthy': Trustworthy level(81-100); 'low-risk': Low-risk level(61-80); 'moderate-risk': Moderate-risk level(41-60); 'suspicious': Suspicious level(21-40); 'malicious': Malicious level(1-20);

Type: string

Supported Values: all, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search,

gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, CDNs, internet-communications, bot-nets, abortion, health-and-medicine, confirmed-SPAM-sources, SPAM-URLs, unconfirmed-SPAM-sources, open-HTTP-proxies, dynamically-generated-content, parked-domains, alcohol-and-tobacco, private-IP-addresses, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, food-and-dining, dummy-item, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-artistic, illegal-pornography, uncategorised, other-category, trustworthy, low-risk, moderate-risk, suspicious, malicious

certificate-list

Specification	Value
Type	*list*
Block object keys	

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key

Description Server Private Key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description Server Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-ipv4-list

Specification	Value
Type	*list*
Block object keys	

client-ipv4-list-name

Description IPV4 client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

multi-class-list

Specification	Value
Type	*list*
Block object keys	

multi-clist-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: multi-clist-name and class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

certificate-issuer-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-ends-with

Description Forward proxy bypass if Certificate issuer ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

exception-server-ipv4-list

Specification	Value
Type	*list*
Block object keys	

exception-server-ipv4-list-name

Description IPV4 exception server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

web-category

Specification	Value
Type	*object*

bypassed-category

Description 'uncategorized': Uncategorized URLs; 'real-estate': Category Real Estate; 'computer-and-internet-security': Category Computer and Internet Security; 'financial-services': Category Financial Services; 'business-and-economy': Category Business and Economy; 'computer-and-internet-info': Category Computer and Internet Info; 'auctions': Category Auctions; 'shopping': Category Shopping; 'cult-and-occult': Category Cult and Occult; 'travel': Category Travel; 'drugs': Category Abused Drugs; 'adult-and-pornography': Category Adult and Pornography; 'home-and-garden': Category Home and Garden; 'military': Category Military; 'social-network': Category Social Network; 'dead-sites': Category Dead Sites (db Ops only); 'stock-advice-and-tools': Category Stock Advice and Tools; 'training-and-tools': Category Training and Tools; 'dating': Category Dating; 'sex-education': Category Sex Education; 'religion': Category Religion; 'entertainment-and-arts': Category Entertainment and Arts; 'personal-sites-and-blogs': Category Personal sites and Blogs; 'legal': Category Legal; 'local-information': Category Local Information; 'streaming-media': Category Streaming Media; 'job-search': Category Job Search; 'gambling': Category Gambling; 'translation': Category Translation; 'reference-and-research': Category Reference and Research; 'shareware-and-freeware': Category Shareware and Freeware; 'peer-to-peer': Category Peer to Peer; 'marijuana': Category Marijuana; 'hacking': Category Hacking; 'games': Category Games; 'philosophy-and-politics': Category Philosophy and Political Advocacy; 'weapons': Category Weapons; 'pay-to-surf': Category Pay to Surf; 'hunting-and-fishing': Category Hunting and Fishing; 'society': Category Society; 'educational-institutions': Category Educational Institutions; 'online-greeting-cards': Category Online Greeting cards; 'sports': Category Sports; 'swimsuits-and-intimate-apparel': Category Swimsuits and Intimate Apparel; 'questionable': Category Questionable; 'kids': Category Kids; 'hate-and-racism': Category Hate and Racism; 'personal-storage': Category Personal Storage; 'violence': Category Violence; 'keyloggers-and-monitoring': Category Keyloggers and Monitoring; 'search-engines': Category Search Engines; 'internet-portals': Category Internet Portals; 'web-advertisements': Category Web Advertisements; 'cheating': Category Cheating; 'gross': Category Gross; 'web-based-email': Category Web based email; 'malware-sites': Category Malware Sites; 'phishing-and-other-fraud': Category Phishing and Other Frauds; 'proxy-avoid-and-anonymizers': Category Proxy Avoid and Anonymizers; 'spyware-and-adware': Category Spyware and Adware; 'music': Category Music; 'government': Category Government; 'nudity': Category Nudity; 'news-and-media': Category News and Media; 'illegal': Category Illegal; 'cdns': Category CDNs; 'internet-communications': Category Internet Communications; 'bot-nets': Category Bot Nets; 'abortion': Category Abortion; 'health-and-medicine': Category Health and Medicine; 'spam-urls': Category SPAM URLs; 'dynamically-generated-content': Category Dynamically Generated Content; 'parked-domains': Category Parked Domains; 'alcohol-and-tobacco': Category Alcohol and Tobacco; 'image-and-video-search': Category Image and Video Search; 'fashion-and-beauty': Category Fashion and Beauty; 'recreation-and-hobbies': Category Recreation and Hobbies; 'motor-vehicles': Category Motor Vehicles; 'web-hosting-sites': Category Web Hosting Sites; 'self-harm': Category Self Harm; 'dns-over-https': Category DNS over HTTPs; 'low-thc-cannabis-products': Category Low-THC Cannabis Products; 'generative-ai': Category Generative AI; 'nudity-artistic': Category Artistic Nudity; 'illegal-pornography': Category Illegal Pornography eg. Child Sexual Abuse;

Type: string

Supported Values: uncategorized, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, cdns, internet-communications, botnets, abortion, health-and-medicine, spam-urls, dynamically-generated-content, parked-domains, alcohol-and-tobacco, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-artistic, illegal-pornography

certificate-san-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-equals

Description Forward proxy bypass if Certificate SAN equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

exception-client-ipv4-list

Specification	Value
Type	*list*
Block object keys	

exception-client-ipv4-list-name

Description IPV4 exception client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

certificate-issuer-contains-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-contains

Description Forward proxy bypass if Certificate issuer contains another string (Certificate issuer)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-auth-starts-with-list

Specification	Value
Type	*list*
Block object keys	

client-auth-starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-subject-ends-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-ends-with

Description Forward proxy bypass if Certificate Subject ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

bypass-cert-san-multi-class-list

Specification	Value
Type	*list*
Block object keys	

bypass-cert-san-multi-class-list-name

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: bypass-cert-san-multi-class-list-name and bypass-cert-san-class-list-name are mutually exclusive

Reference Object: */axapi/v3/class-list*

server-name-list

Specification	Value
Type	*list*
Block object keys	

server-cert

Description Server Certificate associated to SNI (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-cert-regex

Description Server Certificate associated to SNI regex (Server Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-chain

Description Server Certificate Chain associated to SNI (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-chain-regex

Description Server Certificate Chain associated to SNI regex (Server Certificate Chain Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

server-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-encrypted-regex

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

server-key

Description Server Private Key associated to SNI (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-key-regex

Description Server Private Key associated to SNI regex (Server Private Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

server-name

Description Server name indication in Client hello extension (Server name String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-name-regex

Description Server name indication in Client hello extension with regular expression (Server name String with regex)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-name-regex-alternate

Description Specific the second certifcate

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-passphrase

Description help Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

server-passphrase-regex

Description help Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

server-shared

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-shared-regex

Description Server Name Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-template

Description Template associated to SNI regex

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-regex-template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-regex-template-client-ssl-shared-name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-template

Description Template associated to SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sni-template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

sni-template-client-ssl-shared-name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

exception-web-category

Specification	Value
Type	*object*

exception-category

Description 'uncategorized': Uncategorized URLs; 'real-estate': Category Real Estate; 'computer-and-internet-security': Category Computer and Internet Security; 'financial-services': Category Financial Services; 'business-and-economy': Category Business and Economy; 'computer-and-internet-info': Category Computer and Internet Info; 'auctions': Category Auctions; 'shopping': Category Shopping; 'cult-and-occult': Category Cult and Occult; 'travel': Category Travel; 'drugs': Category Abused Drugs; 'adult-and-pornography': Category Adult and Pornography; 'home-and-garden': Category Home and Garden; 'military': Category Military; 'social-network': Category Social Network; 'dead-sites': Category Dead Sites (db Ops only); 'stock-advice-and-tools': Category Stock Advice and Tools; 'training-and-tools': Category Training and Tools; 'dating': Category Dating; 'sex-education': Category Sex Education; 'religion': Category Religion; 'entertainment-and-arts': Category Entertainment and Arts; 'personal-sites-and-blogs': Category Personal sites and Blogs; 'legal': Category Legal; 'local-information': Category Local Information; 'streaming-media': Category Streaming Media; 'job-search': Category Job Search; 'gambling': Category Gambling; 'translation': Category Translation; 'reference-and-research': Category Reference and Research; 'shareware-and-freeware': Category Shareware and Freeware; 'peer-to-peer': Category Peer to Peer; 'marijuana': Category Marijuana; 'hacking': Category Hacking; 'games': Category Games; 'philosophy-and-politics': Category Philosophy and Political Advocacy; 'weapons': Category Weapons; 'pay-to-surf': Category Pay to Surf; 'hunting-and-fishing': Category Hunting and Fishing; 'society': Category Society; 'educational-institutions': Category Educational Institutions; 'online-greeting-cards': Category Online Greeting cards; 'sports': Category Sports; 'swimsuits-and-intimate-apparel': Category Swimsuits and Intimate Apparel; 'questionable': Category Questionable; 'kids': Category Kids; 'hate-and-racism': Category Hate and Racism; 'personal-storage': Category Personal Storage; 'violence': Category Violence; 'keyloggers-and-monitoring': Category Keyloggers and Monitoring; 'search-engines': Category Search Engines; 'internet-portals': Category Internet Portals; 'web-advertisements': Category Web Advertisements; 'cheating': Category Cheating; 'gross': Category Gross; 'web-based-email': Category Web based email; 'malware-sites': Category Malware Sites; 'phishing-and-other-fraud': Category Phishing and Other Frauds; 'proxy-avoid-and-anonymizers': Category Proxy Avoid and Anonymizers; 'spyware-and-adware': Category Spyware and Adware; 'music': Category Music; 'government': Category Government; 'nudity': Category

Nudity; 'news-and-media': Category News and Media; 'illegal': Category Illegal; 'cdns': Category CDNs; 'internet-communications': Category Internet Communications; 'bot-nets': Category Bot Nets; 'abortion': Category Abortion; 'health-and-medicine': Category Health and Medicine; 'spam-urls': Category SPAM URLs; 'dynamically-generated-content': Category Dynamically Generated Content; 'parked-domains': Category Parked Domains; 'alcohol-and-tobacco': Category Alcohol and Tobacco; 'image-and-video-search': Category Image and Video Search; 'fashion-and-beauty': Category Fashion and Beauty; 'recreation-and-hobbies': Category Recreation and Hobbies; 'motor-vehicles': Category Motor Vehicles; 'web-hosting-sites': Category Web Hosting Sites; 'self-harm': Category Self Harm; 'dns-over-https': Category DNS over HTTPs; 'low-thc-cannabis-products': Category Low-THC Cannabis Products; 'generative-ai': Category Generative AI; 'nudity-artistic': Category Artistic Nudity; 'illegal-pornography': Category Illegal Pornography eg. Child Sexual Abuse;

Type: string

Supported Values: uncategorized, real-estate, computer-and-internet-security, financial-services, business-and-economy, computer-and-internet-info, auctions, shopping, cult-and-occult, travel, drugs, adult-and-pornography, home-and-garden, military, social-network, dead-sites, stock-advice-and-tools, training-and-tools, dating, sex-education, religion, entertainment-and-arts, personal-sites-and-blogs, legal, local-information, streaming-media, job-search, gambling, translation, reference-and-research, shareware-and-freeware, peer-to-peer, marijuana, hacking, games, philosophy-and-politics, weapons, pay-to-surf, hunting-and-fishing, society, educational-institutions, online-greeting-cards, sports, swimsuits-and-intimate-apparel, questionable, kids, hate-and-racism, personal-storage, violence, keyloggers-and-monitoring, search-engines, internet-portals, web-advertisements, cheating, gross, web-based-email, malware-sites, phishing-and-other-fraud, proxy-avoid-and-anonymizers, spyware-and-adware, music, government, nudity, news-and-media, illegal, cdns, internet-communications, bot-nets, abortion, health-and-medicine, spam-urls, dynamically-generated-content, parked-domains, alcohol-and-tobacco, image-and-video-search, fashion-and-beauty, recreation-and-hobbies, motor-vehicles, web-hosting-sites, self-harm, dns-over-https, low-thc-cannabis-products, generative-ai, nudity-artistic, illegal-pornography

exception-server-ipv6-list

Specification	Value
Type	*list*
Block object keys	

exception-server-ipv6-list-name

Description IPV6 exception server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

certificate-issuer-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-issuer-starts

Description Forward proxy bypass if Certificate issuer starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

certificate-san-starts-with-list

Specification	Value
Type	*list*
Block object keys	

certificate-san-starts

Description Forward proxy bypass if Certificate SAN starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-ipv4-list

Specification	Value
Type	*list*
Block object keys	

server-ipv4-list-name

Description IPV4 server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

client-auth-ends-with-list

Specification	Value
Type	*list*
Block object keys	

client-auth-ends-with

Description Forward proxy bypass if SNI string ends with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

exception-client-ipv6-list

Specification	Value
Type	*list*
Block object keys	

exception-client-ipv6-list-name

Description IPV6 exception client class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

exception-web-reputation

Specification	Value
Type	*object*

exception-low-risk

Description Intercept when reputation score is less than or equal to 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-low-risk,exception-trustworthy, exception-moderate-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

exception-malicious

Description Intercept when reputation score is less than or equal to 20

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-malicious,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious, and exception-threshold are mutually exclusive

exception-moderate-risk

Description Intercept when reputation score is less than or equal to 60

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-moderate-risk,exception-trustworthy, exception-low-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

exception-suspicious

Description Intercept when reputation score is less than or equal to 40

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-suspicious,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-malicious, and exception-threshold are mutually exclusive

exception-threshold

Description Intercept when reputation score is less than or equal to a customized value (1-100)

Type: number

Range: 1-100

Mutual Exclusion: exception-threshold,exception-trustworthy, exception-low-risk, exception-moderate-risk, exception-suspicious, and exception-malicious are mutually exclusive

exception-trustworthy

Description Intercept when reputation score is less than or equal to 100

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: exception-trustworthy,exception-low-risk, exception-moderate-risk, exception-suspicious, exception-malicious, and exception-threshold are mutually exclusive

local-cert-pin-list

Specification	Value
Type	*object*

local-cert-pin-list-bypass-fail-count

Description Set the connection fail count as bypass criteria (Bypass when connection failure count is greater than the criteria (1-65536))

Type: number

Range: 1-65536

server-ipv6-list

Specification	Value
Type	*list*
Block object keys	

server-ipv6-list-name

Description IPV6 server class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

certificate-subject-equals-list

Specification	Value
Type	*list*
Block object keys	

certificate-subject-equals

Description Forward proxy bypass if Certificate Subject equals another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cipher-without-prio-list

Specification	Value
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA (0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA,

TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio, template-cipher, and shared-partition-cipher-template are mutually exclusive

starts-with-list

Specification	Value
Type	*list*
Block object keys	

starts-with

Description Forward proxy bypass if SNI string starts with another string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.120.230 slb template client-ssl certificate

Server Certificate

certificate Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*cert*
Collection Name	*certificate-list*
Collection URI	/axapi/v3/slb/template/client-ssl/{name}/certificate
Element Name	certificate
Element URI	/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}
Element Attributes	certificate_attributes
Partition Visibility	shared
Schema	`certificate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssl/{name}/certificate

certificate attributes

Create List

POST

/axapi/v3/slb/template/client-ssl/{name}/certificate

certificate attributes

Get Object

GET

/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}

certificate attributes

Get List

GET

/axapi/v3/slb/template/client-ssl/{name}/certificate

certificate-list

Modify Object

POST

/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}

certificate attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}

certificate attributes

Replace List

PUT

/axapi/v3/slb/template/client-ssl/{name}/certificate

certificate-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssl/{name}/certificate/{cert}

certificate attributes

certificate-list

certificate-list is **JSON List** of *certificate attributes*

certificate-list : [

{ *certificate attributes* },

{ *certificate attributes* },

...

]

certificate attributes

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

chain-cert

Description Chain Certificate (Chain Certificate Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key

Description Server Private Key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

key-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description Server Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.231 slb template client-ssl oper

Operational Status for the object client-ssl

client-ssl Specification

Parameter	Value
Type	*Collection*
Collection Name	*client-ssl-list*
Collection URI	/axapi/v3/slb/template/client-ssl/{name}
Element Name	client-ssl
Element URI	/axapi/v3/slb/template/client-ssl/{name}/oper
Element Attributes	client-ssl_attributes
Partition Visibility	None
Schema	`client-ssl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Create List

POST

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Get Object

GET

/axapi/v3/slb/template/client-ssl/{name}/oper

client-ssl attributes

Get List

GET

/axapi/v3/slb/template/client-ssl/{name}

client-ssl-list

Modify Object

POST

/axapi/v3/slb/template/client-ssl/{name}/oper

client-ssl attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssl/{name}/oper

client-ssl attributes

Replace List

PUT

/axapi/v3/slb/template/client-ssl/{name}

client-ssl-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssl/{name}/oper

client-ssl attributes

client-ssl-list

client-ssl-list is **JSON List** of *client-ssl attributes*

client-ssl-list : [

{ *client-ssl attributes* },

{ *client-ssl attributes* },

...

]

client-ssl attributes

name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cert-status-list

Type: List

oper_cert-status-list

Specification	Value
Type	*list*
Block object keys	

cert-status-age

Description

Type: number

cert-status-name

Description

Type: string

cert-status-next-update

Description

Type: string

cert-status-responder

Description

Type: string

cert-status-status

Description

Type: string

2.120.232 slb template client-ssl stats

Statistics for the object client-ssl

client-ssl Specification

Parameter	Value
Type	*Collection*
Collection Name	*client-ssl-list*
Collection URI	/axapi/v3/slb/template/client-ssl/{name}
Element Name	client-ssl
Element URI	/axapi/v3/slb/template/client-ssl/{name}/stats
Element Attributes	client-ssl_attributes
Partition Visibility	None
Schema	`client-ssl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Create List

POST

/axapi/v3/slb/template/client-ssl/{name}

client-ssl attributes

Get Object

GET

/axapi/v3/slb/template/client-ssl/{name}/stats

client-ssl attributes

Get List

GET

/axapi/v3/slb/template/client-ssl/{name}

client-ssl-list

Modify Object

POST

/axapi/v3/slb/template/client-ssl/{name}/stats

client-ssl attributes

Replace Object

PUT

/axapi/v3/slb/template/client-ssl/{name}/stats

client-ssl attributes

Replace List

PUT

/axapi/v3/slb/template/client-ssl/{name}

client-ssl-list

Delete Object

DELETE

/axapi/v3/slb/template/client-ssl/{name}/stats

client-ssl attributes

client-ssl-list

client-ssl-list is **JSON List** of *client-ssl attributes*

client-ssl-list : [

{ *client-ssl attributes* },

{ *client-ssl attributes* },

...

]

client-ssl attributes

name

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

CDNs

Description content delivery networks category

Type: number

Format: counter

SPAM-URLs

Description SPAM URLs category

Type: number

Format: counter

abortion

Description abortion category

Type: number

Format: counter

adult-and-pornography

Description adult and pornography category

Type: number

Format: counter

alcohol-and-tobacco

Description alcohol and tobacco category

Type: number

Format: counter

auctions

Description auctions category

Type: number

Format: counter

bot-nets

Description bot nets category

Type: number

Format: counter

business-and-economy

Description business and economy category

Type: number

Format: counter

cheating

Description cheating category

Type: number

Format: counter

computer-and-internet-info

Description computer and internet info category

Type: number

Format: counter

computer-and-internet-security

Description computer and internet security category

Type: number

Format: counter

confirmed-SPAM-sources

Description confirmed SPAM sources category

Type: number

Format: counter

cult-and-occult

Description cult and occult category

Type: number

Format: counter

dating

Description dating category

Type: number

Format: counter

dead-sites

Description dead sites category

Type: number

Format: counter

dns-over-https

Description dns over https category

Type: number

Format: counter

drugs

Description drugs category

Type: number

Format: counter

dynamically-generated-content

Description dynamically generated content category

Type: number

Format: counter

educational-institutions

Description educational institutions category

Type: number

Format: counter

entertainment-and-arts

Description entertainment and arts category

Type: number

Format: counter

fashion-and-beauty

Description fashion and beauty category

Type: number

Format: counter

financial-services

Description financial services category

Type: number

Format: counter

food-and-dining

Description food and dining category

Type: number

Format: counter

gambling

Description gambling category

Type: number

Format: counter

games

Description games category

Type: number

Format: counter

generative-ai

Description generative ai category

Type: number

Format: counter

government

Description government category

Type: number

Format: counter

gross

Description gross category

Type: number

Format: counter

hacking

Description hacking category

Type: number

Format: counter

hate-and-racism

Description hate and racism category

Type: number

Format: counter

health-and-medicine

Description health and medicine category

Type: number

Format: counter

home-and-garden

Description home and garden category

Type: number

Format: counter

hunting-and-fishing

Description hunting and fishing category

Type: number

Format: counter

illegal

Description illegal category

Type: number

Format: counter

illegal-pornography

Description illegal join Adult and Pornography

Type: number

Format: counter

image-and-video-search

Description image and video search category

Type: number

Format: counter

internet-communications

Description internet communications category

Type: number

Format: counter

internet-portals

Description internet portals category

Type: number

Format: counter

job-search

Description job search category

Type: number

Format: counter

keyloggers-and-monitoring

Description keyloggers and monitoring category

Type: number

Format: counter

kids

Description kids category

Type: number

Format: counter

legal

Description legal category

Type: number

Format: counter

local-information

Description local information category

Type: number

Format: counter

low-risk

Description Low-risk level(61-80)

Type: number

Format: counter

low-thc-cannabis-products

Description low-thc cannabis products

Type: number

Format: counter

malicious

Description Malicious level(1-20)

Type: number

Format: counter

malware-sites

Description malware sites category

Type: number

Format: counter

marijuana

Description marijuana category

Type: number

Format: counter

military

Description military category

Type: number

Format: counter

moderate-risk

Description Moderate-risk level(41-60)

Type: number

Format: counter

motor-vehicles

Description motor vehicles category

Type: number

Format: counter

music

Description music category

Type: number

Format: counter

news-and-media

Description news and media category

Type: number

Format: counter

nudity

Description nudity category

Type: number

Format: counter

nudity-artistic

Description nudity join Entertainment and Arts

Type: number

Format: counter

online-greeting-cards

Description online greeting cards category

Type: number

Format: counter

open-HTTP-proxies

Description open HTTP proxies category

Type: number

Format: counter

other-category

Description other category

Type: number

Format: counter

parked-domains

Description parked domains category

Type: number

Format: counter

pay-to-surf

Description pay to surf category

Type: number

Format: counter

peer-to-peer

Description peer to peer category

Type: number

Format: counter

personal-sites-and-blogs

Description personal sites and blogs category

Type: number

Format: counter

personal-storage

Description personal storage category

Type: number

Format: counter

philosophy-and-politics

Description philosophy and politics category

Type: number

Format: counter

phishing-and-other-fraud

Description phishing and other fraud category

Type: number

Format: counter

private-IP-addresses

Description private IP addresses category

Type: number

Format: counter

proxy-avoid-and-anonymizers

Description proxy avoid and anonymizers category

Type: number

Format: counter

questionable

Description questionable category

Type: number

Format: counter

real-estate

Description real estate category

Type: number

Format: counter

recreation-and-hobbies

Description recreation and hobbies category

Type: number

Format: counter

reference-and-research

Description reference and research category

Type: number

Format: counter

religion

Description religion category

Type: number

Format: counter

search-engines

Description search engines category

Type: number

Format: counter

self-harm

Description self harm category

Type: number

Format: counter

sex-education

Description sex education category

Type: number

Format: counter

shareware-and-freeware

Description shareware and freeware category

Type: number

Format: counter

shopping

Description shopping category

Type: number

Format: counter

social-network

Description social network category

Type: number

Format: counter

society

Description society category

Type: number

Format: counter

sports

Description sports category

Type: number

Format: counter

spyware-and-adware

Description spyware and adware category

Type: number

Format: counter

stock-advice-and-tools

Description stock advice and tools category

Type: number

Format: counter

streaming-media

Description streaming media category

Type: number

Format: counter

suspicious

Description Suspicious level(21-40)

Type: number

Format: counter

swimsuits-and-intimate-apparel

Description swimsuits and intimate apparel category

Type: number

Format: counter

training-and-tools

Description training and tools category

Type: number

Format: counter

translation

Description translation category

Type: number

Format: counter

travel

Description travel category

Type: number

Format: counter

trustworthy

Description Trustworthy level(81-100)

Type: number

Format: counter

uncategorised

Description uncategorised

Type: number

Format: counter

unconfirmed-SPAM-sources

Description unconfirmed SPAM sources category

Type: number

Format: counter

violence

Description violence category

Type: number

Format: counter

weapons

Description weapons category

Type: number

Format: counter

web-advertisements

Description web advertisements category

Type: number

Format: counter

web-based-email

Description web based email category

Type: number

Format: counter

web-hosting-sites

Description web hosting sites category

Type: number

Format: counter

2.120.233 slb template connection-reuse

Connection Reuse

connection-reuse Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*connection-reuse-list*
Collection URI	/axapi/v3/slb/template/connection-reuse
Element Name	connection-reuse
Element URI	/axapi/v3/slb/template/connection-reuse/{name}
Element Attributes	connection-reuse_attributes
Partition Visibility	shared
Schema	`connection-reuse schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/connection-reuse

connection-reuse attributes

```
POST /axapi/v3/slb/template/connection-reuse/
Payload:
{
    "connection-reuse": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/connection-reuse

connection-reuse attributes

Get Object

GET

/axapi/v3/slb/template/connection-reuse/{name}

connection-reuse attributes

```
GET /axapi/v3/slb/template/connection-reuse/a
Reponse:
{
    "connection-reuse": {
        "name": "a",
        "limit-per-server": 1000,
        "timeout": 2400,
        "keep-alive-conn": 0,
        "uuid": "7f724f7c-b645-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/connection-reuse/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/connection-reuse

connection-reuse-list

Modify Object

POST

/axapi/v3/slb/template/connection-reuse/{name}

connection-reuse attributes

Replace Object

PUT

/axapi/v3/slb/template/connection-reuse/{name}

connection-reuse attributes

```
PUT /axapi/v3/slb/template/connection-reuse/a
Payload:
{
    "connection-reuse": {
        "name": "a",
        "user-tag": "abcd",
        "limit-per-server": 4
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/connection-reuse

connection-reuse-list

Delete Object

DELETE

/axapi/v3/slb/template/connection-reuse/{name}

connection-reuse attributes

```
DELETE /axapi/v3/slb/template/connection-reuse/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

connection-reuse-list

connection-reuse-list is **JSON List** of *connection-reuse attributes*

connection-reuse-list : [

{ *connection-reuse attributes* },

{ *connection-reuse attributes* },

...

]

connection-reuse attributes

add-header

Description Insert HTTP Connection: keep-alive header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

keep-alive-conn

Description Keep a number of server connections open

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

limit-per-server

Description Max Server Connections allowed (Connections per Server Port (default 1000))

Type: number

Range: 0-65535

Default: 1000

name

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

num-conn-per-port

Description Connections per Server Port (default 100)

Type: number

Range: 1-1024

Default: 100

preopen

Description Preopen server connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout in seconds. Multiple of 60 (default 2400)

Type: number

Range: 60-3600

Default: 2400

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.234 slb template dblb

DBLB template

dblb Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*dblb-list*
Collection URI	/axapi/v3/slb/template/dblb
Element Name	dblb
Element URI	/axapi/v3/slb/template/dblb/{name}
Element Attributes	dblb_attributes
Partition Visibility	shared
Schema	`dblb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dblb

dblb attributes

```
POST /axapi/v3/slb/template/dblb/
Payload:
{
    "dblb": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/dblb

dblb attributes

Get Object

GET

/axapi/v3/slb/template/dblb/{name}

dblb attributes

```
GET /axapi/v3/slb/template/dblb/a
Reponse:
{
    "dblb": {
        "name": "a",
        "uuid": "c68dd5ac-b645-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/dblb/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/dblb

dblb-list

Modify Object

POST

/axapi/v3/slb/template/dblb/{name}

dblb attributes

Replace Object

PUT

/axapi/v3/slb/template/dblb/{name}

dblb attributes

```
PUT /axapi/v3/slb/template/dblb/a
Payload:
{
    "dblb": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/dblb

dblb-list

Delete Object

DELETE

/axapi/v3/slb/template/dblb/{name}

dblb attributes

```
DELETE /axapi/v3/slb/template/dblb/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dblb-list

dblb-list is **JSON List** of *dblb attributes*

dblb-list : [

{ *dblb attributes* },

{ *dblb attributes* },

...

]

dblb attributes

calc-sha1

Description: calc-sha1 is a **JSON Block**. Please see below for *calc-sha1*

Type: Object

Reference Object: */axapi/v3/slb/template/dblb/{name}/calc-sha1*

class-list

Description Specify user/password string class list (Class list name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

name

Description DBLB template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-version

Description 'MSSQL2008': MSSQL server 2008 or 2008 R2; 'MSSQL2012': MSSQL server 2012; 'MySQL': MySQL server (any version);

Type: string

Supported Values: MSSQL2008, MSSQL2012, MySQL

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

calc-sha1

Specification	Value
Type	*object*

sha1-value

Description Cleartext password

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

2.120.235 slb template diameter

diameter template

diameter Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*diameter-list*
Collection URI	/axapi/v3/slb/template/diameter
Element Name	diameter
Element URI	/axapi/v3/slb/template/diameter/{name}
Element Attributes	diameter_attributes
Partition Visibility	shared
Schema	`diameter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/diameter

diameter attributes

```
POST /axapi/v3/slb/template/diameter/
Payload:
{
    "diameter": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/diameter

diameter attributes

Get Object

GET

/axapi/v3/slb/template/diameter/{name}

diameter attributes

```
GET /axapi/v3/slb/template/diameter/a
Reponse:
{
    "diameter": {
        "name": "a",
        "customize-cea": 0,
        "dwr-time": 100,
        "idle-timeout": 5,
        "multiple-origin-host": 0,
        "vendor-id": 0,
        "session-age": 10,
        "dwr-up-retry": 3,
        "terminate-on-cca-t": 0,
        "forward-unknown-session-id": 0,
        "forward-to-latest-server": 0,
        "load-balance-on-session-id": 0,
        "relaxed-origin-host": 0,
        "uuid": "327b767a-b646-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/diameter/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/diameter

diameter-list

Modify Object

POST

/axapi/v3/slb/template/diameter/{name}

diameter attributes

Replace Object

PUT

/axapi/v3/slb/template/diameter/{name}

diameter attributes

```
PUT /axapi/v3/slb/template/diameter/a
Payload:
{
    "diameter": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/diameter

diameter-list

Delete Object

DELETE

/axapi/v3/slb/template/diameter/{name}

diameter attributes

```
DELETE /axapi/v3/slb/template/diameter/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

diameter-list

diameter-list is **JSON List** of *diameter attributes*

diameter-list : [

{ *diameter attributes* },

{ *diameter attributes* },

...

]

diameter attributes

avp-code

Description avp code

Type: number

Range: 1-2147483647

avp-list

Type: List

avp-string

Description pattern to be matched in the avp string name, max length 127 bytes

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

customize-cea

Description customizing cea response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dwr-time

Description dwr health-check timer interval (in 100 milli second unit, default is 100, 0 means unset this option)

Type: number

Range: 0-2147483647

Default: 100

dwr-up-retry

Description number of successful dwr health-check before declaring target up

Type: number

Range: 1-7

Default: 3

forward-to-latest-server

Description Forward client message to the latest server that sends message with the same session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-unknown-session-id

Description Forward server message even it has unknown session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description user sesison idle timeout (in minutes, default is 5)

Type: number

Range: 1-65535

Default: 5

load-balance-on-session-id

Description Load balance based on the session id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-code-list

Type: List

multiple-origin-host

Description allowing multiple origin-host to a single server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description diameter template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

origin-host

Description: origin-host is a **JSON Block**. Please see below for *origin-host*

Type: Object

Reference Object: */axapi/v3/slb/template/diameter/{name}/origin-host*

origin-realm

Description origin-realm name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

product-name

Description product name avp

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

relaxed-origin-host

Description Relaxed Origin-Host Format

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-name

Description service group name, this is the service group that the message needs to be copied to

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

session-age

Description user session age allowed (default 10), this is not idle-time (in minutes)

Type: number

Range: 1-65535

Default: 10

terminate-on-cca-t

Description remove diameter session when receiving CCA-T message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vendor-id

Description vendor-id avp (Vendor Id)

Type: number

Range: 0-2147483647

Default: 0

message-code-list

Specification	Value
Type	*list*
Block object keys	

message-code

Description

Type: number

Range: 1-2147483647

avp-list

Specification	Value
Type	*list*
Block object keys	

avp

Description customize avps for cer to the server (avp number)

Type: number

Range: 0-2147483647

int32

Description 32 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int32, int64, and string are mutually exclusive

int64

Description 64 bits integer

Type: number

Range: 0-2147483647

Mutual Exclusion: int64, int32, and string are mutually exclusive

mandatory

Description mandatory avp

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

string

Description String (string name, max length 127 bytes)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: string, int32, and int64 are mutually exclusive

origin-host

Specification	Value
Type	*object*

origin-host-name

Description origin-host name avp

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.236 slb template diameter origin-host

origin host name avp

origin-host Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	origin-host
Element URI	/axapi/v3/slb/template/diameter/{name}/origin-host
Element Attributes	origin-host_attributes
Partition Visibility	shared
Schema	`origin-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

```
POST /axapi/v3/slb/template/diameter/a/origin-host
Payload:
{
    "origin-host": {
        "origin-host-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

```
GET /axapi/v3/slb/template/diameter/a/origin-host
Reponse:
{
    "origin-host": {
        "origin-host-name": "a",
        "uuid": "e9506432-b646-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/diameter/a/origin-host"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

Replace Object

PUT

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

```
PUT /axapi/v3/slb/template/diameter/a/origin-host
Payload:
{
    "origin-host": {
        "origin-host-name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/diameter/{name}/origin-host

origin-host attributes

```
DELETE /axapi/v3/slb/template/diameter/a/origin-host
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

origin-host attributes

origin-host-name

Description origin-host name avp

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.237 slb template dns

DNS template

dns Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*dns-list*
Collection URI	/axapi/v3/slb/template/dns
Element Name	dns
Element URI	/axapi/v3/slb/template/dns/{name}
Element Attributes	dns_attributes
Partition Visibility	shared
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns

dns attributes

```
POST /axapi/v3/slb/template/dns/
Payload:
{
    "dns": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/dns

dns attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}

dns attributes

```
GET /axapi/v3/slb/template/dns/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "dns": {
        "name": "a",
        "category-lookup-online-lookup": 0,
        "default-policy": "nocache",
        "remove-aa-flag": 0,
        "disable-dns-template": 0,
        "drop": 0,
        "max-cache-entry-size": 1024,
        "enable-cache-sharing": 0,
        "disable-ra-cached-resp": 0,
        "remove-padding-to-server": 0,
        "remove-csubnet": 0,
        "redirect-to-tcp-port": 0,
        "query-id-switch": 0,
        "disable-rpz-attach-soa": 0,
        "cache-ttl-adjustment-enable": 0,
        "tld-filter-log-enable": 0,
        "cache-hitcount-enable": 0,
        "uuid": "0ef5d01e-b647-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/dns/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/dns

dns-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}

dns attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}

dns attributes

```
PUT /axapi/v3/slb/template/dns/a
Payload:
{
    "dns": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/dns

dns-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}

dns attributes

```
DELETE /axapi/v3/slb/template/dns/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns-list

dns-list is **JSON List** of *dns attributes*

dns-list : [

{ *dns attributes* },

{ *dns attributes* },

...

]

dns attributes

add-padding-to-client

Description 'block-length': Block-Length Padding; 'random-block-length': Random-Block-Length Padding;

Type: string

Supported Values: block-length, random-block-length

cache-hitcount-enable

Description Enable DNS cache entry hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cache-record-serving-policy

Description 'global': Follow global cofiguration (Default); 'no-change': No change in record order; 'round-robin': Round-robin;

Type: string

Supported Values: global, no-change, round-robin

cache-ttl-adjustment-enable

Description enable the ttl adjustment for dns cache response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

category-lookup-bypass

Description DNS type class-lists for bypassing category lookup

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

category-lookup-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/category-lookup/{category-name}*

category-lookup-online-lookup

Description Enable online webroot lookup

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/class-list*

default-policy

Description 'nocache': Cache disable; 'cache': Cache enable;

Type: string

Supported Values: nocache, cache

Default: nocache

disable-dns-template

Description Disable DNS template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-ra-cached-resp

Description Disable DNS recursive available flag in cached response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-rpz-attach-soa

Description Disable attaching SOA due to RPZ

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-cookie-cache-policy

Description 'served-by-cache': Answer from cache for requests with cookie; 'served-by-backend': Answer from server for requests with cookie;

Type: string

Supported Values: served-by-cache, served-by-backend

dns-logging

Description dns logging template (DNS Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns-logging*

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/dns64*

dnssec-service-group

Description Use different service group if DNSSEC DO bit set (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

drop

Description Drop the malformed query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop and forward are mutually exclusive

enable-cache-sharing

Description Enable DNS cache sharing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward

Description Forward to service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: forward and drop are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

insert-ipv4

Description prefix-length to insert for IPv4

Type: number

Range: 0-32

insert-ipv6

Description prefix-length to insert for IPv6

Type: number

Range: 0-128

label-count-filter

Description: label-count-filter is a **JSON Block**. Please see below for *label-count-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/label-count-filter*

label-length-filter

Description: label-length-filter is a **JSON Block**. Please see below for *label-length-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/label-length-filter*

local-dns-resolution

Description: local-dns-resolution is a **JSON Block**. Please see below for *local-dns-resolution*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/local-dns-resolution*

max-cache-entry-size

Description Define maximum cache entry size (Maximum cache entry size per VIP (default 1024))

Type: number

Range: 1-4096

Default: 1024

max-cache-size

Description Define maximum cache size (Maximum cache entry per VIP)

Type: number

max-query-length

Description Define Maximum DNS Query Length, default is unlimited (Specify Maximum Length)

Type: number

Range: 1-4095

name

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

negative-dns-cache

Description: negative-dns-cache is a **JSON Block**. Please see below for *negative-dns-cache*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/negative-dns-cache*

period

Description Period in minutes

Type: number

Range: 1-10000

qps-log-high

Description high threshold for QPS logging (queries per second)

Type: number

Range: 1-64000000

qps-log-low

Description low threshold for QPS logging (queries per second)

Type: number

Range: 1-63999999

qps-threshold-log

Description enable threshold log for DNS QPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-class-filter

Description: query-class-filter is a **JSON Block**. Please see below for *query-class-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/query-class-filter*

query-id-switch

Description Use DNS query ID to create sesion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

query-type-filter

Description: query-type-filter is a **JSON Block**. Please see below for *query-type-filter*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/query-type-filter*

recursive-dns-resolution

Description: recursive-dns-resolution is a **JSON Block**. Please see below for *recursive-dns-resolution*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution*

redirect-to-tcp-port

Description Direct the client to retry with TCP for DNS UDP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-aa-flag

Description Make answers created from cache non-authoritative

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-csubnet

Description Remove EDNS(0) client subnet from client queries

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

remove-padding-to-server

Description Remove EDNS(0) padding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-rate-limiting

Description: response-rate-limiting is a **JSON Block**. Please see below for *response-rate-limiting*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting*

rpz-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}*

tld-filter-log-enable

Description Enable dns tld filter logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tld-filter-white-list

Description white-list class-list name (string-insensitive type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

udp-retransmit

Description: udp-retransmit is a **JSON Block**. Please see below for *udp-retransmit*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/udp-retransmit*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

response-rate-limiting

Specification	Value
Type	*object*

TC-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: TC-rate and slip-rate are mutually exclusive

action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-response-rate

Description Maximum allowed request rate for the filter. This should match average traffic. (default 10 per seconds)

Type: number

Range: 1-1000

Default: 10

match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

rrl-class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}*

slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: slip-rate and TC-rate are mutually exclusive

src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

response-rate-limiting_rrl-class-list-list

Specification	Value
Type	*list*
Block object keys	

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

response-rate-limiting_rrl-class-list-list_lid-list

Specification	Value
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

lid-match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

lid-nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-16000000

Default: 5

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 0-16000000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: lid-slip-rate and lid-tc-rate are mutually exclusive

lid-src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-tc-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: lid-tc-rate and lid-slip-rate are mutually exclusive

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

recursive-dns-resolution

Specification	Value
Type	*object*

csubnet-retry

Description retry when server REFUSED AX inserted EDNS(0) subnet, works only when insert-client-subnet is configured

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-recursive

Description Default recursive mode, forward query to bound service-group if hostnames matched

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnssec-validation

Description 'enabled': Enable DNSSEC validation; 'disabled': Disable DNSSEC validation;

Type: string

Supported Values: enabled, disabled

Default: disabled

fast-ns-selection

Description 'enabled': Enable fast NS selection; 'disabled': Disable fast NS selection;

Type: string

Supported Values: enabled, disabled

Default: enabled

force-cname-resolution

Description 'enabled': Force CNAME resolution always; 'disabled': Use answer record in CNAME response if it exists, else resolve;

Type: string

Supported Values: enabled, disabled

Default: enabled

full-response

Description Serve all records (authority and additional) when applicable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-health-check

Description: gateway-health-check is a **JSON Block**. Please see below for *recursive-dns-resolution_gateway-health-check*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check*

host-list-cfg

Type: List

ipv4-nat-pool

Description IPv4 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv6-nat-pool

Description IPv6 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

lookup-order

Description: lookup-order is a **JSON Block**. Please see below for *recursive-dns-resolution_lookup-order*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 255

Type: number

Range: 1-255

Default: 255

ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: enabled

ns-longest-match

Description 'disabled': Look up NS of top level label, do a nearly-full resolution; 'enabled': Enable NS cache longest match;

Type: string

Supported Values: disabled, enabled

Default: enabled

parallel-queries

Description Number of parallel queries to send to servers

Type: number

Range: 1-15

Default: 1

request-for-pending-resolution

Description 'drop': Drop of the request during ongoing; 'respond-with-servfail': Respond with SERVFAIL of the request during ongoing; 'start-new-resolution': Start new resolution of the request during ongoing;

Type: string

Supported Values: drop, respond-with-servfail, start-new-resolution

Default: respond-with-servfail

retries-per-level

Description Number of DNS query retries at each server level before closing client connection, default 6

Type: number

Range: 1-6

Default: 6

udp-initial-interval

Description UDP DNS Retry Interval value 1-6, default is 5 sec (1-6, default is 5sec)

Type: number

Range: 1-6

Default: 5

udp-retry-interval

Description UDP DNS Retry Interval value 1-6, default is 1 sec (1-6 , default is 1 sec)

Type: number

Range: 1-6

Default: 1

use-client-qid

Description Use client side query id for recursive query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-service-group-response

Description 'disabled': Start Recursive Resolver if Server response doesnt have final answer; 'enabled': Forward Backend Server response to client and dont start recursive resolver;

Type: string

Supported Values: disabled, enabled

Default: enabled

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

recursive-dns-resolution_gateway-health-check

Specification	Value
Type	*object*

gwhc-ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: disabled

interval

Description Specify the health check interval, default is 10 sec (Interval value, in seconds (default 10))

Type: number

Range: 1-300

Default: 10

num-query-type

Description Other record type value

Type: number

Range: 1-65535

Mutual Exclusion: num-query-type and str-query-type are mutually exclusive

query-name

Description Specify the query name used in probe queries, default "a10networks.com"

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Default: a10networks.com

retry

Description Maximum number of DNS query retries at each server level before health check fails, default 6 (Retry count (default 6))

Type: number

Range: 1-6

Default: 6

retry-multi

Description Specify number of times that health check consecutively fails before declaring gateway DOWN, default 1 (retry-multi count (default 1))

Type: number

Range: 1-10

Default: 1

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT

Default: A

Mutual Exclusion: str-query-type and num-query-type are mutually exclusive

timeout

Description Specify the health check timeout before retrying or finish, default is 5 sec (Timeout value, in seconds (default 5))

Type: number

Range: 1-6

Default: 5

up-retry

Description Specify number of times that health check consecutively passes before declaring gateway UP, default 1 (up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

recursive-dns-resolution_lookup-order

Specification	Value
Type	*object*

query-type

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

recursive-dns-resolution_lookup-order_query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other query type value

Type: number

Range: 1-65535

order

Description 'ipv4-precede-ipv6': Recursive lookup via IPv4 then IPv6; 'ipv6-precede-ipv4': Recursive lookup via IPv6 then IPv4;

Type: string

Supported Values: ipv4-precede-ipv6, ipv6-precede-ipv4

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

recursive-dns-resolution_host-list-cfg

Specification	Value
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (dns type), perform resolution while query name matched

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

label-length-filter

Specification	Value
Type	*object*

drop-log-enable

Description enable the log when hit the rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fqdn-label-length

Type: List

label-length-filter-action

Description 'drop': drop; 'ignore': ignore;

Type: string

Supported Values: drop, ignore

Default: drop

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

label-length-filter_fqdn-label-length

Specification	Value
Type	*list*
Block object keys	

length

Description fqdn label length

Type: number

Range: 1-63

suffix

Description

Type: number

Range: 1-5

class-list

Specification	Value
Type	*object*

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *class-list_lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list_dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

dns64

Specification	Value
Type	*object*

cache

Description Use a cached A-query response to provide AAAA query responses for the same hostname

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-query

Description Always change incoming AAAA DNS Query to A

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable DNS64 (Need to config this option before config any other dns64 options)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parallel-query

Description Forward AAAA Query & generate A Query in parallel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retry

Description Retry count, default is 3 (Retry Number)

Type: number

Range: 0-15

Default: 3

single-response-disable

Description Disable Single Response which is used to avoid ambiguity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout to send additional Queries, unit: second, default is 1

Type: number

Range: 0-15

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp-retransmit

Specification	Value
Type	*object*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-class-filter

Specification	Value
Type	*object*

query-class

Type: List

query-class-action

Description 'allow': Allow only certain DNS query classes; 'deny': Deny only certain DNS query classes;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-class-filter_query-class

Specification	Value
Type	*list*
Block object keys	

num-query-class

Description Other query class value

Type: number

Range: 1-65535

str-query-class

Description 'INTERNET': INTERNET query class; 'CHAOS': CHAOS query class; 'HESIOD': HESIOD query class; 'NONE': NONE query class; 'ANY': ANY query class;

Type: string

Supported Values: INTERNET, CHAOS, HESIOD, NONE, ANY

category-lookup-list

Specification	Value
Type	*list*
Block object keys	

category-name

Description category-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

drop

Description Deny matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop,permit, respond, respond-nxdomain, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

permit

Description Permit matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit,drop, respond, respond-nxdomain, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

respond

Description Respond to matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: respond, permit, and drop are mutually exclusive

respond-cname-str

Description CNAME to respond (Canonical name)

Type: string

Maximum Length: 256 characters

Maximum Length: 1 characters

Mutual Exclusion: respond-cname-str,permit, drop, and respond-nxdomain are mutually exclusive

respond-ip-addr

Description Type A record to respond (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: respond-ip-addr,permit, drop, and respond-nxdomain are mutually exclusive

respond-ipv6-addr

Description TYPE AAAA record to respond (IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: respond-ipv6-addr,permit, drop, and respond-nxdomain are mutually exclusive

respond-nxdomain

Description Respond with NXDOMAIN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: respond-nxdomain,permit, drop, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

response-ttl

Description Set response TTL in seconds (TTL value in seconds)

Type: number

Range: 1-259200

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-dns-resolution

Specification	Value
Type	*object*

host-list-cfg

Type: List

local-resolver-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

local-dns-resolution_host-list-cfg

Specification	Value
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (dns type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

local-dns-resolution_local-resolver-cfg

Specification	Value
Type	*list*
Block object keys	

local-resolver

Description Local dns servers (address)

Type: string

Format: ipv4-address

label-count-filter

Specification	Value
Type	*object*

drop-log-enable

Description enable the log when hit the rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

label-count-filter-action

Description 'drop': drop; 'ignore': ignore;

Type: string

Supported Values: drop, ignore

Default: drop

max-fqdn-label-count

Description Maximum number of FQDN labels per FQDN

Type: number

Range: 1-31

min-fqdn-label-count

Description Minimum number of FQDN labels per FQDN

Type: number

Range: 1-7

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

negative-dns-cache

Specification	Value
Type	*object*

bypass-query-threshold

Description the threshold bypass the query, default is 100

Type: number

Range: 1-65535

Default: 100

cache-non-valid

Description Enable caching non-valid negative response, otherwise will only cache valid negative response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-negative-dns-cache

Description Enable DNS negative cache (Need to turn-on the dns-cache for this feature)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-negative-cache-ttl

Description Max negative cache ttl, default is 2 hours

Type: number

Range: 0-604800

Default: 7200

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-type-filter

Specification	Value
Type	*object*

query-type

Type: List

query-type-action

Description 'allow': Allow only certain DNS query types; 'deny': Deny only certain DNS query types;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-type-filter_query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other record type value

Type: number

Range: 1-65535

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

rpz-list

Specification	Value
Type	*list*
Block object keys	

logging

Description: logging is a **JSON Block**. Please see below for *rpz-list_logging*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging*

name

Description Specify a Response Policy Zone name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-id

Description sequential id of RPZ

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz-list_logging

Specification	Value
Type	*object*

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz-list_logging_rpz-action

Specification	Value
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

2.120.238 slb template dns category-lookup

Configure web-category list for DNS domains matching (Up to 8 lists)

category-lookup Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*category-name*
Collection Name	*category-lookup-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/category-lookup
Element Name	category-lookup
Element URI	/axapi/v3/slb/template/dns/{name}/category-lookup/{category-name}
Element Attributes	category-lookup_attributes
Partition Visibility	shared
Schema	`category-lookup schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/category-lookup

category-lookup attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/category-lookup

category-lookup attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/category-lookup/{category-name}

category-lookup attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/category-lookup

category-lookup-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/category-lookup/{category-name}

category-lookup attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/category-lookup/{category-name}

category-lookup attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/category-lookup

category-lookup-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/category-lookup/{category-name}

category-lookup attributes

category-lookup-list

category-lookup-list is **JSON List** of *category-lookup attributes*

```
category-lookup-list : [
        { category-lookup attributes },
        { category-lookup attributes },
        ...
    ]
```

category-lookup attributes

category-name

Description category-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

drop

Description Deny matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop,permit, respond, respond-nxdomain, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

permit

Description Permit matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: permit,drop, respond, respond-nxdomain, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

respond

Description Respond to matching DNS domains

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: respond, permit, and drop are mutually exclusive

respond-cname-str

Description CNAME to respond (Canonical name)

Type: string

Maximum Length: 256 characters

Maximum Length: 1 characters

Mutual Exclusion: respond-cname-str,permit, drop, and respond-nxdomain are mutually exclusive

respond-ip-addr

Description Type A record to respond (IPv4 address)

Type: string

Format: ipv4-address

Mutual Exclusion: respond-ip-addr,permit, drop, and respond-nxdomain are mutually exclusive

respond-ipv6-addr

Description TYPE AAAA record to respond (IPv6 address)

Type: string

Format: ipv6-address

Mutual Exclusion: respond-ipv6-addr,permit, drop, and respond-nxdomain are mutually exclusive

respond-nxdomain

Description Respond with NXDOMAIN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: respond-nxdomain,permit, drop, respond-ip-addr, respond-ipv6-addr, and respond-cname-str are mutually exclusive

response-ttl

Description Set response TTL in seconds (TTL value in seconds)

Type: number

Range: 1-259200

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.239 slb template dns class-list

Classification list

class-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/slb/template/dns/{name}/class-list
Element Attributes	class-list_attributes
Partition Visibility	shared
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

```
POST /axapi/v3/slb/template/dns/a/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

```
GET /axapi/v3/slb/template/dns/a/class-list
Reponse:
{
    "class-list": {
        "name": "a",
        "uuid": "905edf00-b648-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/class-list"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

```
PUT /axapi/v3/slb/template/dns/a/class-list
Payload:
{
    "class-list": {
        "name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/class-list

class-list attributes

```
DELETE /axapi/v3/slb/template/dns/a/class-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

class-list attributes

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}*

name

Description Specify a class list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *lid-list_dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

2.120.240 slb template dns class-list lid

Limit ID

lid Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/class-list/lid
Element Name	lid
Element URI	/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}
Element Attributes	lid_attributes
Partition Visibility	shared
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/class-list/lid

lid attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/class-list/lid

lid attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/class-list/lid

lid-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/class-list/lid

lid-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/class-list/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

...

]

lid attributes

action-value

Description 'dns-cache-disable': Disable DNS cache when it exceeds limit; 'dns-cache-enable': Enable DNS cache when it exceeds limit; 'forward': Forward the traffic even it exceeds limit;

Type: string

Supported Values: dns-cache-disable, dns-cache-enable, forward

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-2147483647

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-interval

Description Log interval (minute, by default system will log every over limit instance)

Type: number

Range: 1-255

over-limit-action

Description Action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

per

Description Per (Number of 100ms)

Type: number

Range: 1-65535

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns

Specification	Value
Type	*object*

cache-action

Description 'cache-disable': Disable dns cache; 'cache-enable': Enable dns cache;

Type: string

Supported Values: cache-disable, cache-enable

Default: cache-disable

honor-server-response-ttl

Description Honor the server reponse TTL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description TTL for cache entry (TTL in seconds)

Type: number

Range: 1-65535

weight

Description Weight for cache entry

Type: number

Range: 1-7

2.120.241 slb template dns dns64

Enable DNS64

dns64 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns64
Element URI	/axapi/v3/slb/template/dns/{name}/dns64
Element Attributes	dns64_attributes
Partition Visibility	shared
Schema	`dns64 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/dns64

dns64 attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/dns64

dns64 attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/dns64

dns64 attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/dns64

dns64 attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/dns64

dns64 attributes

dns64 attributes

cache

Description Use a cached A-query response to provide AAAA query responses for the same hostname

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

change-query

Description Always change incoming AAAA DNS Query to A

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable DNS64 (Need to config this option before config any other dns64 options)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parallel-query

Description Forward AAAA Query & generate A Query in parallel

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retry

Description Retry count, default is 3 (Retry Number)

Type: number

Range: 0-15

Default: 3

single-response-disable

Description Disable Single Response which is used to avoid ambiguity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Timeout to send additional Queries, unit: second, default is 1

Type: number

Range: 0-15

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.242 slb template dns label-count-filter

fqdn label count filter

label-count-filter Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	label-count-filter
Element URI	/axapi/v3/slb/template/dns/{name}/label-count-filter
Element Attributes	label-count-filter_attributes
Partition Visibility	shared
Schema	`label-count-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/label-count-filter

label-count-filter attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/label-count-filter

label-count-filter attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/label-count-filter

label-count-filter attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/label-count-filter

label-count-filter attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/label-count-filter

label-count-filter attributes

label-count-filter attributes

drop-log-enable

Description enable the log when hit the rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

label-count-filter-action

Description 'drop': drop; 'ignore': ignore;

Type: string

Supported Values: drop, ignore

Default: drop

max-fqdn-label-count

Description Maximum number of FQDN labels per FQDN

Type: number

Range: 1-31

min-fqdn-label-count

Description Minimum number of FQDN labels per FQDN

Type: number

Range: 1-7

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.243 slb template dns label-length-filter

fqdn label length filter

label-length-filter Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	label-length-filter
Element URI	/axapi/v3/slb/template/dns/{name}/label-length-filter
Element Attributes	label-length-filter_attributes
Partition Visibility	shared
Schema	`label-length-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/label-length-filter

label-length-filter attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/label-length-filter

label-length-filter attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/label-length-filter

label-length-filter attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/label-length-filter

label-length-filter attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/label-length-filter

label-length-filter attributes

label-length-filter attributes

drop-log-enable

Description enable the log when hit the rule

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fqdn-label-length

Type: List

label-length-filter-action

Description 'drop': drop; 'ignore': ignore;

Type: string

Supported Values: drop, ignore

Default: drop

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fqdn-label-length

Specification	Value
Type	*list*
Block object keys	

length

Description fqdn label length

Type: number

Range: 1-63

suffix

Description

Type: number

Range: 1-5

2.120.244 slb template dns local-dns-resolution

local DNS resolver configuration

local-dns-resolution Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	local-dns-resolution
Element URI	/axapi/v3/slb/template/dns/{name}/local-dns-resolution
Element Attributes	local-dns-resolution_attributes
Partition Visibility	shared
Schema	`local-dns-resolution schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

```
POST /axapi/v3/slb/template/dns/a/local-dns-resolution
Payload:
{
    "local-dns-resolution": {
        "host-list-cfg": [
            {
                "hostnames": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

```
GET /axapi/v3/slb/template/dns/a/local-dns-resolution
Reponse:
{
    "local-dns-resolution": {
        "local-resolver-cfg": [
            {
                "local-resolver": "3.3.3.3"
            }
        ],
        "uuid": "0547ca7a-b649-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/local-dns-resolution"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

```
PUT /axapi/v3/slb/template/dns/a/local-dns-resolution
Payload:
{
    "local-dns-resolution": {
        "local-resolver-cfg": [
```

(continues on next page)

(continued from previous page)

```
            {
                "local-resolver": "3.3.3.4"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/local-dns-resolution

local-dns-resolution attributes

```
DELETE /axapi/v3/slb/template/dns/a/local-dns-resolution
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

local-dns-resolution attributes

host-list-cfg

Type: List

local-resolver-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host-list-cfg

Specification	Value
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (dns type)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

local-resolver-cfg

Specification	Value
Type	*list*
Block object keys	

local-resolver

Description Local dns servers (address)

Type: string

Format: ipv4-address

2.120.245 slb template dns-logging

DNS Logging template

dns-logging Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*dns-logging-list*
Collection URI	/axapi/v3/slb/template/dns-logging
Element Name	dns-logging
Element URI	/axapi/v3/slb/template/dns-logging/{name}
Element Attributes	dns-logging_attributes
Partition Visibility	shared
Schema	`dns-logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns-logging

dns-logging attributes

```
POST /axapi/v3/slb/template/dns-logging/
Payload:
{
    "dns-logging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/dns-logging

dns-logging attributes

Get Object

GET

/axapi/v3/slb/template/dns-logging/{name}

dns-logging attributes

```
GET /axapi/v3/slb/template/dns-logging/a
Reponse:
{
    "dns-logging": {
        "name": "a",
        "disable": 0,
        "response-include-rcode": 0,
        "uuid": "2c51afaa-b649-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/dns-logging/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/dns-logging

dns-logging-list

Modify Object

POST

/axapi/v3/slb/template/dns-logging/{name}

dns-logging attributes

Replace Object

PUT

/axapi/v3/slb/template/dns-logging/{name}

dns-logging attributes

```
PUT /axapi/v3/slb/template/dns-logging/a
Payload:
{
    "dns-logging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/dns-logging

dns-logging-list

Delete Object

DELETE

/axapi/v3/slb/template/dns-logging/{name}

dns-logging attributes

```
DELETE /axapi/v3/slb/template/dns-logging/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns-logging-list

dns-logging-list is **JSON List** of *dns-logging attributes*

dns-logging-list : [

{ *dns-logging attributes* },

{ *dns-logging attributes* },

...

]

dns-logging attributes

custom-log-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/custom-log/{trigger-reason}*

disable

Description Disable DNS Logging template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-logging-protocol

Description 'both': Log DNS over tcp and udp; 'tcp': Log DNS over tcp; 'udp': Log DNS over udp;

Type: string

Supported Values: both, tcp, udp

dns-logging-request-section

Description 'all': Log DNS header and question section; 'header': Log DNS header information; 'question': Log DNS question section;

Type: string

Supported Values: all, header, question

dns-logging-response-section

Description 'all': Log DNS header information, answer, authority, additional section content; 'header': Log DNS header information; 'answer': Log DNS header information and answer section content;

Type: string

Supported Values: all, header, answer

dns-logging-type

Description 'query': DNS Query Logging; 'response': DNS Response Logging; 'both': DNS Query and Response Logging;

Type: string

Supported Values: query, response, both

name

Description DNS Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-include-rcode

Description Log DNS Rcode with Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type

Description: response-type is a **JSON Block**. Please see below for *response-type*

Type: Object

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/response-type*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

response-type

Specification	Value
Type	*object*

config

Description start config the response type detail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

response-type_type-list

Specification	Value
Type	*list*
Block object keys	

caa-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: caa-type-limit-num and caa-type-no-limit are mutually exclusive

caa-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: caa-type-no-limit and caa-type-limit-num are mutually exclusive

digest

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnskey-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: dnskey-type-limit-num and dnskey-type-no-limit are mutually exclusive

dnskey-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dnskey-type-no-limit and dnskey-type-limit-num are mutually exclusive

ds-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: ds-type-limit-num and ds-type-no-limit are mutually exclusive

ds-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ds-type-no-limit and ds-type-limit-num are mutually exclusive

length-limit-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

naptr-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: naptr-type-limit-num and naptr-type-no-limit are mutually exclusive

naptr-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: naptr-type-no-limit and naptr-type-limit-num are mutually exclusive

opt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: opt-type-limit-num and opt-type-no-limit are mutually exclusive

opt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: opt-type-no-limit and opt-type-limit-num are mutually exclusive

other-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

public-key

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdata-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type-name

Description 'TXT': TXT; 'RRSIG': RRSIG; 'TSIG': TSIG; 'DNSKEY': DNSKEY; 'DS': DS; 'CAA': CAA; 'NAPTR': NAPTR; 'OPT': OPT;

Type: string

Supported Values: TXT, RRSIG, TSIG, DNSKEY, DS, CAA, NAPTR, OPT

rrsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: rrsig-type-limit-num and rrsig-type-no-limit are mutually exclusive

rrsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rrsig-type-no-limit and rrsig-type-limit-num are mutually exclusive

service-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

signature

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: tsig-type-limit-num and tsig-type-no-limit are mutually exclusive

tsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tsig-type-no-limit and tsig-type-limit-num are mutually exclusive

txt-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

txt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: txt-type-limit-num and txt-type-no-limit are mutually exclusive

txt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: txt-type-no-limit and txt-type-limit-num are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

custom-log-list

Specification	Value
Type	*list*
Block object keys	

enable

Description Enable this log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

format

Description Request Message (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

trigger-reason

Description 'request': log when request comes from client; 'response': log when response to client;

Type: string

Supported Values: request, response

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.246 slb template dns-logging custom-log

setting customizing log

custom-log Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*trigger-reason*
Collection Name	*custom-log-list*
Collection URI	/axapi/v3/slb/template/dns-logging/{name}/custom-log
Element Name	custom-log
Element URI	/axapi/v3/slb/template/dns-logging/{name}/custom-log/{trigger-reason}
Element Attributes	custom-log_attributes
Partition Visibility	shared
Schema	`custom-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns-logging/{name}/custom-log

custom-log attributes

Create List

POST

/axapi/v3/slb/template/dns-logging/{name}/custom-log

custom-log attributes

Get Object

GET

/axapi/v3/slb/template/dns-logging/{name}/custom-log/{trigger-reason}

custom-log attributes

Get List

GET

/axapi/v3/slb/template/dns-logging/{name}/custom-log

custom-log-list

Modify Object

POST

/axapi/v3/slb/template/dns-logging/{name}/custom-log/{trigger-reason}

custom-log attributes

Replace Object

PUT

/axapi/v3/slb/template/dns-logging/{name}/custom-log/{trigger-reason}

custom-log attributes

Replace List

PUT

/axapi/v3/slb/template/dns-logging/{name}/custom-log

custom-log-list

Delete Object

DELETE

/axapi/v3/slb/template/dns-logging/{name}/custom-log/{trigger-reason}

custom-log attributes

custom-log-list

custom-log-list is **JSON List** of *custom-log attributes*

custom-log-list : [

{ *custom-log attributes* },

{ *custom-log attributes* },

…

]

custom-log attributes

enable

Description Enable this log

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

format

Description Request Message (Custom message string)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

trigger-reason

Description 'request': log when request comes from client; 'response': log when response to client;

Type: string

Supported Values: request, response

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.247 slb template dns-logging response-type

Response rdata field length limit type by type

response-type Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	response-type
Element URI	/axapi/v3/slb/template/dns-logging/{name}/response-type
Element Attributes	response-type_attributes
Partition Visibility	shared
Schema	`response-type schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns-logging/{name}/response-type

response-type attributes

Get Object

GET

/axapi/v3/slb/template/dns-logging/{name}/response-type

response-type attributes

Modify Object

POST

/axapi/v3/slb/template/dns-logging/{name}/response-type

response-type attributes

Replace Object

PUT

/axapi/v3/slb/template/dns-logging/{name}/response-type

response-type attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns-logging/{name}/response-type

response-type attributes

response-type attributes

config

Description start config the response type detail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

type-list

Type: List

Reference Object: */axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

type-list

Specification	Value
Type	*list*
Block object keys	

caa-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: caa-type-limit-num and caa-type-no-limit are mutually exclusive

caa-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: caa-type-no-limit and caa-type-limit-num are mutually exclusive

digest

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnskey-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: dnskey-type-limit-num and dnskey-type-no-limit are mutually exclusive

dnskey-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dnskey-type-no-limit and dnskey-type-limit-num are mutually exclusive

ds-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: ds-type-limit-num and ds-type-no-limit are mutually exclusive

ds-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ds-type-no-limit and ds-type-limit-num are mutually exclusive

length-limit-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

naptr-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: naptr-type-limit-num and naptr-type-no-limit are mutually exclusive

naptr-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: naptr-type-no-limit and naptr-type-limit-num are mutually exclusive

opt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: opt-type-limit-num and opt-type-no-limit are mutually exclusive

opt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: opt-type-no-limit and opt-type-limit-num are mutually exclusive

other-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

public-key

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdata-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type-name

Description 'TXT': TXT; 'RRSIG': RRSIG; 'TSIG': TSIG; 'DNSKEY': DNSKEY; 'DS': DS; 'CAA': CAA; 'NAPTR': NAPTR; 'OPT': OPT;

Type: string

Supported Values: TXT, RRSIG, TSIG, DNSKEY, DS, CAA, NAPTR, OPT

rrsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: rrsig-type-limit-num and rrsig-type-no-limit are mutually exclusive

rrsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rrsig-type-no-limit and rrsig-type-limit-num are mutually exclusive

service-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

signature

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: tsig-type-limit-num and tsig-type-no-limit are mutually exclusive

tsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tsig-type-no-limit and tsig-type-limit-num are mutually exclusive

txt-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

txt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: txt-type-limit-num and txt-type-no-limit are mutually exclusive

txt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: txt-type-no-limit and txt-type-limit-num are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.120.248 slb template dns-logging response-type type

response type name

type Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*response-type-name*
Collection Name	*type-list*
Collection URI	/axapi/v3/slb/template/dns-logging/{name}/response-type/type
Element Name	type
Element URI	/axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}
Element Attributes	type_attributes
Partition Visibility	shared
Schema	`type schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns-logging/{name}/response-type/type

type attributes

Create List

POST

/axapi/v3/slb/template/dns-logging/{name}/response-type/type

type attributes

Get Object

GET

/axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}

type attributes

Get List

GET

/axapi/v3/slb/template/dns-logging/{name}/response-type/type

type-list

Modify Object

POST

/axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}

type attributes

Replace Object

PUT

/axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}

type attributes

Replace List

PUT

/axapi/v3/slb/template/dns-logging/{name}/response-type/type

type-list

Delete Object

DELETE

/axapi/v3/slb/template/dns-logging/{name}/response-type/type/{response-type-name}

type attributes

type-list

type-list is **JSON List** of *type attributes*

type-list : [

{ *type attributes* },

{ *type attributes* },

...

]

type attributes

caa-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: caa-type-limit-num and caa-type-no-limit are mutually exclusive

caa-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: caa-type-no-limit and caa-type-limit-num are mutually exclusive

digest

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnskey-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: dnskey-type-limit-num and dnskey-type-no-limit are mutually exclusive

dnskey-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: dnskey-type-no-limit and dnskey-type-limit-num are mutually exclusive

ds-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: ds-type-limit-num and ds-type-no-limit are mutually exclusive

ds-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: ds-type-no-limit and ds-type-limit-num are mutually exclusive

length-limit-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

naptr-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: naptr-type-limit-num and naptr-type-no-limit are mutually exclusive

naptr-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: naptr-type-no-limit and naptr-type-limit-num are mutually exclusive

opt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: opt-type-limit-num and opt-type-no-limit are mutually exclusive

opt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: opt-type-no-limit and opt-type-limit-num are mutually exclusive

other-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

public-key

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rdata-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

response-type-name

Description 'TXT': TXT; 'RRSIG': RRSIG; 'TSIG': TSIG; 'DNSKEY': DNSKEY; 'DS': DS; 'CAA': CAA; 'NAPTR': NAPTR; 'OPT': OPT;

Type: string

Supported Values: TXT, RRSIG, TSIG, DNSKEY, DS, CAA, NAPTR, OPT

rrsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: rrsig-type-limit-num and rrsig-type-no-limit are mutually exclusive

rrsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rrsig-type-no-limit and rrsig-type-limit-num are mutually exclusive

service-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

signature

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tsig-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: tsig-type-limit-num and tsig-type-no-limit are mutually exclusive

tsig-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: tsig-type-no-limit and tsig-type-limit-num are mutually exclusive

txt-data

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

txt-type-limit-num

Description Limit the field length

Type: number

Range: 0-256

Default: 0

Mutual Exclusion: txt-type-limit-num and txt-type-no-limit are mutually exclusive

txt-type-no-limit

Description Print the field as much as possible

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: txt-type-no-limit and txt-type-limit-num are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value-field

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.120.249 slb template dns negative-dns-cache

setting the nagative dns cache

negative-dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	negative-dns-cache
Element URI	/axapi/v3/slb/template/dns/{name}/negative-dns-cache
Element Attributes	negative-dns-cache_attributes
Partition Visibility	shared
Schema	`negative-dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/negative-dns-cache

negative-dns-cache attributes

```
POST /axapi/v3/slb/template/dns/a/negative-dns-cache
Payload:
{
    "negative-dns-cache": {
        "enable-negative-dns-cache": 1,
        "bypass-query-threshold": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/negative-dns-cache

negative-dns-cache attributes

```
GET /axapi/v3/slb/template/dns/a/negative-dns-cache
Reponse:
{
    "negative-dns-cache": {
        "enable-negative-dns-cache": 1,
        "bypass-query-threshold": 1,
        "max-negative-cache-ttl": 7200,
        "cache-non-valid": 0,
        "uuid": "2c10a23e-b64a-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/negative-dns-cache"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/negative-dns-cache

negative-dns-cache attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/negative-dns-cache

negative-dns-cache attributes

```
PUT /axapi/v3/slb/template/dns/a/negative-dns-cache
Payload:
{
    "negative-dns-cache": {
        "enable-negative-dns-cache": 1,
        "bypass-query-threshold": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/negative-dns-cache

negative-dns-cache attributes

```
DELETE /axapi/v3/slb/template/dns/a/negative-dns-cache
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

negative-dns-cache attributes

bypass-query-threshold

Description the threshold bypass the query, default is 100

Type: number

Range: 1-65535

Default: 100

cache-non-valid

Description Enable caching non-valid negative response, otherwise will only cache valid negative response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-negative-dns-cache

Description Enable DNS negative cache (Need to turn-on the dns-cache for this feature)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-negative-cache-ttl

Description Max negative cache ttl, default is 2 hours

Type: number

Range: 0-604800

Default: 7200

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.250 slb template dns query-class-filter

DNS query class filter list

query-class-filter Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	query-class-filter
Element URI	/axapi/v3/slb/template/dns/{name}/query-class-filter
Element Attributes	query-class-filter_attributes
Partition Visibility	shared
Schema	`query-class-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

```
POST /axapi/v3/slb/template/dns/a/query-class-filter
Payload:
{
    "query-class-filter": {
        "query-class-action": "allow",
        "query-class": [
            {
                "str-query-class": "INTERNET"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

```
GET /axapi/v3/slb/template/dns/a/query-class-filter
Reponse:
{
    "query-class-filter": {
        "query-class-action": "allow",
        "query-class": [
            {
                "str-query-class": "INTERNET"
            }
        ],
        "uuid": "68903fee-b64a-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/query-class-filter"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

```
PUT /axapi/v3/slb/template/dns/a/query-class-filter
Payload:
{
    "query-class-filter": {
        "query-class-action": "allow",
        "query-class": [
            {
                "str-query-class": "CHAOS"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/query-class-filter

query-class-filter attributes

```
DELETE /axapi/v3/slb/template/dns/a/query-class-filter
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

query-class-filter attributes

query-class

Type: List

query-class-action

Description 'allow': Allow only certain DNS query classes; 'deny': Deny only certain DNS query classes;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-class

Specification	Value
Type	*list*
Block object keys	

num-query-class

Description Other query class value

Type: number

Range: 1-65535

str-query-class

Description 'INTERNET': INTERNET query class; 'CHAOS': CHAOS query class; 'HESIOD': HESIOD query class; 'NONE': NONE query class; 'ANY': ANY query class;

Type: string

Supported Values: INTERNET, CHAOS, HESIOD, NONE, ANY

2.120.251 slb template dns query-type-filter

DNS query type filter list

query-type-filter Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	query-type-filter
Element URI	/axapi/v3/slb/template/dns/{name}/query-type-filter
Element Attributes	query-type-filter_attributes
Partition Visibility	shared
Schema	`query-type-filter schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

```
POST /axapi/v3/slb/template/dns/a/query-type-filter
Payload:
{
    "query-type-filter": {
        "query-type-action": "allow"
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

```
GET /axapi/v3/slb/template/dns/a/query-type-filter
Reponse:
{
    "query-type-filter": {
        "query-type-action": "allow",
        "uuid": "97e823ce-b64a-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/query-type-filter"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

```
PUT /axapi/v3/slb/template/dns/a/query-type-filter
Payload:
{
    "query-type-filter": {
        "query-type-action": "allow"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/query-type-filter

query-type-filter attributes

```
DELETE /axapi/v3/slb/template/dns/a/query-type-filter
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

query-type-filter attributes

query-type

Type: List

query-type-action

Description 'allow': Allow only certain DNS query types; 'deny': Deny only certain DNS query types;

Type: string

Supported Values: allow, deny

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other record type value

Type: number

Range: 1-65535

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

2.120.252 slb template dns recursive-dns-resolution

Recursive DNS resolver configuration

recursive-dns-resolution Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	recursive-dns-resolution
Element URI	/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution
Element Attributes	recursive-dns-resolution_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/oper
Schema	`recursive-dns-resolution schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

```
POST /axapi/v3/slb/template/dns/a/recursive-dns-resolution
Payload:
{
    "recursive-dns-resolution": {
```

(continues on next page)

(continued from previous page)

```
        "lookup-order": {
            "query-type": [
                {
                    "order": "ipv4-precede-ipv6",
                    "str-query-type": "A"
                }
            ]
        },
        "host-list-cfg": [
            {
                "hostnames": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

```
GET /axapi/v3/slb/template/dns/a/recursive-dns-resolution
Reponse:
{
    "recursive-dns-resolution": {
        "csubnet-retry": 0,
        "ns-cache-lookup": "enabled",
        "ns-longest-match": "enabled",
        "use-service-group-response": "enabled",
        "retries-per-level": 6,
        "parallel-queries": 1,
        "full-response": 0,
        "max-trials": 255,
        "request-for-pending-resolution": "respond-with-servfail",
        "udp-retry-interval": 1,
        "default-recursive": 0,
        "force-cname-resolution": "enabled",
        "dnssec-validation": "disabled",
        "uuid": "ca70b64e-b64a-11ef-816c-ae71681635d0",
        "lookup-order": {
            "query-type": [
                {
                    "str-query-type": "A",
                    "order": "ipv4-precede-ipv6"
                }
            ],
            "uuid": "ca77894c-b64a-11ef-816c-ae71681635d0",
            "a10-url": "/axapi/v3/slb/template/dns/a/recursive-dns-resolution/lookup-
↪order"
        },
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/slb/template/dns/a/recursive-dns-resolution"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

```
PUT /axapi/v3/slb/template/dns/a/recursive-dns-resolution
Payload:
{
    "recursive-dns-resolution": {
        "lookup-order": {
            "query-type": [
                {
                    "order": "ipv6-precede-ipv4",
                    "num-query-type": 10
                }
            ]
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution

recursive-dns-resolution attributes

```
DELETE /axapi/v3/slb/template/dns/a/recursive-dns-resolution
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

recursive-dns-resolution attributes

csubnet-retry

Description retry when server REFUSED AX inserted EDNS(0) subnet, works only when insert-client-subnet is configured

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-recursive

Description Default recursive mode, forward query to bound service-group if hostnames matched

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dnssec-validation

Description 'enabled': Enable DNSSEC validation; 'disabled': Disable DNSSEC validation;

Type: string

Supported Values: enabled, disabled

Default: disabled

fast-ns-selection

Description 'enabled': Enable fast NS selection; 'disabled': Disable fast NS selection;

Type: string

Supported Values: enabled, disabled

Default: enabled

force-cname-resolution

Description 'enabled': Force CNAME resolution always; 'disabled': Use answer record in CNAME response if it exists, else resolve;

Type: string

Supported Values: enabled, disabled

Default: enabled

full-response

Description Serve all records (authority and additional) when applicable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-health-check

Description: gateway-health-check is a **JSON Block**. Please see below for *gateway-health-check*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check*

host-list-cfg

Type: List

ipv4-nat-pool

Description IPv4 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv6-nat-pool

Description IPv6 Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

lookup-order

Description: lookup-order is a **JSON Block**. Please see below for *lookup-order*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order*

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 255

Type: number

Range: 1-255

Default: 255

ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: enabled

ns-longest-match

Description 'disabled': Look up NS of top level label, do a nearly-full resolution; 'enabled': Enable NS cache longest match;

Type: string

Supported Values: disabled, enabled

Default: enabled

parallel-queries

Description Number of parallel queries to send to servers

Type: number

Range: 1-15

Default: 1

request-for-pending-resolution

Description 'drop': Drop of the request during ongoing; 'respond-with-servfail': Respond with SERVFAIL of the request during ongoing; 'start-new-resolution': Start new resolution of the request during ongoing;

Type: string

Supported Values: drop, respond-with-servfail, start-new-resolution

Default: respond-with-servfail

retries-per-level

Description Number of DNS query retries at each server level before closing client connection, default 6

Type: number

Range: 1-6

Default: 6

udp-initial-interval

Description UDP DNS Retry Interval value 1-6, default is 5 sec (1-6, default is 5sec)

Type: number

Range: 1-6

Default: 5

udp-retry-interval

Description UDP DNS Retry Interval value 1-6, default is 1 sec (1-6 , default is 1 sec)

Type: number

Range: 1-6

Default: 1

use-client-qid

Description Use client side query id for recursive query

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-service-group-response

Description 'disabled': Start Recursive Resolver if Server response doesnt have final answer; 'enabled': Forward Backend Server response to client and dont start recursive resolver;

Type: string

Supported Values: disabled, enabled

Default: enabled

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gateway-health-check

Specification	Value
Type	*object*

gwhc-ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: disabled

interval

Description Specify the health check interval, default is 10 sec (Interval value, in seconds (default 10))

Type: number

Range: 1-300

Default: 10

num-query-type

Description Other record type value

Type: number

Range: 1-65535

Mutual Exclusion: num-query-type and str-query-type are mutually exclusive

query-name

Description Specify the query name used in probe queries, default "a10networks.com"

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Default: a10networks.com

retry

Description Maximum number of DNS query retries at each server level before health check fails, default 6 (Retry count (default 6))

Type: number

Range: 1-6

Default: 6

retry-multi

Description Specify number of times that health check consecutively fails before declaring gateway DOWN, default 1 (retry-multi count (default 1))

Type: number

Range: 1-10

Default: 1

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT

Default: A

Mutual Exclusion: str-query-type and num-query-type are mutually exclusive

timeout

Description Specify the health check timeout before retrying or finish, default is 5 sec (Timeout value, in seconds (default 5))

Type: number

Range: 1-6

Default: 5

up-retry

Description Specify number of times that health check consecutively passes before declaring gateway UP, default 1 (up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lookup-order

Specification	Value
Type	*object*

query-type

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lookup-order_query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other query type value

Type: number

Range: 1-65535

order

Description 'ipv4-precede-ipv6': Recursive lookup via IPv4 then IPv6; 'ipv6-precede-ipv4': Recursive lookup via IPv6 then IPv4;

Type: string

Supported Values: ipv4-precede-ipv6, ipv6-precede-ipv4

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

host-list-cfg

Specification	Value
Type	*list*
Block object keys	

hostnames

Description Hostnames class-list name (dns type), perform resolution while query name matched

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

2.120.253 slb template dns recursive-dns-resolution gateway-health-check

Enable health check to recursive gateway based on current configuration

gateway-health-check Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	gateway-health-check
Element URI	/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check
Element Attributes	gateway-health-check_attributes
Partition Visibility	shared
Schema	`gateway-health-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check

gateway-health-check attributes

```
POST /axapi/v3/slb/template/dns/a/recursive-dns-resolution/gateway-health-check
Payload:
{
    "gateway-health-check": {
        "query-name": "a"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check

gateway-health-check attributes

```
GET /axapi/v3/slb/template/dns/a/recursive-dns-resolution/gateway-health-check
Reponse:
{
    "gateway-health-check": {
        "query-name": "a",
        "retry": 6,
        "timeout": 5,
        "interval": 10,
        "up-retry": 1,
        "retry-multi": 1,
        "gwhc-ns-cache-lookup": "disabled",
        "str-query-type": "A",
        "uuid": "fc06e232-b64a-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/recursive-dns-resolution/gateway-health-
↪check"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check

gateway-health-check attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check

gateway-health-check attributes

```
PUT /axapi/v3/slb/template/dns/a/recursive-dns-resolution/gateway-health-check
Payload:
{
    "gateway-health-check": {
        "query-name": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/gateway-health-check

gateway-health-check attributes

```
DELETE /axapi/v3/slb/template/dns/a/recursive-dns-resolution/gateway-health-check
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

gateway-health-check attributes

gwhc-ns-cache-lookup

Description 'disabled': Disable NS Cache Lookup; 'enabled': Enable NS Cache Lookup;

Type: string

Supported Values: disabled, enabled

Default: disabled

interval

Description Specify the health check interval, default is 10 sec (Interval value, in seconds (default 10))

Type: number

Range: 1-300

Default: 10

num-query-type

Description Other record type value

Type: number

Range: 1-65535

Mutual Exclusion: num-query-type and str-query-type are mutually exclusive

query-name

Description Specify the query name used in probe queries, default "a10networks.com"

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

Default: a10networks.com

retry

Description Maximum number of DNS query retries at each server level before health check fails, default 6 (Retry count (default 6))

Type: number

Range: 1-6

Default: 6

retry-multi

Description Specify number of times that health check consecutively fails before declaring gateway DOWN, default 1 (retry-multi count (default 1))

Type: number

Range: 1-10

Default: 1

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT

Default: A

Mutual Exclusion: str-query-type and num-query-type are mutually exclusive

timeout

Description Specify the health check timeout before retrying or finish, default is 5 sec (Timeout value, in seconds (default 5))

Type: number

Range: 1-6

Default: 5

up-retry

Description Specify number of times that health check consecutively passes before declaring gateway UP, default 1 (up-retry count (default 1))

Type: number

Range: 1-10

Default: 1

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.254 slb template dns recursive-dns-resolution lookup-order

Recursive lookup address type order for each DNS query type

lookup-order Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lookup-order
Element URI	/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order
Element Attributes	lookup-order_attributes
Partition Visibility	shared
Schema	`lookup-order schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order

lookup-order attributes

```
POST /axapi/v3/slb/template/dns/a/recursive-dns-resolution/lookup-order
Payload:
{
    "lookup-order": {
        "query-type": [
            {
                "order": "ipv4-precede-ipv6",
                "str-query-type": "A"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order

lookup-order attributes

```
GET /axapi/v3/slb/template/dns/a/recursive-dns-resolution/lookup-order
Reponse:
{
    "lookup-order": {
        "query-type": [
            {
                "str-query-type": "A",
                "order": "ipv4-precede-ipv6"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "uuid": "498ef17a-b64b-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/recursive-dns-resolution/lookup-order"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order

lookup-order attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order

lookup-order attributes

```
PUT /axapi/v3/slb/template/dns/a/recursive-dns-resolution/lookup-order
Payload:
{
    "lookup-order": {
        "query-type": [
            {
                "order": "ipv6-precede-ipv4",
                "str-query-type": "AAAA"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/lookup-order

lookup-order attributes

```
DELETE /axapi/v3/slb/template/dns/a/recursive-dns-resolution/lookup-order
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

lookup-order attributes

query-type

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

query-type

Specification	Value
Type	*list*
Block object keys	

num-query-type

Description Other query type value

Type: number

Range: 1-65535

order

Description 'ipv4-precede-ipv6': Recursive lookup via IPv4 then IPv6; 'ipv6-precede-ipv4': Recursive lookup via IPv6 then IPv4;

Type: string

Supported Values: ipv4-precede-ipv6, ipv6-precede-ipv4

str-query-type

Description 'A': Address record; 'AAAA': IPv6 Address record; 'CNAME': Canonical name record; 'MX': Mail exchange record; 'NS': Name server record; 'SRV': Service locator; 'PTR': PTR resource record; 'SOA': Start of authority record; 'TXT': Text record; 'ANY': All cached record;

Type: string

Supported Values: A, AAAA, CNAME, MX, NS, SRV, PTR, SOA, TXT, ANY

2.120.255 slb template dns recursive-dns-resolution oper

Operational Status for the object recursive-dns-resolution

recursive-dns-resolution Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	recursive-dns-resolution
Element URI	/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/oper
Element Attributes	recursive-dns-resolution_attributes
Partition Visibility	None
Schema	`recursive-dns-resolution schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/oper

recursive-dns-resolution attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/oper

recursive-dns-resolution attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/oper

recursive-dns-resolution attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/oper

recursive-dns-resolution attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/recursive-dns-resolution/oper

recursive-dns-resolution attributes

recursive-dns-resolution attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

gwhc-down-retries

Description

Type: number

gwhc-status

Description

Type: string

gwhc-up-retries

Description

Type: number

2.120.256 slb template dns response-rate-limiting

DNS Response Rate Limiting

response-rate-limiting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	response-rate-limiting
Element URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting
Element Attributes	response-rate-limiting_attributes
Partition Visibility	shared
Schema	`response-rate-limiting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

```
POST /axapi/v3/slb/template/dns/a/response-rate-limiting
Payload:
{
    "response-rate-limiting": {
        "response-rate": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

```
GET /axapi/v3/slb/template/dns/a/response-rate-limiting
Reponse:
{
    "response-rate-limiting": {
        "response-rate": 1,
        "nx-response-rate": 5,
        "filter-response-rate": 10,
        "match-subnet": "255.255.255.255",
        "match-subnet-v6": 128,
        "window": 1,
        "src-ip-only": 0,
        "enable-log": 0,
        "action": "rate-limit",
        "uuid": "71498cac-b64b-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/response-rate-limiting"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

```
PUT /axapi/v3/slb/template/dns/a/response-rate-limiting
Payload:
{
    "response-rate-limiting": {
        "response-rate": 2
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/response-rate-limiting

response-rate-limiting attributes

```
DELETE /axapi/v3/slb/template/dns/a/response-rate-limiting
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

response-rate-limiting attributes

TC-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: TC-rate and slip-rate are mutually exclusive

action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filter-response-rate

Description Maximum allowed request rate for the filter. This should match average traffic. (default 10 per seconds)

Type: number

Range: 1-1000

Default: 10

match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-1000

Default: 5

rrl-class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}*

slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: slip-rate and TC-rate are mutually exclusive

src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

rrl-class-list-list

Specification	Value
Type	*list*
Block object keys	

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rrl-class-list-list_lid-list

Specification	Value
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

lid-match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

lid-nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-16000000

Default: 5

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 0-16000000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: lid-slip-rate and lid-tc-rate are mutually exclusive

lid-src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-tc-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: lid-tc-rate and lid-slip-rate are mutually exclusive

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.257 slb template dns response-rate-limiting rrl-class-list

DNS Response Rate Limiting Class-List

rrl-class-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*rrl-class-list-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list
Element Name	rrl-class-list
Element URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}
Element Attributes	rrl-class-list_attributes
Partition Visibility	shared
Schema	`rrl-class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list

rrl-class-list attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list

rrl-class-list attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}

rrl-class-list attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list

rrl-class-list-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}

rrl-class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}

rrl-class-list attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list

rrl-class-list-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}

rrl-class-list attributes

rrl-class-list-list

rrl-class-list-list is **JSON List** of *rrl-class-list attributes*

rrl-class-list-list : [

{ *rrl-class-list attributes* },

{ *rrl-class-list attributes* },

...

]

rrl-class-list attributes

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}*

name

Description Class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	Value
Type	*list*
Block object keys	

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

lid-match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

lid-nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-16000000

Default: 5

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 0-16000000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: lid-slip-rate and lid-tc-rate are mutually exclusive

lid-src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-tc-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: lid-tc-rate and lid-slip-rate are mutually exclusive

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.258 slb template dns response-rate-limiting rrl-class-list lid

DNS Response Rate Limiting Class-List Lid

lid Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid
Element Name	lid
Element URI	/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}
Element Attributes	lid_attributes
Partition Visibility	shared
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid

lid attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid

lid attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid

lid-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid

lid-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/response-rate-limiting/rrl-class-list/{name}/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

```
lid-list : [
        { lid attributes },
        { lid attributes },
        ...
    ]
```

lid attributes

lid-action

Description 'log-only': Only log rate-limiting, do not actually rate limit. Requires enable-log configuration; 'rate-limit': Rate-Limit based on configuration (Default); 'whitelist': Whitelist, disable rate-limiting;

Type: string

Supported Values: log-only, rate-limit, whitelist

Default: rate-limit

lid-enable-log

Description Enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-match-subnet

Description IP subnet mask (response rate by IP subnet mask)

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

lid-match-subnet-v6

Description IPV6 subnet mask (response rate by IPv6 subnet mask)

Type: number

Range: 1-128

Default: 128

lid-nx-response-rate

Description Queries from entries whose NX Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 1-16000000

Default: 5

lid-response-rate

Description Responses exceeding this rate within the window will be dropped (default 5 per second)

Type: number

Range: 0-16000000

Default: 5

lid-slip-rate

Description Every n'th response that would be rate-limited will be let through instead

Type: number

Range: 2-10

Mutual Exclusion: lid-slip-rate and lid-tc-rate are mutually exclusive

lid-src-ip-only

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lid-tc-rate

Description Every n'th response that would be rate-limited will respond with TC bit

Type: number

Range: 2-10

Mutual Exclusion: lid-tc-rate and lid-slip-rate are mutually exclusive

lid-window

Description Rate-Limiting Interval in Seconds (default is one)

Type: number

Range: 1-60

Default: 1

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.259 slb template dns rpz

Response Policy Zone File

rpz Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*seq-id*
Collection Name	*rpz-list*
Collection URI	/axapi/v3/slb/template/dns/{name}/rpz
Element Name	rpz
Element URI	/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}
Element Attributes	rpz_attributes
Partition Visibility	shared
Schema	`rpz schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/rpz

rpz attributes

Create List

POST

/axapi/v3/slb/template/dns/{name}/rpz

rpz attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}

rpz attributes

Get List

GET

/axapi/v3/slb/template/dns/{name}/rpz

rpz-list

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}

rpz attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}

rpz attributes

Replace List

PUT

/axapi/v3/slb/template/dns/{name}/rpz

rpz-list

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}

rpz attributes

rpz-list

rpz-list is **JSON List** of *rpz attributes*

```
rpz-list : [
        { rpz attributes },
        { rpz attributes },
        ...
    ]
```

rpz attributes

logging

Description: logging is a **JSON Block**. Please see below for *logging*

Type: Object

Reference Object: */axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging*

name

Description Specify a Response Policy Zone name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

seq-id

Description sequential id of RPZ

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging

Specification	Value
Type	*object*

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging_rpz-action

Specification	Value
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

2.120.260 slb template dns rpz logging

Log RPZ triggered action

logging Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	logging
Element URI	/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging
Element Attributes	logging_attributes
Partition Visibility	shared
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

Get Object

GET

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/rpz/{seq-id}/logging

logging attributes

logging attributes

enable

Description Log RPZ triggered action

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rpz-action

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rpz-action

Specification	Value
Type	*list*
Block object keys	

str-rpz-action

Description 'drop': Log RPZ due to drop action; 'pass-thru': Log RPZ due to pass-thru action; 'nxdomain': Log RPZ due to nxdomain action; 'nodata': Log RPZ due to nodata action; 'tcp-only': Log RPZ due to tcp-only action; 'local-data': Log RPZ due to local-data action;

Type: string

Supported Values: drop, pass-thru, nxdomain, nodata, tcp-only, local-data

2.120.261 slb template dns udp-retransmit

DNS backend UDP retransmit policy

udp-retransmit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	udp-retransmit
Element URI	/axapi/v3/slb/template/dns/{name}/udp-retransmit
Element Attributes	udp-retransmit_attributes
Partition Visibility	shared
Schema	`udp-retransmit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

```
POST /axapi/v3/slb/template/dns/a/udp-retransmit
Payload:
{
    "udp-retransmit": {
        "retry-interval": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

```
GET /axapi/v3/slb/template/dns/a/udp-retransmit
Reponse:
{
    "udp-retransmit": {
        "retry-interval": 1,
        "max-trials": 3,
        "uuid": "1317950a-b64d-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/dns/a/udp-retransmit"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

Replace Object

PUT

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

```
PUT /axapi/v3/slb/template/dns/a/udp-retransmit
Payload:
{
    "udp-retransmit": {
        "retry-interval": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/dns/{name}/udp-retransmit

udp-retransmit attributes

```
DELETE /axapi/v3/slb/template/dns/a/udp-retransmit
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

udp-retransmit attributes

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.262 slb template doh

DNS over HTTP(s) template

doh Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*doh-list*
Collection URI	/axapi/v3/slb/template/doh
Element Name	doh
Element URI	/axapi/v3/slb/template/doh/{name}
Element Attributes	doh_attributes
Partition Visibility	shared
Schema	`doh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/doh

doh attributes

```
POST /axapi/v3/slb/template/doh/
Payload:
{
    "doh": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/doh

doh attributes

Get Object

GET

/axapi/v3/slb/template/doh/{name}

doh attributes

```
GET /axapi/v3/slb/template/doh/a
Reponse:
{
    "doh": {
        "name": "a",
        "non-dns-request": "reject",
        "reject-status-code": "400",
        "source-nat": "auto",
        "tcp-proxy": "default",
        "conn-reuse": "disable",
        "uuid": "47600338-b64d-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/doh/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/doh

doh-list

Modify Object

POST

/axapi/v3/slb/template/doh/{name}

doh attributes

Replace Object

PUT

/axapi/v3/slb/template/doh/{name}

doh attributes

```
PUT /axapi/v3/slb/template/doh/a
Payload:
{
    "doh": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/doh

doh-list

Delete Object

DELETE

/axapi/v3/slb/template/doh/{name}

doh attributes

```
DELETE /axapi/v3/slb/template/doh/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

doh-list

doh-list is **JSON List** of *doh attributes*

doh-list : [

{ *doh attributes* },

{ *doh attributes* },

...

]

doh attributes

conn-reuse

Description 'enable': Enable Connection Reuse; 'disable': Disable Connection-Reuse (Default);

Type: string

Supported Values: enable, disable

Default: disable

dns

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: dns and shared-partition-dns-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dns*

dns-retry

Description: dns-retry is a **JSON Block**. Please see below for *dns-retry*

Type: Object

Reference Object: */axapi/v3/slb/template/doh/{name}/dns-retry*

forwarder

Description: forwarder is a **JSON Block**. Please see below for *forwarder*

Type: Object

Reference Object: */axapi/v3/slb/template/doh/{name}/forwarder*

name

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-dns-request

Description 'allow': Forward Non-DoH request to http server bound to vport; 'reject': Reject Non-DoH requests with HTTP 400 Bad Request (Default);

Type: string

Supported Values: allow, reject

Default: reject

reject-status-code

Description '400': Status Code 400 BAD Request (Default); '500': Status Code 500 Internal Server Error; '501': Status Code 501 Not Implemented;

Type: string

Supported Values: 400, 500, 501

Default: 400

shared-partition-dns-template

Description Reference a DNS template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and dns are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

snat-pool

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

source-nat

Description 'auto': Perform Source NAT Auto for service-group(Default) (Not supported with forwarding-ip); 'disable': Don't perform source-nat for server side DNS queries; 'pool': Perform Source NAT with specific pool;

Type: string

Supported Values: auto, disable, pool

Default: auto

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-dns-shared

Description DNS Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forwarder

Specification	Value
Type	*object*

bypass-doh

Description Forward valid DoH HTTP request as is, no DNS packet extraction (Bypass DoH)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-doh,forwarding-ipv4, forwarding-ipv6, tcp-service-group, and udp-service-group are mutually exclusive

forwarding-ipv4

Description SLB VIP IPv4 address to forward DOH query (IP address)

Type: string

Format: ipv4-address

Mutual Exclusion: forwarding-ipv4,forwarding-ipv6, tcp-service-group, udp-service-group, and bypass-doh are mutually exclusive

forwarding-ipv6

Description SLB VIP IPv6 address to forward DOH query (IP address)

Type: string

Format: ipv6-address

Mutual Exclusion: forwarding-ipv6,forwarding-ipv4, tcp-service-group, udp-service-group, and bypass-doh are mutually exclusive

tcp-service-group

Description Bind a TCP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-service-group,forwarding-ipv4, forwarding-ipv6, and bypass-doh are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

udp-service-group

Description Bind a UDP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: udp-service-group,forwarding-ipv4, forwarding-ipv6, and bypass-doh are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v4-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v4-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

v6-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v6-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

dns-retry

Specification	Value
Type	*object*

after-timeout

Description 'close': Close client side connection; 'retry-with-tcp': Retry DNS query to server using TCP (If UDP was tried initially. Close after.);

Type: string

Supported Values: close, retry-with-tcp

Default: close

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.263 slb template doh dns-retry

DNS over HTTP(s) template retry policy

dns-retry Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-retry
Element URI	/axapi/v3/slb/template/doh/{name}/dns-retry
Element Attributes	dns-retry_attributes
Partition Visibility	shared
Schema	`dns-retry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

```
POST /axapi/v3/slb/template/doh/a/dns-retry
Payload:
{
    "dns-retry": {
        "retry-interval": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

```
GET /axapi/v3/slb/template/doh/a/dns-retry
Reponse:
{
    "dns-retry": {
        "retry-interval": 1,
        "after-timeout": "close",
        "max-trials": 3,
        "uuid": "b8d700d4-b64d-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/doh/a/dns-retry"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

Replace Object

PUT

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

```
PUT /axapi/v3/slb/template/doh/a/dns-retry
Payload:
{
    "dns-retry": {
        "retry-interval": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/doh/{name}/dns-retry

dns-retry attributes

```
DELETE /axapi/v3/slb/template/doh/a/dns-retry
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

dns-retry attributes

after-timeout

Description 'close': Close client side connection; 'retry-with-tcp': Retry DNS query to server using TCP (If UDP was tried initially. Close after.);

Type: string

Supported Values: close, retry-with-tcp

Default: close

max-trials

Description Total number of times to try DNS query to server before closing client connection, default 3

Type: number

Range: 1-5

Default: 3

retry-interval

Description DNS Retry Interval value 1 - 400 in units of 100ms, default is 10 (default is 1000ms) (1 - 400 in units of 100ms, default is 10 (1000ms/1sec))

Type: number

Range: 1-400

Default: 10

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.264 slb template doh forwarder

DNS over HTTP(s) template forwarding policy

forwarder Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	forwarder
Element URI	/axapi/v3/slb/template/doh/{name}/forwarder
Element Attributes	forwarder_attributes
Partition Visibility	shared
Schema	`forwarder schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

```
POST /axapi/v3/slb/template/doh/a/forwarder
Payload:
{
    "forwarder": {
        "forwarding-ipv4": "3.3.3.3",
        "v4-port": 1,
        "v4-l4-proto": "tcp"
    }
}
```

Get Object

GET

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

```
GET /axapi/v3/slb/template/doh/a/forwarder
Reponse:
{
    "forwarder": {
        "forwarding-ipv4": "3.3.3.3",
        "v4-internal": 0,
        "v4-port": 1,
        "v4-l4-proto": "tcp",
        "uuid": "ebc5c3a4-b64d-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/doh/a/forwarder"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

Replace Object

PUT

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

```
PUT /axapi/v3/slb/template/doh/a/forwarder
Payload:
{
    "forwarder": {
        "forwarding-ipv4": "3.3.3.4",
        "v4-port": 3,
        "v4-l4-proto": "udp"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/doh/{name}/forwarder

forwarder attributes

```
DELETE /axapi/v3/slb/template/doh/a/forwarder
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

forwarder attributes

bypass-doh

Description Forward valid DoH HTTP request as is, no DNS packet extraction (Bypass DoH)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: bypass-doh,forwarding-ipv4, forwarding-ipv6, tcp-service-group, and udp-service-group are mutually exclusive

forwarding-ipv4

Description SLB VIP IPv4 address to forward DOH query (IP address)

Type: string

Format: ipv4-address

Mutual Exclusion: forwarding-ipv4,forwarding-ipv6, tcp-service-group, udp-service-group, and bypass-doh are mutually exclusive

forwarding-ipv6

Description SLB VIP IPv6 address to forward DOH query (IP address)

Type: string

Format: ipv6-address

Mutual Exclusion: forwarding-ipv6,forwarding-ipv4, tcp-service-group, udp-service-group, and bypass-doh are mutually exclusive

tcp-service-group

Description Bind a TCP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-service-group,forwarding-ipv4, forwarding-ipv6, and bypass-doh are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

udp-service-group

Description Bind a UDP Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: udp-service-group,forwarding-ipv4, forwarding-ipv6, and bypass-doh are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v4-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v4-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v4-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

v6-internal

Description Try to find this IP as a VIP in this L3v Partition and forward it internally to the VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

v6-l4-proto

Description 'tcp': Use TCP only when forwarding DNS traffic; 'udp': Use UDP only when forwarding DNS traffic; 'both': Use UDP 1st and if unreachable, retry with TCP when forwarding DNS traffic;

Type: string

Supported Values: tcp, udp, both

Default: both

v6-port

Description Forwarding port number, Default is 53

Type: number

Range: 1-65534

Default: 53

2.120.265 slb template dynamic-service

Dynamic service template

dynamic-service Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*dynamic-service-list*
Collection URI	/axapi/v3/slb/template/dynamic-service
Element Name	dynamic-service
Element URI	/axapi/v3/slb/template/dynamic-service/{name}
Element Attributes	dynamic-service_attributes
Partition Visibility	shared
Schema	`dynamic-service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dynamic-service

dynamic-service attributes

```
POST /axapi/v3/slb/template/dynamic-service/
Payload:
{
    "dynamic-service": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/dynamic-service

dynamic-service attributes

Get Object

GET

/axapi/v3/slb/template/dynamic-service/{name}

dynamic-service attributes

```
GET /axapi/v3/slb/template/dynamic-service/a
Reponse:
{
    "dynamic-service": {
        "name": "a",
        "uuid": "3a988a52-b64e-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/dynamic-service/a"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get List

GET

/axapi/v3/slb/template/dynamic-service

dynamic-service-list

Modify Object

POST

/axapi/v3/slb/template/dynamic-service/{name}

dynamic-service attributes

Replace Object

PUT

/axapi/v3/slb/template/dynamic-service/{name}

dynamic-service attributes

```
PUT /axapi/v3/slb/template/dynamic-service/a
Payload:
{
    "dynamic-service": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/dynamic-service

dynamic-service-list

Delete Object

DELETE

/axapi/v3/slb/template/dynamic-service/{name}

dynamic-service attributes

```
DELETE /axapi/v3/slb/template/dynamic-service/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

dynamic-service-list

dynamic-service-list is **JSON List** of *dynamic-service attributes*

dynamic-service-list : [

{ *dynamic-service attributes* },

{ *dynamic-service attributes* },

...

]

dynamic-service attributes

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/dynamic-service/{name}/class-list/{dns-class-list}*

dns-server

Type: List

name

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-server

Specification	Value
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

class-list-list

Specification	Value
Type	*list*
Block object keys	

dns-class-list

Description Name of Aho-Corasick class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dns-server

Type: List

priority

Description Priority of the class-list(the larger number, the higher priority)

Type: number

Range: 1-64

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-list_dns-server

Specification	Value
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

2.120.266 slb template dynamic-service class-list

Configure Aho-Corasick class-list for specific DNS server

class-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*dns-class-list*
Collection Name	*class-list-list*
Collection URI	/axapi/v3/slb/template/dynamic-service/{name}/class-list
Element Name	class-list
Element URI	/axapi/v3/slb/template/dynamic-service/{name}/class-list/{dns-class-list}
Element Attributes	class-list_attributes
Partition Visibility	shared
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/dynamic-service/{name}/class-list

class-list attributes

Create List

POST

/axapi/v3/slb/template/dynamic-service/{name}/class-list

class-list attributes

Get Object

GET

/axapi/v3/slb/template/dynamic-service/{name}/class-list/{dns-class-list}

class-list attributes

Get List

GET

/axapi/v3/slb/template/dynamic-service/{name}/class-list

class-list-list

Modify Object

POST

/axapi/v3/slb/template/dynamic-service/{name}/class-list/{dns-class-list}

class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/dynamic-service/{name}/class-list/{dns-class-list}

class-list attributes

Replace List

PUT

/axapi/v3/slb/template/dynamic-service/{name}/class-list

class-list-list

Delete Object

DELETE

/axapi/v3/slb/template/dynamic-service/{name}/class-list/{dns-class-list}

class-list attributes

class-list-list

class-list-list is **JSON List** of *class-list attributes*

class-list-list : [

{ *class-list attributes* },

{ *class-list attributes* },

...

]

class-list attributes

dns-class-list

Description Name of Aho-Corasick class-list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dns-server

Type: List

priority

Description Priority of the class-list(the larger number, the higher priority)

Type: number

Range: 1-64

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-server

Specification	Value
Type	*list*
Block object keys	

ipv4-dns-server

Description DNS Server IPv4 Address

Type: string

Format: ipv4-address

ipv6-dns-server

Description DNS Server IPv6 Address

Type: string

Format: ipv6-address

2.120.267 slb template external-service

External service template

external-service Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*external-service-list*
Collection URI	/axapi/v3/slb/template/external-service
Element Name	external-service
Element URI	/axapi/v3/slb/template/external-service/{name}
Element Attributes	external-service_attributes
Partition Visibility	shared
Schema	`external-service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/external-service

external-service attributes

```
POST /axapi/v3/slb/template/external-service/
Payload:
{
    "external-service": {
        "name": "a",
```

(continues on next page)

(continued from previous page)

```
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/external-service

external-service attributes

Get Object

GET

/axapi/v3/slb/template/external-service/{name}

external-service attributes

```
GET /axapi/v3/slb/template/external-service/a
Reponse:
{
    "external-service": {
        "name": "a",
        "failure-action": "continue",
        "timeout": 5,
        "action": "continue",
        "type": "url-filter",
        "uuid": "b896db3e-b64e-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/external-service/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/external-service

external-service-list

Modify Object

POST

/axapi/v3/slb/template/external-service/{name}

external-service attributes

Replace Object

PUT

/axapi/v3/slb/template/external-service/{name}

external-service attributes

```
PUT /axapi/v3/slb/template/external-service/a
Payload:
{
    "external-service": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/external-service

external-service-list

Delete Object

DELETE

/axapi/v3/slb/template/external-service/{name}

external-service attributes

```
DELETE /axapi/v3/slb/template/external-service/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

external-service-list

external-service-list is **JSON List** of *external-service attributes*

external-service-list : [

{ *external-service attributes* },

{ *external-service attributes* },

...

]

external-service attributes

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

name

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-forward-list

Type: List

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

type

Description 'skyfire-icap': Skyfire ICAP service; 'url-filter': URL filtering service;

Type: string

Supported Values: skyfire-icap, url-filter

Default: url-filter

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass external service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

request-header-forward-list

Specification	Value
Type	*list*
Block object keys	

request-header-forward

Description Request header to be forwarded to external service (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.120.268 slb template fix

FIX template

fix Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*fix-list*
Collection URI	/axapi/v3/slb/template/fix
Element Name	fix
Element URI	/axapi/v3/slb/template/fix/{name}
Element Attributes	fix_attributes
Partition Visibility	shared
Schema	`fix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/fix

fix attributes

```
POST /axapi/v3/slb/template/fix/
Payload:
{
    "fix": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/fix

fix attributes

Get Object

GET

/axapi/v3/slb/template/fix/{name}

fix attributes

```
GET /axapi/v3/slb/template/fix/a
Reponse:
{
    "fix": {
        "name": "a",
        "insert-client-ip": 0,
        "uuid": "22992014-b64f-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/fix/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/fix

fix-list

Modify Object

POST

/axapi/v3/slb/template/fix/{name}

fix attributes

Replace Object

PUT

/axapi/v3/slb/template/fix/{name}

fix attributes

```
PUT /axapi/v3/slb/template/fix/a
Payload:
{
    "fix": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/fix

fix-list

Delete Object

DELETE

/axapi/v3/slb/template/fix/{name}

fix attributes

```
DELETE /axapi/v3/slb/template/fix/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

fix-list

fix-list is **JSON List** of *fix attributes*

fix-list : [

{ *fix attributes* },

{ *fix attributes* },

...

]

fix attributes

insert-client-ip

Description Insert client ip to tag 11447

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

tag-switching

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tag-switching

Specification	Value
Type	*list*
Block object keys	

equals

Description Equals (Tag String)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

switching-type

Description 'sender-comp-id': Select service group based on SenderCompID; 'target-comp-id': Select service group based on TargetCompID;

Type: string

Supported Values: sender-comp-id, target-comp-id

2.120.269 slb template ftp

FTP template

ftp Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*ftp-list*
Collection URI	/axapi/v3/slb/template/ftp
Element Name	ftp
Element URI	/axapi/v3/slb/template/ftp/{name}
Element Attributes	ftp_attributes
Partition Visibility	shared
Schema	`ftp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/ftp

ftp attributes

```
POST /axapi/v3/slb/template/ftp/
Payload:
{
    "ftp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/ftp

ftp attributes

Get Object

GET

/axapi/v3/slb/template/ftp/{name}

ftp attributes

```
GET /axapi/v3/slb/template/ftp/a
Reponse:
{
    "ftp": {
        "name": "a",
        "active-mode-port": 0,
        "uuid": "5866712e-b64f-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/ftp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/ftp

ftp-list

Modify Object

POST

/axapi/v3/slb/template/ftp/{name}

ftp attributes

Replace Object

PUT

/axapi/v3/slb/template/ftp/{name}

ftp attributes

```
PUT /axapi/v3/slb/template/ftp/a
Payload:
{
    "ftp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/ftp

ftp-list

Delete Object

DELETE

/axapi/v3/slb/template/ftp/{name}

ftp attributes

```
DELETE /axapi/v3/slb/template/ftp/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ftp-list

ftp-list is **JSON List** of *ftp attributes*

ftp-list : [

{ *ftp attributes* },

{ *ftp attributes* },

...

]

ftp attributes

active-mode-port

Description Non-Standard FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

active-mode-port-val

Description Non-Standard FTP Active mode port

Type: number

Range: 1-65534

Mutual Exclusion: active-mode-port-val and any are mutually exclusive

any

Description Allow any FTP Active mode port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: any and active-mode-port-val are mutually exclusive

name

Description FTP template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

to

Description End range of FTP Active mode port

Type: number

Range: 1-65534

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.270 slb template http

HTTP

http Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*http-list*
Collection URI	/axapi/v3/slb/template/http
Element Name	http
Element URI	/axapi/v3/slb/template/http/{name}
Element Attributes	http_attributes
Partition Visibility	shared
Schema	`http schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/http

http attributes

```
POST /axapi/v3/slb/template/http/
Payload:
{
    "http": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/http

http attributes

Get Object

GET

/axapi/v3/slb/template/http/{name}

http attributes

```
GET /axapi/v3/slb/template/http/a
Reponse:
{
    "http": {
        "name": "a",
        "compression-enable": 0,
        "compression-keep-accept-encoding": 0,
        "compression-level": 1,
        "compression-br-level": 1,
        "compression-minimum-content-length": 120,
        "default-charset": "utf-8",
        "max-concurrent-streams": 50,
        "stream-cancellation-limit": 0,
        "frame-limit": 10000,
        "insert-client-ip": 0,
        "insert-client-port": 0,
        "log-retry": 0,
        "non-http-bypass": 0,
        "redirect": 0,
        "redirect-rewrite": {
            "redirect-secure": 0
        },
        "retry-on-5xx": 0,
        "strict-transaction-switch": 0,
```

(continues on next page)

(continued from previous page)

```
        "term-11client-hdr-conn-close": 0,
        "persist-on-401": 0,
        "100-cont-wait-for-req-complete": 0,
        "http2-client-no-snat": 0,
        "url-hash-persist": 0,
        "req-hdr-wait-time": 0,
        "request-line-case-insensitive": 0,
        "keep-client-alive": 0,
        "server-support-http2-only": 0,
        "client-idle-timeout": 0,
        "uuid": "7da5ad92-b64f-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/http/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/http

http-list

Modify Object

POST

/axapi/v3/slb/template/http/{name}

http attributes

Replace Object

PUT

/axapi/v3/slb/template/http/{name}

http attributes

```
PUT /axapi/v3/slb/template/http/a
Payload:
{
    "http": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/http

http-list

Delete Object

DELETE

/axapi/v3/slb/template/http/{name}

http attributes

```
DELETE /axapi/v3/slb/template/http/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

http-list

http-list is **JSON List** of *http attributes*

http-list : [

{ *http attributes* },

{ *http attributes* },

...

]

http attributes

100-cont-wait-for-req-complete

Description When REQ has Expect 100 and response is not 100, then wait for whole request to be sent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allowed-methods

Description Enable allowed-method check (List of allowed HTTP methods)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: allowed-methods and disallowed-methods are mutually exclusive

allowed-methods-action

Description 'drop': Respond 400 directly;

Type: string

Supported Values: drop

Default: drop

bypass-sg

Description Select service group for non-http traffic (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

client-idle-timeout

Description Client session timeout if the next request is not received (timeout in seconds. 0 means disable, default is 0)

Type: number

Range: 0-120

Default: 0

client-ip-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-port-hdr-replace

Description Replace the existing header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-auto-disable-on-high-cpu

Description Auto-disable software compression on high cpu usage (Disable compression if cpu usage is above threshold. Default is off.)

Type: number

Range: 1-100

compression-br-level

Description brotli compression level, default 1 (brotli compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-br-sliding-window-size

Description brotli compression sliding window size, default 10 (brotli compression sliding window size in the form of log (i.e., 10 means 1k-16MB bytes))

Type: number

Range: 10-24

compression-content-type

Type: List

compression-enable

Description Enable Compression

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-exclude-content-type

Type: List

compression-exclude-uri

Type: List

compression-keep-accept-encoding

Description Keep accept encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-keep-accept-encoding-enable

Description Enable Server Accept Encoding

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

compression-level

Description gzip compression level, default 1 (gzip compression level value, default is 1)

Type: number

Range: 1-9

Default: 1

compression-method-order

Description Method Order (Order to decide which compression algorithm to be applied when multiple algorithms are acceptable)

Type: string

Format: string-rlx

Maximum Length: 11 characters

Maximum Length: 11 characters

compression-minimum-content-length

Description Minimum Content Length (Minimum content length for compression in bytes. Default is 120.)

Type: number

Range: 1-2147483647

Default: 120

cookie-format

Description 'rfc6265': Follow rfc6265;

Type: string

Supported Values: rfc6265

cookie-samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

default-charset

Description 'iso-8859-1': Use ISO-8859-1 as the default charset; 'utf-8': Use UTF-8 as the default charset; 'us-ascii': Use US-ASCII as the default charset;

Type: string

Supported Values: iso-8859-1, utf-8, us-ascii

Default: utf-8

disallowed-methods

Description Enable disallowed-method check (List of disallowed HTTP methods)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: disallowed-methods and allowed-methods are mutually exclusive

disallowed-methods-action

Description 'drop': Respond 400 directly;

Type: string

Supported Values: drop

Default: drop

failover-url

Description Failover to this URL (Failover URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

frame-limit

Description Limit the number of CONTINUATION, PING, PRIORITY, RESET, SETTINGS and empty frames in one HTTP2 connection, default 10000

Type: number

Range: 0-65535

Default: 10000

host-switching

Type: List

http-protocol-check

Description: http-protocol-check is a **JSON Block**. Please see below for *http-protocol-check*

Type: Object

Reference Object: */axapi/v3/slb/template/http/{name}/http-protocol-check*

http2-client-no-snat

Description Set max-concurrent-stream = 1 when the client side is HTTP2 and no source-nat configuration is under vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip

Description Insert Client IP address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-ip-header-name

Description HTTP Header Name for inserting Client IP

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

insert-client-port

Description Insert Client Port address into HTTP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-client-port-header-name

Description HTTP Header Name for inserting Client Port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

keep-client-alive

Description Keep client alive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-retry

Description log when HTTP request retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-concurrent-streams

Description (http2 only) Max concurrent streams, default 50

Type: number

Range: 1-1000

Default: 50

max-transaction-allowed

Description Max transactions allowed, default 0 (no limit)

Type: number

Range: 0-65535

Default: 0

name

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

non-http-bypass

Description Bypass non-http traffic instead of dropping

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

persist-on-401

Description Persist to the same server if the response code is 401

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute; 'check': check server prefix and enforce prefix format;

Type: string

Supported Values: host, secure, check

rd-port

Description Port (Port Number)

Type: number

Range: 1-65535

Mutual Exclusion: rd-port and rd-simple-loc are mutually exclusive

rd-resp-code

Description '301': Moved Permanently; '302': Found; '303': See Other; '307': Temporary Redirect;

Type: string

Supported Values: 301, 302, 303, 307

rd-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: rd-secure and rd-simple-loc are mutually exclusive

rd-simple-loc

Description Redirect location tag absolute URI string

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

Mutual Exclusion: rd-simple-loc, rd-secure, and rd-port are mutually exclusive

redirect

Description Automatically send a redirect response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-rewrite

Description: redirect-rewrite is a **JSON Block**. Please see below for *redirect-rewrite*

Type: Object

req-hdr-wait-time

Description HTTP request header wait time before abort connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-hdr-wait-time-val

Description Number of seconds wait for client request header (default is 7)

Type: number

Range: 1-31

Default: 7

request-header-erase-list

Type: List

request-header-insert-list

Type: List

request-line-case-insensitive

Description Parse http request line as case insensitive

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-timeout

Description Request timeout if response not received (timeout in seconds)

Type: number

Range: 1-120

response-content-replace-list

Type: List

response-header-erase-list

Type: List

response-header-insert-list

Type: List

retry-on-5xx

Description Retry http request on HTTP 5xx code and request timeout

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx and retry-on-5xx-per-req are mutually exclusive

retry-on-5xx-per-req

Description Retry http request on HTTP 5xx code for each request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: retry-on-5xx-per-req and retry-on-5xx are mutually exclusive

retry-on-5xx-per-req-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

retry-on-5xx-val

Description Number of times to retry (default is 3)

Type: number

Range: 1-3

Default: 3

server-support-http2-only

Description Notify the vport regarding whether server supports http2 only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-support-http2-only-value

Description 'auto-detect': Commuincate with the server via HTTP/2 when an support-http2-only rport is detected; 'force': Communicate with the server via HTTP/2 when possible;

Type: string

Supported Values: auto-detect, force

Default: auto-detect

stream-cancellation-limit

Description cancellation limit, default 0 (accumulated cancellation limit value, default is 0)

Type: number

Range: 0-1000

Default: 0

stream-cancellation-rate

Description cancellation rate, default 10 (cancellation rate value, default is 10)

Type: number

Range: 0-1000

Default: 10

strict-transaction-switch

Description Force server selection on every HTTP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

term-11client-hdr-conn-close

Description Terminate HTTP 1.1 client when req has Connection: close

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-hash-first

Description Use the begining part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-first and url-hash-last are mutually exclusive

url-hash-last

Description Use the end part of URL to calculate hash value (URL string length to calculate hash value)

Type: number

Range: 4-128

Mutual Exclusion: url-hash-last and url-hash-first are mutually exclusive

url-hash-offset

Description Skip part of URL to calculate hash value (Offset of the URL string)

Type: number

Range: 0-255

url-hash-persist

Description Use URL's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

url-switching

Type: List

use-server-status

Description Use Server-Status header to do URL hashing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

request-header-erase-list

Specification	Value
Type	*list*
Block object keys	

request-header-erase

Description Erase a header from HTTP request (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

redirect-rewrite

Specification	Value
Type	*object*

match-list

Type: List

redirect-secure

Description Use HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

redirect-secure-port

Description Port (Port Number)

Type: number

Range: 1-65535

Default: 443

redirect-rewrite_match-list

Specification	Value
Type	*list*
Block object keys	

redirect-match

Description URL Matching (Pattern URL String)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rewrite-to

Description Rewrite to Destination URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

response-header-insert-list

Specification	Value
Type	*list*
Block object keys	

response-header-insert

Description Insert a header into HTTP response (Header Content (Format: "[name]:[value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

response-header-erase-list

Specification	Value
Type	*list*
Block object keys	

response-header-erase

Description Erase a header from HTTP response (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template

Specification	Value
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

url-switching

Specification	Value
Type	*list*
Block object keys	

url-match-string

Description URL String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

url-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

url-switching-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string; 'regex-match': Select service group if URL string matches with regular expression; 'url-case-insensitive': Case insensitive URL switching; 'url-hits-enable': Enables URL Hits;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, url-case-insensitive, url-hits-enable

response-content-replace-list

Specification	Value
Type	*list*
Block object keys	

response-content-replace

Description replace the data from HTTP response content (String in the http content need to be replaced)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

response-new-string

Description String will be in the http content

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

http-protocol-check

Specification	Value
Type	*object*

get-and-payload

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-content-length-alias

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-with-host-and-auth

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-with-transfer-encoding

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

header-filter-rule-list

Type: List

Reference Object: */axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}*

malformed-h2up-header-value

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

malformed-h2up-scheme-value

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

multiple-content-length

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

multiple-transfer-encoding

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

transfer-encoding-and-content-length

Description 'drop': Drop the request and Send 400 to the client side;

Type: string

Supported Values: drop

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-protocol-check_header-filter-rule-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'drop': Drop the request;

Type: string

Supported Values: drop

header-name-value

Description Header name value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-value

Description Header value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type-value

Description 'full-text': Full text match; 'pcre': PCRE match;

Type: string

Supported Values: full-text, pcre

seq-num

Description Specify a sequence number

Type: number

Range: 0-4

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

request-header-insert-list

Specification	Value
Type	*list*
Block object keys	

request-header-insert

Description Insert a header into HTTP request (Header Content (Format: "[name]:[value]"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

request-header-insert-type

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

host-switching

Specification	Value
Type	*list*
Block object keys	

host-match-string

Description Hostname String

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-service-group

Description Create a Service Group comprising Servers (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

host-switching-type

Description 'contains': Select service group if hostname contains another string; 'ends-with': Select service group if hostname ends with another string; 'equals': Select service group if hostname equals another string; 'starts-with': Select service group if hostname starts with another string; 'regex-match': Select service group if URL string matches with regular expression; 'host-hits-enable': Enables Host Hits counters;

Type: string

Supported Values: contains, ends-with, equals, starts-with, regex-match, host-hits-enable

compression-content-type

Specification	Value
Type	*list*
Block object keys	

content-type

Description Compression content-type

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

compression-exclude-uri

Specification	Value
Type	*list*
Block object keys	

exclude-uri

Description Compression exclude uri

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

compression-exclude-content-type

Specification	Value
Type	*list*
Block object keys	

exclude-content-type

Description Compression exclude content-type (Compression exclude content type)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

2.120.271 slb template http http-protocol-check

HTTP protocol compliance check

http-protocol-check Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	http-protocol-check
Element URI	/axapi/v3/slb/template/http/{name}/http-protocol-check
Element Attributes	http-protocol-check_attributes
Partition Visibility	shared
Schema	`http-protocol-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/http/{name}/http-protocol-check

http-protocol-check attributes

```
POST /axapi/v3/slb/template/http/a/http-protocol-check
Payload:
{
    "http-protocol-check": {
        "h2up-content-length-alias": "drop"
    }
}
```

Get Object

GET

/axapi/v3/slb/template/http/{name}/http-protocol-check

http-protocol-check attributes

```
GET /axapi/v3/slb/template/http/a/http-protocol-check
Reponse:
{
    "http-protocol-check": {
        "h2up-content-length-alias": "drop",
        "uuid": "6b932024-b651-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/http/a/http-protocol-check"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/http/{name}/http-protocol-check

http-protocol-check attributes

Replace Object

PUT

/axapi/v3/slb/template/http/{name}/http-protocol-check

http-protocol-check attributes

```
PUT /axapi/v3/slb/template/http/a/http-protocol-check
Payload:
{
    "http-protocol-check": {
        "h2up-content-length-alias": "drop"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/http/{name}/http-protocol-check

http-protocol-check attributes

```
DELETE /axapi/v3/slb/template/http/a/http-protocol-check
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

http-protocol-check attributes

get-and-payload

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-content-length-alias

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-with-host-and-auth

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

h2up-with-transfer-encoding

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

header-filter-rule-list

Type: List

Reference Object: */axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}*

malformed-h2up-header-value

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

malformed-h2up-scheme-value

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

multiple-content-length

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

multiple-transfer-encoding

Description 'drop': Drop the request and send 400 to the client side;

Type: string

Supported Values: drop

transfer-encoding-and-content-length

Description 'drop': Drop the request and Send 400 to the client side;

Type: string

Supported Values: drop

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

header-filter-rule-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'drop': Drop the request;

Type: string

Supported Values: drop

header-name-value

Description Header name value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-value

Description Header value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type-value

Description 'full-text': Full text match; 'pcre': PCRE match;

Type: string

Supported Values: full-text, pcre

seq-num

Description Specify a sequence number

Type: number

Range: 0-4

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.272 slb template http http-protocol-check header-filter-rule

Header filter rules

header-filter-rule Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*seq-num*
Collection Name	*header-filter-rule-list*
Collection URI	/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule
Element Name	header-filter-rule
Element URI	/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}
Element Attributes	header-filter-rule_attributes
Partition Visibility	shared
Schema	`header-filter-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule

header-filter-rule attributes

Create List

POST

/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule

header-filter-rule attributes

Get Object

GET

/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}

header-filter-rule attributes

Get List

GET

/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule

header-filter-rule-list

Modify Object

POST

/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}

header-filter-rule attributes

Replace Object

PUT

/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}

header-filter-rule attributes

Replace List

PUT

/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule

header-filter-rule-list

Delete Object

DELETE

/axapi/v3/slb/template/http/{name}/http-protocol-check/header-filter-rule/{seq-num}

header-filter-rule attributes

header-filter-rule-list

header-filter-rule-list is **JSON List** of *header-filter-rule attributes*

header-filter-rule-list : [

{ *header-filter-rule attributes* },

{ *header-filter-rule attributes* },

...

]

header-filter-rule attributes

action-value

Description 'drop': Drop the request;

Type: string

Supported Values: drop

header-name-value

Description Header name value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-value

Description Header value

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

match-type-value

Description 'full-text': Full text match; 'pcre': PCRE match;

Type: string

Supported Values: full-text, pcre

seq-num

Description Specify a sequence number

Type: number

Range: 0-4

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.273 slb template http-policy

http-policy template

http-policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*http-policy-list*
Collection URI	/axapi/v3/slb/template/http-policy
Element Name	http-policy
Element URI	/axapi/v3/slb/template/http-policy/{name}
Element Attributes	http-policy_attributes
Partition Visibility	shared
Schema	`http-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/http-policy

http-policy attributes

```
POST /axapi/v3/slb/template/http-policy/
Payload:
{
    "http-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/http-policy

http-policy attributes

Get Object

GET

/axapi/v3/slb/template/http-policy/{name}

http-policy attributes

```
GET /axapi/v3/slb/template/http-policy/a
Reponse:
{
    "http-policy": {
        "name": "a",
        "uuid": "c6aa4f0a-b651-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/http-policy/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/http-policy

http-policy-list

Modify Object

POST

/axapi/v3/slb/template/http-policy/{name}

http-policy attributes

Replace Object

PUT

/axapi/v3/slb/template/http-policy/{name}

http-policy attributes

```
PUT /axapi/v3/slb/template/http-policy/a
Payload:
{
    "http-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/http-policy

http-policy-list

Delete Object

DELETE

/axapi/v3/slb/template/http-policy/{name}

http-policy attributes

```
DELETE /axapi/v3/slb/template/http-policy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

http-policy-list

http-policy-list is **JSON List** of *http-policy attributes*

http-policy-list : [

{ *http-policy attributes* },

{ *http-policy attributes* },

...

]

http-policy attributes

cookie-name

Description name of cookie to match (Cookie Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

geo-location-match

Type: List

http-policy-match

Type: List

multi-match-rule-list

Type: List

Reference Object: */axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}*

name

Description http-policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

http-policy-match

Specification	Value
Type	*list*
Block object keys	

match-string

Description URL String, use "[no-name]" for empty query-param-name match, use "[no-value]" for empty query-param-value match

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

match-type

Description 'contains': Select service group if URL string contains another string; 'ends-with': Select service group if URL string ends with another string; 'equals': Select service group if URL string equals another string; 'starts-with': Select service group if URL string starts with another string;

Type: string

Supported Values: contains, ends-with, equals, starts-with

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

type

Description 'cookie': cookie value match; 'host': hostname match; 'url': URL match; 'header-name': header name match; 'header-value': header value match; 'query-param-name': query parameter name; 'query-param-value': query parameter value;

Type: string

Supported Values: cookie, host, url, header-name, header-value, query-param-name, query-param-value

multi-match-rule-list

Specification	Value
Type	*list*
Block object keys	

cookie-name-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-contains-type

Description 'contains': Cookie name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-name-contains-type,cookie-name-equals-type, cookie-name-starts-with-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-ends-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-ends-with-type

Description 'ends-with': Cookie name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-name-ends-with-type,cookie-name-equals-type, cookie-name-contains-type, and cookie-name-starts-with-type are mutually exclusive

cookie-name-equals-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-equals-type

Description 'equals': Cookie name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-name-equals-type,cookie-name-contains-type, cookie-name-starts-with-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-starts-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-starts-with-type

Description 'starts-with': Cookie name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-name-starts-with-type,cookie-name-equals-type, cookie-name-contains-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-value-match

Description When enabled, the rule will match only when both cookie-name and cookie-value matches with same cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-value-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-contains-type

Description 'contains': Cookie value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-value-contains-type,cookie-value-equals-type, cookie-value-starts-with-type, and cookie-value-ends-with-type are mutually exclusive

cookie-value-ends-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-ends-with-type

Description 'ends-with': Cookie value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-value-ends-with-type,cookie-value-equals-type, cookie-value-contains-type, and cookie-value-starts-with-type are mutually exclusive

cookie-value-equals-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-equals-type

Description 'equals': Cookie value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-value-equals-type,cookie-value-contains-type, cookie-value-starts-with-type, and cookie-value-ends-with-type are mutually exclusive

cookie-value-starts-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-starts-with-type

Description 'starts-with': Cookie value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-value-starts-with-type,cookie-value-equals-type, cookie-value-contains-type, and cookie-value-ends-with-type are mutually exclusive

header-name-contains-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-contains-type

Description 'contains': Header name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-name-contains-type,header-name-equals-type, header-name-starts-with-type, and header-name-ends-with-type are mutually exclusive

header-name-ends-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-ends-with-type

Description 'ends-with': Header name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-name-ends-with-type,header-name-equals-type, header-name-contains-type, and header-name-starts-with-type are mutually exclusive

header-name-equals-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-equals-type

Description 'equals': Header name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-name-equals-type,header-name-contains-type, header-name-starts-with-type, and header-name-ends-with-type are mutually exclusive

header-name-starts-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-starts-with-type

Description 'starts-with': Header name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-name-starts-with-type,header-name-equals-type, header-name-contains-type, and header-name-ends-with-type are mutually exclusive

header-name-value-match

Description When enabled, the rule will match only when both header-name and header-value matches with same header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-value-contains-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-contains-type

Description 'contains': Header value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-value-contains-type,header-value-equals-type, header-value-starts-with-type, and header-value-ends-with-type are mutually exclusive

header-value-ends-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-ends-with-type

Description 'ends-with': Header value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-value-ends-with-type,header-value-equals-type, header-value-contains-type, and header-value-starts-with-type are mutually exclusive

header-value-equals-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-equals-type

Description 'equals': Header value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-value-equals-type,header-value-contains-type, header-value-starts-with-type, and header-value-ends-with-type are mutually exclusive

header-value-starts-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-starts-with-type

Description 'starts-with': Header value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-value-starts-with-type,header-value-equals-type, header-value-contains-type, and header-value-ends-with-type are mutually exclusive

host-contains-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-contains-type

Description 'contains': Host contains string;

Type: string

Supported Values: contains

Mutual Exclusion: host-contains-type,host-equals-type, host-starts-with-type, and host-ends-with-type are mutually exclusive

host-ends-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-ends-with-type

Description 'ends-with': Host ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: host-ends-with-type,host-equals-type, host-contains-type, and host-starts-with-type are mutually exclusive

host-equals-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-equals-type

Description 'equals': Host equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: host-equals-type,host-contains-type, host-starts-with-type, and host-ends-with-type are mutually exclusive

host-starts-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-starts-with-type

Description 'starts-with': Host starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: host-starts-with-type,host-equals-type, host-contains-type, and host-ends-with-type are mutually exclusive

multi-match

Description Specify a multi-match-rule name

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

query-param-name-contains-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-contains-type

Description 'contains': query parameter name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-name-contains-type,query-param-name-equals-type, query-param-name-starts-with-type, and query-param-name-ends-with-type are mutually exclusive

query-param-name-ends-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-ends-with-type

Description 'ends-with': query parameter name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-name-ends-with-type,query-param-name-equals-type, query-param-name-contains-type, and query-param-name-starts-with-type are mutually exclusive

query-param-name-equals-string

Description query parameter name string, use "[no-name]" for empty query-param-name match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-equals-type

Description 'equals': query parameter name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-name-equals-type,query-param-name-contains-type, query-param-name-starts-with-type, and query-param-name-ends-with-type are mutually exclusive

query-param-name-starts-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-starts-with-type

Description 'starts-with': query parameter name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-name-starts-with-type,query-param-name-equals-type, query-param-name-contains-type, and query-param-name-ends-with-type are mutually exclusive

query-param-value-contains-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-contains-type

Description 'contains': query parameter value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-value-contains-type,query-param-value-equals-type, query-param-value-starts-with-type, and query-param-value-ends-with-type are mutually exclusive

query-param-value-ends-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-ends-with-type

Description 'ends-with': query parameter value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-value-ends-with-type,query-param-value-equals-type, query-param-value-contains-type, and query-param-value-starts-with-type are mutually exclusive

query-param-value-equals-string

Description query parameter value string, use "[no-value]" for empty query-param-value match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-equals-type

Description 'equals': query parameter value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-value-equals-type,query-param-value-contains-type, query-param-value-starts-with-type, and query-param-value-ends-with-type are mutually exclusive

query-param-value-starts-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-starts-with-type

Description 'starts-with': query parameter value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-value-starts-with-type,query-param-value-equals-type, query-param-value-contains-type, and query-param-value-ends-with-type are mutually exclusive

seq-num

Description Specify a sequence number

Type: number

Range: 1-8192

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

url-contains-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-contains-type

Description 'contains': URL contains string;

Type: string

Supported Values: contains

Mutual Exclusion: url-contains-type,url-equals-type, url-starts-with-type, and url-ends-with-type are mutually exclusive

url-ends-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-ends-with-type

Description 'ends-with': URL ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: url-ends-with-type,url-equals-type, url-contains-type, and url-starts-with-type are mutually exclusive

url-equals-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-equals-type

Description 'equals': URL equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: url-equals-type,url-contains-type, url-starts-with-type, and url-ends-with-type are mutually exclusive

url-starts-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-starts-with-type

Description 'starts-with': URL starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: url-starts-with-type,url-equals-type, url-contains-type, and url-ends-with-type are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location-match

Specification	Value
Type	*list*
Block object keys	

geo-location

Description Geolocation name

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

geo-location-service-group

Description Service Group to be used (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

2.120.274 slb template http-policy multi-match-rule

Multi-match-rule block

multi-match-rule Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*multi-match*
Collection Name	*multi-match-rule-list*
Collection URI	/axapi/v3/slb/template/http-policy/{name}/multi-match-rule
Element Name	multi-match-rule
Element URI	/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}
Element Attributes	multi-match-rule_attributes
Partition Visibility	shared
Schema	`multi-match-rule schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule

multi-match-rule attributes

Create List

POST

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule

multi-match-rule attributes

Get Object

GET

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}

multi-match-rule attributes

Get List

GET

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule

multi-match-rule-list

Modify Object

POST

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}

multi-match-rule attributes

Replace Object

PUT

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}

multi-match-rule attributes

Replace List

PUT

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule

multi-match-rule-list

Delete Object

DELETE

/axapi/v3/slb/template/http-policy/{name}/multi-match-rule/{multi-match}

multi-match-rule attributes

multi-match-rule-list

multi-match-rule-list is **JSON List** of *multi-match-rule attributes*

multi-match-rule-list : [

{ *multi-match-rule attributes* },

{ *multi-match-rule attributes* },

…

]

multi-match-rule attributes

cookie-name-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-contains-type

Description 'contains': Cookie name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-name-contains-type,cookie-name-equals-type, cookie-name-starts-with-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-ends-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-ends-with-type

Description 'ends-with': Cookie name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-name-ends-with-type,cookie-name-equals-type, cookie-name-contains-type, and cookie-name-starts-with-type are mutually exclusive

cookie-name-equals-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-equals-type

Description 'equals': Cookie name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-name-equals-type,cookie-name-contains-type, cookie-name-starts-with-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-starts-with-string

Description Cookie name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-name-starts-with-type

Description 'starts-with': Cookie name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-name-starts-with-type,cookie-name-equals-type, cookie-name-contains-type, and cookie-name-ends-with-type are mutually exclusive

cookie-name-value-match

Description When enabled, the rule will match only when both cookie-name and cookie-value matches with same cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cookie-value-contains-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-contains-type

Description 'contains': Cookie value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: cookie-value-contains-type,cookie-value-equals-type, cookie-value-starts-with-type, and cookie-value-ends-with-type are mutually exclusive

cookie-value-ends-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-ends-with-type

Description 'ends-with': Cookie value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: cookie-value-ends-with-type,cookie-value-equals-type, cookie-value-contains-type, and cookie-value-starts-with-type are mutually exclusive

cookie-value-equals-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-equals-type

Description 'equals': Cookie value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: cookie-value-equals-type,cookie-value-contains-type, cookie-value-starts-with-type, and cookie-value-ends-with-type are mutually exclusive

cookie-value-starts-with-string

Description Cookie value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

cookie-value-starts-with-type

Description 'starts-with': Cookie value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: cookie-value-starts-with-type,cookie-value-equals-type, cookie-value-contains-type, and cookie-value-ends-with-type are mutually exclusive

header-name-contains-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-contains-type

Description 'contains': Header name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-name-contains-type,header-name-equals-type, header-name-starts-with-type, and header-name-ends-with-type are mutually exclusive

header-name-ends-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-ends-with-type

Description 'ends-with': Header name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-name-ends-with-type,header-name-equals-type, header-name-contains-type, and header-name-starts-with-type are mutually exclusive

header-name-equals-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-equals-type

Description 'equals': Header name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-name-equals-type,header-name-contains-type, header-name-starts-with-type, and header-name-ends-with-type are mutually exclusive

header-name-starts-with-string

Description Header name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-name-starts-with-type

Description 'starts-with': Header name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-name-starts-with-type,header-name-equals-type, header-name-contains-type, and header-name-ends-with-type are mutually exclusive

header-name-value-match

Description When enabled, the rule will match only when both header-name and header-value matches with same header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

header-value-contains-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-contains-type

Description 'contains': Header value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: header-value-contains-type,header-value-equals-type, header-value-starts-with-type, and header-value-ends-with-type are mutually exclusive

header-value-ends-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-ends-with-type

Description 'ends-with': Header value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: header-value-ends-with-type,header-value-equals-type, header-value-contains-type, and header-value-starts-with-type are mutually exclusive

header-value-equals-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-equals-type

Description 'equals': Header value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: header-value-equals-type,header-value-contains-type, header-value-starts-with-type, and header-value-ends-with-type are mutually exclusive

header-value-starts-with-string

Description Header value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

header-value-starts-with-type

Description 'starts-with': Header value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: header-value-starts-with-type,header-value-equals-type, header-value-contains-type, and header-value-ends-with-type are mutually exclusive

host-contains-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-contains-type

Description 'contains': Host contains string;

Type: string

Supported Values: contains

Mutual Exclusion: host-contains-type,host-equals-type, host-starts-with-type, and host-ends-with-type are mutually exclusive

host-ends-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-ends-with-type

Description 'ends-with': Host ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: host-ends-with-type,host-equals-type, host-contains-type, and host-starts-with-type are mutually exclusive

host-equals-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-equals-type

Description 'equals': Host equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: host-equals-type,host-contains-type, host-starts-with-type, and host-ends-with-type are mutually exclusive

host-starts-with-string

Description Host string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

host-starts-with-type

Description 'starts-with': Host starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: host-starts-with-type,host-equals-type, host-contains-type, and host-ends-with-type are mutually exclusive

multi-match

Description Specify a multi-match-rule name

Type: string

Format: string-rlx

Maximum Length: 64 characters

Maximum Length: 1 characters

query-param-name-contains-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-contains-type

Description 'contains': query parameter name contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-name-contains-type,query-param-name-equals-type, query-param-name-starts-with-type, and query-param-name-ends-with-type are mutually exclusive

query-param-name-ends-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-ends-with-type

Description 'ends-with': query parameter name ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-name-ends-with-type,query-param-name-equals-type, query-param-name-contains-type, and query-param-name-starts-with-type are mutually exclusive

query-param-name-equals-string

Description query parameter name string, use "[no-name]" for empty query-param-name match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-equals-type

Description 'equals': query parameter name equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-name-equals-type,query-param-name-contains-type, query-param-name-starts-with-type, and query-param-name-ends-with-type are mutually exclusive

query-param-name-starts-with-string

Description query parameter name string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-name-starts-with-type

Description 'starts-with': query parameter name starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-name-starts-with-type,query-param-name-equals-type, query-param-name-contains-type, and query-param-name-ends-with-type are mutually exclusive

query-param-value-contains-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-contains-type

Description 'contains': query parameter value contains string;

Type: string

Supported Values: contains

Mutual Exclusion: query-param-value-contains-type,query-param-value-equals-type, query-param-value-starts-with-type, and query-param-value-ends-with-type are mutually exclusive

query-param-value-ends-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-ends-with-type

Description 'ends-with': query parameter value ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: query-param-value-ends-with-type,query-param-value-equals-type, query-param-value-contains-type, and query-param-value-starts-with-type are mutually exclusive

query-param-value-equals-string

Description query parameter value string, use "[no-value]" for empty query-param-value match

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-equals-type

Description 'equals': query parameter value equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: query-param-value-equals-type,query-param-value-contains-type, query-param-value-starts-with-type, and query-param-value-ends-with-type are mutually exclusive

query-param-value-starts-with-string

Description query parameter value string

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

query-param-value-starts-with-type

Description 'starts-with': query parameter value starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: query-param-value-starts-with-type,query-param-value-equals-type, query-param-value-contains-type, and query-param-value-ends-with-type are mutually exclusive

seq-num

Description Specify a sequence number

Type: number

Range: 1-8192

service-group

Description Service Group to be used (Service Group Name)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

url-contains-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-contains-type

Description 'contains': URL contains string;

Type: string

Supported Values: contains

Mutual Exclusion: url-contains-type,url-equals-type, url-starts-with-type, and url-ends-with-type are mutually exclusive

url-ends-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-ends-with-type

Description 'ends-with': URL ends-with string;

Type: string

Supported Values: ends-with

Mutual Exclusion: url-ends-with-type,url-equals-type, url-contains-type, and url-starts-with-type are mutually exclusive

url-equals-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-equals-type

Description 'equals': URL equals to string;

Type: string

Supported Values: equals

Mutual Exclusion: url-equals-type,url-contains-type, url-starts-with-type, and url-ends-with-type are mutually exclusive

url-starts-with-string

Description URL string

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

url-starts-with-type

Description 'starts-with': URL starts-with string;

Type: string

Supported Values: starts-with

Mutual Exclusion: url-starts-with-type,url-equals-type, url-contains-type, and url-ends-with-type are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.275 slb template imap-pop3

IMAP

imap-pop3 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*imap-pop3-list*
Collection URI	/axapi/v3/slb/template/imap-pop3
Element Name	imap-pop3
Element URI	/axapi/v3/slb/template/imap-pop3/{name}
Element Attributes	imap-pop3_attributes
Partition Visibility	shared
Schema	`imap-pop3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/imap-pop3

imap-pop3 attributes

```
POST /axapi/v3/slb/template/imap-pop3/
Payload:
{
    "imap-pop3": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/imap-pop3

imap-pop3 attributes

Get Object

GET

/axapi/v3/slb/template/imap-pop3/{name}

imap-pop3 attributes

```
GET /axapi/v3/slb/template/imap-pop3/a
Reponse:
{
    "imap-pop3": {
        "name": "a",
        "starttls": "disabled",
        "logindisabled": 0,
        "uuid": "a7b3f442-b652-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/imap-pop3/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/imap-pop3

imap-pop3-list

Modify Object

POST

/axapi/v3/slb/template/imap-pop3/{name}

imap-pop3 attributes

Replace Object

PUT

/axapi/v3/slb/template/imap-pop3/{name}

imap-pop3 attributes

```
PUT /axapi/v3/slb/template/imap-pop3/a
Payload:
{
    "imap-pop3": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/imap-pop3

imap-pop3-list

Delete Object

DELETE

/axapi/v3/slb/template/imap-pop3/{name}

imap-pop3 attributes

```
DELETE /axapi/v3/slb/template/imap-pop3/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

imap-pop3-list

imap-pop3-list is **JSON List** of *imap-pop3 attributes*

imap-pop3-list : [

{ *imap-pop3 attributes* },

{ *imap-pop3 attributes* },

...

]

imap-pop3 attributes

logindisabled

Description Disable Login before STARTTLS.Works only for imap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description IMAP-POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

starttls

Description 'disabled': Disable STARTTLS; 'optional': STARTTLS is optional requirement; 'enforced': Must issue STARTTLS command before imap transaction;

Type: string

Supported Values: disabled, optional, enforced

Default: disabled

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.276 slb template link-block-as-down

LACP Link-block will be treated as Link-down template

link-block-as-down Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	link-block-as-down
Element URI	/axapi/v3/slb/template/link-block-as-down
Element Attributes	link-block-as-down_attributes
Partition Visibility	shared
Schema	`link-block-as-down schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

```
POST /axapi/v3/slb/template/link-block-as-down
Payload:
{
    "link-block-as-down": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

```
GET /axapi/v3/slb/template/link-block-as-down
Reponse:
{
    "link-block-as-down": {
        "enable": 1,
        "uuid": "51729704-b62b-11ef-9219-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/link-block-as-down"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

Replace Object

PUT

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

```
PUT /axapi/v3/slb/template/link-block-as-down
Payload:
{
    "link-block-as-down": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/link-block-as-down

link-block-as-down attributes

```
DELETE /axapi/v3/slb/template/link-block-as-down
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

link-block-as-down attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.277 slb template link-cost

Server Link-Cost Template

link-cost Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*link-cost-list*
Collection URI	/axapi/v3/slb/template/link-cost
Element Name	link-cost
Element URI	/axapi/v3/slb/template/link-cost/{name}
Element Attributes	link-cost_attributes
Partition Visibility	shared
Schema	`link-cost schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-cost

link-cost attributes

```
POST /axapi/v3/slb/template/link-cost/
Payload:
{
    "link-cost": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/link-cost

link-cost attributes

Get Object

GET

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

```
GET /axapi/v3/slb/template/link-cost/a
Reponse:
{
    "link-cost": {
        "name": "a",
        "prepaid-bandwidth": 0,
        "overage-bandwidth-cost": 0,
        "bandwidth-interval": 5,
        "uuid": "04e6ea66-b653-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/link-cost/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/link-cost

link-cost-list

Modify Object

POST

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

Replace Object

PUT

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

```
PUT /axapi/v3/slb/template/link-cost/a
Payload:
{
    "link-cost": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/link-cost

link-cost-list

Delete Object

DELETE

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

```
DELETE /axapi/v3/slb/template/link-cost/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

link-cost-list

link-cost-list is **JSON List** of *link-cost attributes*

link-cost-list : [

{ *link-cost attributes* },

{ *link-cost attributes* },

...

]

link-cost attributes

bandwidth-interval

Description Interval duration in seconds

Type: number

Range: 1-60

Default: 5

name

Description Server Link-Cost Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

overage-bandwidth-cost

Description Configure overage bandwidth cost on real server (Overage bandwidth cost per Mbpi)

Type: number

Range: 0-4294967295

Default: 0

prepaid-bandwidth

Description Configure prepaid bandwidth on real server (Prepaid Bandwidth in Mbpi)

Type: number

Range: 0-4294967295

Default: 0

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'link_total_fwd_bytes': Total bytes fwd for link; 'interval_fwd_bytes': Link Cost bytes processed in forward direction per interval; 'link_total_conn': Link Cost total connection; 'interval_avg_throughput': Link Cost average throughput per interval; 'interval_max_throughput': Link Cost max throughput per interval;

Type: string

Supported Values: all, link_total_fwd_bytes, interval_fwd_bytes, link_total_conn, interval_avg_throughput, interval_max_throughput

2.120.278 slb template link-cost stats

Statistics for the object link-cost

link-cost Specification

Parameter	Value
Type	*Collection*
Collection Name	*link-cost-list*
Collection URI	/axapi/v3/slb/template/link-cost/{name}
Element Name	link-cost
Element URI	/axapi/v3/slb/template/link-cost/{name}/stats
Element Attributes	link-cost_attributes
Partition Visibility	None
Schema	`link-cost schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

Create List

POST

/axapi/v3/slb/template/link-cost/{name}

link-cost attributes

Get Object

GET

/axapi/v3/slb/template/link-cost/{name}/stats

link-cost attributes

Get List

GET

/axapi/v3/slb/template/link-cost/{name}

link-cost-list

Modify Object

POST

/axapi/v3/slb/template/link-cost/{name}/stats

link-cost attributes

Replace Object

PUT

/axapi/v3/slb/template/link-cost/{name}/stats

link-cost attributes

Replace List

PUT

/axapi/v3/slb/template/link-cost/{name}

link-cost-list

Delete Object

DELETE

/axapi/v3/slb/template/link-cost/{name}/stats

link-cost attributes

link-cost-list

link-cost-list is **JSON List** of *link-cost attributes*

```
link-cost-list : [
        { link-cost attributes },
        { link-cost attributes },
        ...
    ]
```

link-cost attributes

name

Description Server Link-Cost Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

interval_avg_throughput

Description Link Cost average throughput per interval

Type: number

Format: counter

interval_fwd_bytes

Description Link Cost bytes processed in forward direction per interval

Type: number

Format: counter

interval_max_throughput

Description Link Cost max throughput per interval

Type: number

Format: counter

link_total_conn

Description Link Cost total connection

Type: number

Format: counter

link_total_fwd_bytes

Description Total bytes fwd for link

Type: number

Format: counter

2.120.279 slb template link-down-on-restart

All Link event will be treated as Link-down template

link-down-on-restart Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	link-down-on-restart
Element URI	/axapi/v3/slb/template/link-down-on-restart
Element Attributes	link-down-on-restart_attributes
Partition Visibility	shared
Schema	`link-down-on-restart schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

```
POST /axapi/v3/slb/template/link-down-on-restart
Payload:
{
    "link-down-on-restart": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

```
GET /axapi/v3/slb/template/link-down-on-restart
Reponse:
{
    "link-down-on-restart": {
        "enable": 1,
        "uuid": "5172992a-b62b-11ef-9219-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/link-down-on-restart"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

Replace Object

PUT

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

```
PUT /axapi/v3/slb/template/link-down-on-restart
Payload:
{
    "link-down-on-restart": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/link-down-on-restart

link-down-on-restart attributes

```
DELETE /axapi/v3/slb/template/link-down-on-restart
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

link-down-on-restart attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.280 slb template link-probe

Link probe template

link-probe Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*link-probe-list*
Collection URI	/axapi/v3/slb/template/link-probe
Element Name	link-probe
Element URI	/axapi/v3/slb/template/link-probe/{name}
Element Attributes	link-probe_attributes
Partition Visibility	shared
Schema	`link-probe schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-probe

link-probe attributes

```
POST /axapi/v3/slb/template/link-probe/
Payload:
{
    "link-probe": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/link-probe

link-probe attributes

Get Object

GET

/axapi/v3/slb/template/link-probe/{name}

link-probe attributes

```
GET /axapi/v3/slb/template/link-probe/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "link-probe": {
        "name": "a",
        "url": "/",
        "rtt-method": "http-rtt",
        "expected-status-code": "200",
        "disable": 0,
        "probe-interval": 5,
        "probes-per-test": 5,
        "test-interval": 60,
        "selection-rule": "fastest-link-always",
        "uuid": "6c5f1b1e-b653-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/link-probe/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/link-probe

link-probe-list

Modify Object

POST

/axapi/v3/slb/template/link-probe/{name}

link-probe attributes

Replace Object

PUT

/axapi/v3/slb/template/link-probe/{name}

link-probe attributes

```
PUT /axapi/v3/slb/template/link-probe/a
Payload:
{
    "link-probe": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/link-probe

link-probe-list

Delete Object

DELETE

/axapi/v3/slb/template/link-probe/{name}

link-probe attributes

```
DELETE /axapi/v3/slb/template/link-probe/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

link-probe-list

link-probe-list is **JSON List** of *link-probe attributes*

link-probe-list : [

{ *link-probe attributes* },

{ *link-probe attributes* },

...

]

link-probe attributes

destination

Description: destination is a **JSON Block**. Please see below for *destination*

Type: Object

Reference Object: */axapi/v3/slb/template/link-probe/{name}/destination*

disable

Description Disable Probe template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

expected-status-code

Description Specify response code range (e.g. 200,400-430), default is 200 (Format is xx,xx-xx (xx between [100, 899]), default is 200)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: 200

name

Description probe template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

probe-interval

Description Time between each probe that needs to be sent out (in seconds, default is 5)

Type: number

Range: 1-7200

Default: 5

probes-per-test

Description Total number of probes to be sent out for each test

Type: number

Range: 1-10

Default: 5

rtt-method

Description 'http-rtt': Calculate Round Trip Time between HTTP request and response; 'tcp-srtt': Use TCP Smoothed round trip time in the HTTP connection;

Type: string

Supported Values: http-rtt, tcp-srtt

Default: http-rtt

selection-rule

Description 'threshold': Use all links below a threshold before selecting the fastest link; 'fastest-link-always': Always use the link with the lowest average latency;

Type: string

Supported Values: threshold, fastest-link-always

Default: fastest-link-always

test-interval

Description time interval between subsequent tests (in seconds, default is 60)

Type: number

Range: 1-7200

Default: 60

threshold-value

Description Use all links below a threshold before selecting the fastest link (RTT in milliseconds)

Type: number

Range: 0-65534

Default: 0

url

Description Specify URL to which probes should be sent out. Default is /

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Default: /

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination

Specification	Value
Type	*object*

hostname

Description Target Hostname

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve the configured hostname; 'resolve-to-ipv6': Use AAAA Query only to resolve the configured hostname;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6

Mutual Exclusion: resolve-as, static-ipv4-addr, and static-ipv6-addr are mutually exclusive

static-ipv4-addr

Description Target IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: static-ipv4-addr, resolve-as, and static-ipv6-addr are mutually exclusive

static-ipv6-addr

Description Target IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: static-ipv6-addr, resolve-as, and static-ipv4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.281 slb template link-probe destination

Specify Target type

destination Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	destination
Element URI	/axapi/v3/slb/template/link-probe/{name}/destination
Element Attributes	destination_attributes
Partition Visibility	shared
Schema	`destination schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

```
POST /axapi/v3/slb/template/link-probe/a/destination
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "destination": {
        "hostname": "a",
        "resolve-as": "resolve-to-ipv4"
    }
}
```

Get Object

GET

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

```
GET /axapi/v3/slb/template/link-probe/a/destination
Reponse:
{
    "destination": {
        "hostname": "a",
        "resolve-as": "resolve-to-ipv4",
        "uuid": "0ff41afe-b654-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/link-probe/a/destination"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

Replace Object

PUT

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

```
PUT /axapi/v3/slb/template/link-probe/a/destination
Payload:
{
    "destination": {
        "hostname": "a",
        "resolve-as": "resolve-to-ipv6"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/link-probe/{name}/destination

destination attributes

```
DELETE /axapi/v3/slb/template/link-probe/a/destination
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

destination attributes

hostname

Description Target Hostname

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

resolve-as

Description 'resolve-to-ipv4': Use A Query only to resolve the configured hostname; 'resolve-to-ipv6': Use AAAA Query only to resolve the configured hostname;

Type: string

Supported Values: resolve-to-ipv4, resolve-to-ipv6

Mutual Exclusion: resolve-as, static-ipv4-addr, and static-ipv6-addr are mutually exclusive

static-ipv4-addr

Description Target IPv4 Address

Type: string

Format: ipv4-address

Mutual Exclusion: static-ipv4-addr, resolve-as, and static-ipv6-addr are mutually exclusive

static-ipv6-addr

Description Target IPv6 Address

Type: string

Format: ipv6-address

Mutual Exclusion: static-ipv6-addr, resolve-as, and static-ipv4-addr are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.282 slb template logging

Logging template

logging Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-list*
Collection URI	/axapi/v3/slb/template/logging
Element Name	logging
Element URI	/axapi/v3/slb/template/logging/{name}
Element Attributes	logging_attributes
Partition Visibility	shared
Schema	`logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/logging

logging attributes

```
POST /axapi/v3/slb/template/logging/
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/logging

logging attributes

Get Object

GET

/axapi/v3/slb/template/logging/{name}

logging attributes

```
GET /axapi/v3/slb/template/logging/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "logging": {
        "name": "a",
        "local-logging": 0,
        "auto": "auto",
        "uuid": "43de95b0-b654-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/logging/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/logging

logging-list

Modify Object

POST

/axapi/v3/slb/template/logging/{name}

logging attributes

Replace Object

PUT

/axapi/v3/slb/template/logging/{name}

logging attributes

```
PUT /axapi/v3/slb/template/logging/a
Payload:
{
    "logging": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/logging

logging-list

Delete Object

DELETE

/axapi/v3/slb/template/logging/{name}

logging attributes

```
DELETE /axapi/v3/slb/template/logging/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

logging-list

logging-list is **JSON List** of *logging attributes*

logging-list : [

{ *logging attributes* },

{ *logging attributes* },

...

]

logging attributes

auto

Description 'auto': Configure auto NAT for logging, default is auto enabled;

Type: string

Supported Values: auto

Default: auto

Mutual Exclusion: auto and pool are mutually exclusive

format

Description Specify a format string for web logging (format string(less than 250 characters) for web logging)

Type: string

Format: string-rlx

Maximum Length: 250 characters

Maximum Length: 1 characters

keep-end

Description Number of unmasked characters at the end (default: 0)

Type: number

Range: 0-65535

Default: 0

keep-start

Description Number of unmasked characters at the beginning (default: 0)

Type: number

Range: 0-65535

Default: 0

local-logging

Description 1 to enable local logging (1 to enable local logging, default 0)

Type: number

Range: 0-1

Default: 0

mask

Description Character to mask the matched pattern (default: X)

Type: string

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: X

name

Description Logging Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pcre-mask

Description Mask matched PCRE pattern in the log

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: pool, shared-partition-pool, and auto are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

service-group

Description Bind a Service Group to the logging template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-pool

Description Reference a NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.283 slb template monitor

Monitor template

monitor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*id*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/slb/template/monitor
Element Name	monitor
Element URI	/axapi/v3/slb/template/monitor/{id}
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/monitor

monitor attributes

```
POST /axapi/v3/slb/template/monitor/
Payload:
{
    "monitor": {
        "id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/monitor

monitor attributes

Get Object

GET

/axapi/v3/slb/template/monitor/{id}

monitor attributes

```
GET /axapi/v3/slb/template/monitor/1
Reponse:
{
    "monitor": {
        "id": 1,
        "monitor-relation": "monitor-and",
        "uuid": "bbb02ca2-b654-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/monitor/1"
    }
}
```

Get List

GET

/axapi/v3/slb/template/monitor

monitor-list

Modify Object

POST

/axapi/v3/slb/template/monitor/{id}

monitor attributes

Replace Object

PUT

/axapi/v3/slb/template/monitor/{id}

monitor attributes

```
PUT /axapi/v3/slb/template/monitor/1
Payload:
{
    "monitor": {
        "id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/slb/template/monitor/{id}

monitor attributes

```
DELETE /axapi/v3/slb/template/monitor/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

clear-cfg

Specification	Value
Type	*list*
Block object keys	

clear-all-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-all-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

link-enable-cfg

Specification	Value
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

link-up-cfg

Specification	Value
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

link-down-cfg

Specification	Value
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

link-disable-cfg

Specification	Value
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the physical port number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

2.120.284 slb template mqtt

MQTT template

mqtt Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*mqtt-list*
Collection URI	/axapi/v3/slb/template/mqtt
Element Name	mqtt
Element URI	/axapi/v3/slb/template/mqtt/{name}
Element Attributes	mqtt_attributes
Partition Visibility	shared
Schema	`mqtt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/mqtt

mqtt attributes

```
POST /axapi/v3/slb/template/mqtt/
Payload:
{
    "mqtt": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/mqtt

mqtt attributes

Get Object

GET

/axapi/v3/slb/template/mqtt/{name}

mqtt attributes

```
GET /axapi/v3/slb/template/mqtt/a
Reponse:
{
    "mqtt": {
        "name": "a",
        "clientid-hash-persist": 0,
        "uuid": "708fbe9e-b655-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/mqtt/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/mqtt

mqtt-list

Modify Object

POST

/axapi/v3/slb/template/mqtt/{name}

mqtt attributes

Replace Object

PUT

/axapi/v3/slb/template/mqtt/{name}

mqtt attributes

```
PUT /axapi/v3/slb/template/mqtt/a
Payload:
{
    "mqtt": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/mqtt

mqtt-list

Delete Object

DELETE

/axapi/v3/slb/template/mqtt/{name}

mqtt attributes

```
DELETE /axapi/v3/slb/template/mqtt/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

mqtt-list

mqtt-list is **JSON List** of *mqtt attributes*

mqtt-list : [

{ *mqtt attributes* },

{ *mqtt attributes* },

...

]

mqtt attributes

clientid-hash-first

Description Use the begining part of client ID to calculate hash value (client ID string length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-last

Description Use the end part of Client ID to calculate hash value (Client ID length to calculate hash value)

Type: number

Range: 4-128

clientid-hash-offset

Description Skip part of Client ID to calculate hash value (Offset of the Client ID)

Type: number

Range: 0-255

clientid-hash-persist

Description Use Client ID's hash value to select server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description MQTT Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.285 slb template persist

Persistence

persist Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	persist
Element URI	/axapi/v3/slb/template/persist
Element Attributes	persist_attributes
Partition Visibility	shared
Schema	`persist schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/template/persist

persist_attributes

persist attributes

cookie-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/cookie/{name}*

destination-ip-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/destination-ip/{name}*

source-ip-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/source-ip/{name}*

ssl-sid-list

Type: List

Reference Object: */axapi/v3/slb/template/persist/ssl-sid/{name}*

destination-ip-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of destination IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Destination IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-ip-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-higher-priority

Description Enforce to use high priority node if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of source IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-dst-ip

Description Include destination IP on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-sport

Description Include source port on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Source IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

primary-port

Description Primary port to create the persist session

Type: number

Range: 1-65534

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-4321

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cookie-list

Specification	Value
Type	*list*
Block object keys	

cookie-name

Description Set cookie name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: sto-id

domain

Description Set cookie domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypt-level

Description Encryption level for cookie name / value

Type: number

Range: 0-1

Default: 1

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

expire

Description Set cookie expiration time (Expiration in seconds)

Type: number

Range: 0-31536000

Default: 31536000

httponly

Description Enable HttpOnly attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-always

Description Insert persist cookie to every reponse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persist for server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pass-phrase

Description Set passphrase for encryption

Type: string

Format: password

Maximum Length: 8 characters

Maximum Length: 8 characters

Default: ACOS4KEY

pass-thru

Description Pass thru mode - Server sends the persist cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

path

Description Set cookie path (Cookie path, default is "/")

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: /

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute;

Type: string

Supported Values: host, secure

samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

scan-all-members

Description Persist within the same server SCAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure

Description Enable secure attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

server-service-group

Description Persist to the same server and within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

use-attribute

Description 'max-age': Use the Max-Age attribute; 'expires': Use the Expires attribute; 'all': Use all attributes;

Type: string

Supported Values: max-age, expires, all

Default: expires

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-sid-list

Specification	Value
Type	*list*
Block object keys	

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SSL session ID persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.286 slb template persist cookie

Cookie persistence

cookie Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*cookie-list*
Collection URI	/axapi/v3/slb/template/persist/cookie
Element Name	cookie
Element URI	/axapi/v3/slb/template/persist/cookie/{name}
Element Attributes	cookie_attributes
Partition Visibility	shared
Schema	`cookie schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/persist/cookie

cookie attributes

```
POST /axapi/v3/slb/template/persist/cookie/
Payload:
{
    "cookie": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/persist/cookie

cookie attributes

Get Object

GET

/axapi/v3/slb/template/persist/cookie/{name}

cookie attributes

```
GET /axapi/v3/slb/template/persist/cookie/a
Reponse:
{
```

(continues on next page)

(continued from previous page)


```
    "cookie": {
        "name": "a",
        "dont-honor-conn-rules": 0,
        "expire": 31536000,
        "use-attribute": "expires",
        "insert-always": 0,
        "encrypt-level": 1,
        "encrypted": "B2kikkOahwKHmuSKL1Cl8FAO/03XRLGyNpeLzZD620VwbGhDsBGWdS0Z9N8LpB7b",
        "cookie-name": "sto-id",
        "path": "/",
        "pass-thru": 0,
        "secure": 0,
        "httponly": 0,
        "match-type": 0,
        "uuid": "e16155e2-b655-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/persist/cookie/a"
    }
}
```


Get List

GET

/axapi/v3/slb/template/persist/cookie

cookie-list

Modify Object

POST

/axapi/v3/slb/template/persist/cookie/{name}

cookie attributes

Replace Object

PUT

/axapi/v3/slb/template/persist/cookie/{name}

cookie attributes

```
PUT /axapi/v3/slb/template/persist/cookie/a
Payload:
{
    "cookie": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/persist/cookie

cookie-list

Delete Object

DELETE

/axapi/v3/slb/template/persist/cookie/{name}

cookie attributes

```
DELETE /axapi/v3/slb/template/persist/cookie/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

cookie-list

cookie-list is **JSON List** of *cookie attributes*

cookie-list : [

{ *cookie attributes* },

{ *cookie attributes* },

...

]

cookie attributes

cookie-name

Description Set cookie name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: sto-id

domain

Description Set cookie domain

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypt-level

Description Encryption level for cookie name / value

Type: number

Range: 0-1

Default: 1

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

expire

Description Set cookie expiration time (Expiration in seconds)

Type: number

Range: 0-31536000

Default: 31536000

httponly

Description Enable HttpOnly attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

insert-always

Description Insert persist cookie to every reponse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persist for server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pass-phrase

Description Set passphrase for encryption

Type: string

Format: password

Maximum Length: 8 characters

Maximum Length: 8 characters

Default: ACOS4KEY

pass-thru

Description Pass thru mode - Server sends the persist cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

path

Description Set cookie path (Cookie path, default is "/")

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

Default: /

prefix

Description 'host': the cookie will have been set with a Secure attribute, a Path attribute with a value of /, and no Domain attribute; 'secure': the cookie will have been set with a Secure attribute;

Type: string

Supported Values: host, secure

samesite

Description 'none': none; 'lax': lax; 'strict': strict;

Type: string

Supported Values: none, lax, strict

scan-all-members

Description Persist within the same server SCAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secure

Description Enable secure attribute

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

server-service-group

Description Persist to the same server and within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

use-attribute

Description 'max-age': Use the Max-Age attribute; 'expires': Use the Expires attribute; 'all': Use all attributes;

Type: string

Supported Values: max-age, expires, all

Default: expires

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.287 slb template persist destination-ip

Destination IP persistence

destination-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*destination-ip-list*
Collection URI	/axapi/v3/slb/template/persist/destination-ip
Element Name	destination-ip
Element URI	/axapi/v3/slb/template/persist/destination-ip/{name}
Element Attributes	destination-ip_attributes
Partition Visibility	shared
Schema	`destination-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/persist/destination-ip

destination-ip attributes

```
POST /axapi/v3/slb/template/persist/destination-ip/
Payload:
{
    "destination-ip": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/persist/destination-ip

destination-ip attributes

Get Object

GET

/axapi/v3/slb/template/persist/destination-ip/{name}

destination-ip attributes

```
GET /axapi/v3/slb/template/persist/destination-ip/a
Reponse:
{
    "destination-ip": {
        "name": "a",
        "dont-honor-conn-rules": 0,
        "hash-persist": 0,
        "match-type": 0,
        "timeout": 5,
        "netmask": "255.255.255.255",
        "netmask6": 128,
        "uuid": "761e4ee2-b656-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/persist/destination-ip/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/persist/destination-ip

destination-ip-list

Modify Object

POST

/axapi/v3/slb/template/persist/destination-ip/{name}

destination-ip attributes

Replace Object

PUT

/axapi/v3/slb/template/persist/destination-ip/{name}

destination-ip attributes

```
PUT /axapi/v3/slb/template/persist/destination-ip/a
Payload:
{
    "destination-ip": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/persist/destination-ip

destination-ip-list

Delete Object

DELETE

/axapi/v3/slb/template/persist/destination-ip/{name}

destination-ip attributes

```
DELETE /axapi/v3/slb/template/persist/destination-ip/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

destination-ip-list

destination-ip-list is **JSON List** of *destination-ip attributes*

destination-ip-list : [

{ *destination-ip attributes* },

{ *destination-ip attributes* },

...

]

destination-ip attributes

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of destination IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Destination IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.288 slb template persist source-ip

Source IP persistence

source-ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*source-ip-list*
Collection URI	/axapi/v3/slb/template/persist/source-ip
Element Name	source-ip
Element URI	/axapi/v3/slb/template/persist/source-ip/{name}
Element Attributes	source-ip_attributes
Partition Visibility	shared
Schema	`source-ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/persist/source-ip

source-ip attributes

```
POST /axapi/v3/slb/template/persist/source-ip/
Payload:
{
    "source-ip": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/persist/source-ip

source-ip attributes

Get Object

GET

/axapi/v3/slb/template/persist/source-ip/{name}

source-ip attributes

```
GET /axapi/v3/slb/template/persist/source-ip/a
Reponse:
{
    "source-ip": {
        "name": "a",
        "dont-honor-conn-rules": 0,
        "enforce-higher-priority": 0,
        "hash-persist": 0,
        "incl-dst-ip": 0,
        "incl-sport": 0,
        "timeout": 5,
        "netmask": "255.255.255.255",
        "netmask6": 128,
        "match-type": 0,
        "uuid": "d68afa00-b656-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/persist/source-ip/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/persist/source-ip

source-ip-list

Modify Object

POST

/axapi/v3/slb/template/persist/source-ip/{name}

source-ip attributes

Replace Object

PUT

/axapi/v3/slb/template/persist/source-ip/{name}

source-ip attributes

```
PUT /axapi/v3/slb/template/persist/source-ip/a
Payload:
{
    "source-ip": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/persist/source-ip

source-ip-list

Delete Object

DELETE

/axapi/v3/slb/template/persist/source-ip/{name}

source-ip attributes

```
DELETE /axapi/v3/slb/template/persist/source-ip/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

source-ip-list

source-ip-list is **JSON List** of *source-ip attributes*

source-ip-list : [

{ *source-ip attributes* },

{ *source-ip attributes* },

...

]

source-ip attributes

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enforce-higher-priority

Description Enforce to use high priority node if available

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

hash-persist

Description Use hash value of source IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-dst-ip

Description Include destination IP on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

incl-sport

Description Include source port on the persist

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-type

Description Persistence type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Source IP persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

Default: 255.255.255.255

netmask6

Description IPV6 subnet mask

Type: number

Range: 1-128

Default: 128

primary-port

Description Primary port to create the persist session

Type: number

Range: 1-65534

scan-all-members

Description Persist with SCAN of all members

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Persist to the same server, default is port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: server and service-group are mutually exclusive

service-group

Description Persist within the same service group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: service-group and server are mutually exclusive

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-4321

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.289 slb template persist ssl-sid

SSL session ID persistence

ssl-sid Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*ssl-sid-list*
Collection URI	/axapi/v3/slb/template/persist/ssl-sid
Element Name	ssl-sid
Element URI	/axapi/v3/slb/template/persist/ssl-sid/{name}
Element Attributes	ssl-sid_attributes
Partition Visibility	shared
Schema	`ssl-sid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/persist/ssl-sid

ssl-sid attributes

```
POST /axapi/v3/slb/template/persist/ssl-sid/
Payload:
{
    "ssl-sid": {
        "name": "a",
        "user-tag": "a"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Create List

POST

/axapi/v3/slb/template/persist/ssl-sid

ssl-sid attributes

Get Object

GET

/axapi/v3/slb/template/persist/ssl-sid/{name}

ssl-sid attributes

```
GET /axapi/v3/slb/template/persist/ssl-sid/a
Reponse:
{
    "ssl-sid": {
        "name": "a",
        "dont-honor-conn-rules": 0,
        "timeout": 5,
        "uuid": "52f08272-b657-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/persist/ssl-sid/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/persist/ssl-sid

ssl-sid-list

Modify Object

POST

/axapi/v3/slb/template/persist/ssl-sid/{name}

ssl-sid attributes

Replace Object

PUT

/axapi/v3/slb/template/persist/ssl-sid/{name}

ssl-sid attributes

```
PUT /axapi/v3/slb/template/persist/ssl-sid/a
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "ssl-sid": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/persist/ssl-sid

ssl-sid-list

Delete Object

DELETE

/axapi/v3/slb/template/persist/ssl-sid/{name}

ssl-sid attributes

```
DELETE /axapi/v3/slb/template/persist/ssl-sid/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl-sid-list

ssl-sid-list is **JSON List** of *ssl-sid attributes*

ssl-sid-list : [

{ *ssl-sid attributes* },

{ *ssl-sid attributes* },

...

]

ssl-sid attributes

dont-honor-conn-rules

Description Do not observe connection rate rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SSL session ID persistence template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

timeout

Description Persistence timeout (in minutes)

Type: number

Range: 1-2000

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.290 slb template policy

Policy config

policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*policy-list*
Collection URI	/axapi/v3/slb/template/policy
Element Name	policy
Element URI	/axapi/v3/slb/template/policy/{name}
Element Attributes	policy_attributes
Partition Visibility	shared
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy

policy attributes

```
POST /axapi/v3/slb/template/policy/
Payload:
{
    "policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/policy

policy attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}

policy attributes

```
GET /axapi/v3/slb/template/policy/a
Reponse:
{
    "policy": {
        "name": "a",
        "timeout": 5,
        "use-destination-ip": 0,
        "over-limit": 0,
        "overlap": 0,
        "share": 0,
        "full-domain-tree": 0,
        "uuid": "77246820-b657-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/policy/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/policy

policy-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}

policy attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}

policy attributes

```
PUT /axapi/v3/slb/template/policy/a
Payload:
{
    "policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/policy

policy-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}

policy attributes

```
DELETE /axapi/v3/slb/template/policy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

bw-list-id

Type: List

bw-list-name

Description Specify a blacklist/whitelist name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

class-list

Description: class-list is a **JSON Block**. Please see below for *class-list*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/class-list*

forward-policy

Description: forward-policy is a **JSON Block**. Please see below for *forward-policy*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy*

full-domain-tree

Description Share counters between geo-location and sub regions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description Log interval (minute)

Type: number

Range: 1-255

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

over-limit

Description Specify operation in case over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-lockup

Description Don't accept any new connection for certain time (Lockup duration (minute))

Type: number

Range: 1-127

over-limit-logging

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-reset

Description Reset the connection when it exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

overlap

Description Use overlap mode for geo-location to do longest match

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

share

Description Share counters between virtual ports and virtual servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Define timeout value of PBSLB dynamic entry (Timeout value (minute, default is 5))

Type: number

Range: 1-127

Default: 5

use-destination-ip

Description Use destination IP to match the policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy

Specification	Value
Type	*object*

acos-event-log

Description Enable acos event logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}*

dual-stack-action-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}*

enable-adv-match

Description Enable adv-match rules and deactive all the other kinds of destination rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filtering

Type: List

forward-http-connect-to-icap

Description Forward HTTP CONNECT request to ICAP server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-client-conn-reuse

Description Inspects only first request of a connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reqmod-icap

Description ICAP reqmod template (Reqmod ICAP Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/reqmod-icap*

require-web-category

Description Wait for web category to be resolved before taking proxy decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

san-filtering

Type: List

source-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_filtering

Specification	Value
Type	*list*
Block object keys	

ssli-url-filtering

Description 'bypassed-sni-disable': Disable SNI filtering for bypassed URL's(enabled by default); 'intercepted-sni-enable': Enable SNI filtering for intercepted URL's(disabled by default); 'intercepted-http-disable': Disable HTTP(host/URL) filtering for intercepted URL's(enabled by default); 'no-sni-allow': Allow connection if SNI filtering is enabled and SNI header is not present(Drop by default);

Type: string

Supported Values: bypassed-sni-disable, intercepted-sni-enable, intercepted-http-disable, no-sni-allow

forward-policy_san-filtering

Specification	Value
Type	*list*
Block object keys	

ssli-url-filtering-san

Description 'enable-san': Enable SAN filtering(disabled by default); 'bypassed-san-disable': Disable SAN filtering for bypassed URL's(enabled by default); 'intercepted-san-enable': Enable SAN filtering for intercepted URL's(disabled by default); 'no-san-allow': Allow connection if SAN filtering is enabled and SAN field is not present(Drop by default);

Type: string

Supported Values: enable-san, bypassed-san-disable, intercepted-san-enable, no-san-allow

forward-policy_action-list

Specification	Value
Type	*list*
Block object keys	

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'forward-to-proxy': Forward request to HTTP proxy server; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url, drop-response-code, and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fall-back-snat and fall-back-snat-pt-only are mutually exclusive

fall-back-snat-pt-only

Description Source port translation only for fallback server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fall-back-snat-pt-only and fall-back-snat are mutually exclusive

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-snat and forward-snat-pt-only are mutually exclusive

forward-snat-pt-only

Description Source port translation only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward-snat-pt-only and forward-snat are mutually exclusive

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_action-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

forward-policy_dual-stack-action-list

Specification	Value
Type	*list*
Block object keys	

fall-back

Description Fallback service group

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

fall-back-snat

Description Source NAT pool or pool group for fallback

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv4

Description IPv4 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv4-snat

Description IPv4 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv6

Description IPv6 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv6-snat

Description IPv6 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_dual-stack-action-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests forward by this action;

Type: string

Supported Values: all, hits

forward-policy_source-list

Specification	Value
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *forward-policy_source-list_destination*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_source-list_destination

Specification	Value
Type	*object*

adv-match-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}*

any

Description: any is a **JSON Block**. Please see below for *forward-policy_source-list_destination_any*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

forward-policy_source-list_destination_class-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': Match URL; 'ip': Match destination IP address;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_source-list_destination_web-category-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Web Category List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

forward-policy_source-list_destination_any

Specification	Value
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_source-list_destination_any_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

forward-policy_source-list_destination_adv-match-list

Specification	Value
Type	*list*
Block object keys	

action

Description Forwading action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

disable-reqmod-icap

Description Disable REQMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-respmod-icap

Description Disable RESPMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dual-stack-action

Description Forwarding action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

match-host

Description Match request host (HTTP stage) or SNI/SAN (SSL stage)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-encoding

Description Match the value of HTTP header "Content-Encoding"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-length-range-begin

Description Match the value of HTTP header "Content-Length" with an inclusive range

Type: number

Range: 0-2147483647

match-http-content-length-range-end

Description End of the "Content-Length" range

Type: number

Range: 0-2147483647

match-http-content-type

Description Match the value of HTTP header "Content-Type"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-header

Description Matching the name of all request headers

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-method-connect

Description Match HTTP request method CONNECT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-delete

Description Match HTTP request method DELETE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-get

Description Match HTTP request method GET

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-head

Description Match HTTP request method HEAD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-options

Description Match HTTP request method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-patch

Description Match HTTP request method PATCH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-post

Description Match HTTP request method POST

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-put

Description Match HTTP request method PUT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-trace

Description Match HTTP request method TRACE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-request-file-extension

Description Match file extension of URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url

Description Match URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url-regex

Description Match URI in HTTP request line by given regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-http-user-agent

Description Matching the value of HTTP header "User-Agent"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-address

Description Match target server IP address

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-port

Description Match target server port number

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port and match-server-port-range-begin are mutually exclusive

match-server-port-range-begin

Description Math targer server port range inclusively

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port-range-begin and match-server-port are mutually exclusive

match-server-port-range-end

Description End of port range

Type: number

Range: 1-65535

match-time-range

Description Enable rule in this time-range

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/time-range*

match-web-category-list

Description Match web-category list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

match-web-reputation-scope

Description Match web-reputation scope

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

notify-page

Description Send notify-page to client

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/notify-page*

priority

Description Rule priority (1000 is highest)

Type: number

Range: 1-1000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

forward-policy_source-list_destination_adv-match-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests hit this rule;

Type: string

Supported Values: all, hits

forward-policy_source-list_destination_web-reputation-scope-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

forward-policy_source-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

class-list

Specification	Value
Type	*object*

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name or geo-location-class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *class-list_lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list_lid-list_dns64

Specification	Value
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

class-list_lid-list_response-code-rate-limit

Specification	Value
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

bw-list-id

Specification	Value
Type	*list*
Block object keys	

action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

bw-list-action

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: bw-list-action and service-group are mutually exclusive

fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

id

Description Specify id that maps to service group (The id number)

Type: number

Range: 0-1023

logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pbslb-interval

Description Specify logging interval in minutes

Type: number

Range: 0-60

Default: 3

pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: service-group and bw-list-action are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'fwd-policy-dns-unresolved': Forward-policy unresolved DNS queries; 'fwd-policy-dns-outstanding': Forward-policy current DNS outstanding requests; 'fwd-policy-snat-fail': Forward-policy source-nat translation failure; 'fwd-policy-hits': Number of forward-policy requests for this policy template; 'fwd-policy-forward-to-internet': Number of forward-policy requests forwarded to internet; 'fwd-policy-forward-to-service-group': Number of forward-policy requests forwarded to service group; 'fwd-policy-forward-to-proxy': Number of forward-policy requests forwarded to proxy; 'fwd-policy-policy-drop': Number of forward-policy requests dropped; 'fwd-policy-source-match-not-found': Forward-policy requests without matching source rule; 'exp-client-hello-not-found': Expected Client HELLO requests not found;

Type: string

Supported Values: all, fwd-policy-dns-unresolved, fwd-policy-dns-outstanding, fwd-policy-snat-fail, fwd-policy-hits, fwd-policy-forward-to-internet, fwd-policy-forward-to-service-group, fwd-policy-forward-to-proxy, fwd-policy-policy-drop, fwd-policy-source-match-not-found, exp-client-hello-not-found

2.120.291 slb template policy class-list

Configure classification list

class-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	class-list
Element URI	/axapi/v3/slb/template/policy/{name}/class-list
Element Attributes	class-list_attributes
Partition Visibility	shared
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

```
POST /axapi/v3/slb/template/policy/a/class-list
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

```
GET /axapi/v3/slb/template/policy/a/class-list
Reponse:
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 1,
        "uuid": "a4565b28-b657-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/policy/a/class-list"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

```
PUT /axapi/v3/slb/template/policy/a/class-list
Payload:
{
    "class-list": {
        "name": "a",
        "client-ip-l3-dest": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/class-list

class-list attributes

```
DELETE /axapi/v3/slb/template/policy/a/class-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

class-list attributes

client-ip-l3-dest

Description Use destination IP as client IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l3-dest and client-ip-l7-header are mutually exclusive

client-ip-l7-header

Description Use extract client IP address from L7 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: client-ip-l7-header and client-ip-l3-dest are mutually exclusive

header-name

Description Specify L7 header name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

lid-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}*

name

Description Class list name or geo-location-class-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list

Specification	Value
Type	*list*
Block object keys	

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *lid-list_dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_dns64

Specification	Value
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

lid-list_response-code-rate-limit

Specification	Value
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

2.120.292 slb template policy class-list lid

Limit ID

lid Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*lidnum*
Collection Name	*lid-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/class-list/lid
Element Name	lid
Element URI	/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}
Element Attributes	lid_attributes
Partition Visibility	shared
Schema	`lid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/class-list/lid

lid attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/class-list/lid

lid attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/class-list/lid

lid-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/class-list/lid

lid-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/class-list/lid/{lidnum}

lid attributes

lid-list

lid-list is **JSON List** of *lid attributes*

lid-list : [

{ *lid attributes* },

{ *lid attributes* },

…

]

lid attributes

action-value

Description 'forward': Forward the traffic even it exceeds limit; 'reset': Reset the connection when it exceeds limit;

Type: string

Supported Values: forward, reset

bw-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

bw-rate-limit

Description Specify bandwidth rate limit (Bandwidth rate limit in bytes)

Type: number

Range: 1-2147483647

conn-limit

Description Connection limit

Type: number

Range: 0-1048575

conn-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

conn-rate-limit

Description Specify connection rate limit

Type: number

Range: 1-2147483647

direct-action

Description Set action when match the lid

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-action-interval

Description Specify logging interval in minute (default is 3)

Type: number

Range: 0-60

Default: 3

direct-action-value

Description 'drop': drop the packet; 'reset': Send reset back;

Type: string

Supported Values: drop, reset

Mutual Exclusion: direct-action-value and direct-service-group are mutually exclusive

direct-fail

Description Only log unsuccessful connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-logging-drp-rst

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-pbslb-interval

Description Specify logging interval in minutes(default is 3)

Type: number

Range: 0-60

Default: 3

direct-pbslb-logging

Description Configure PBSLB logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

direct-service-group

Description Specify a service group (Specify the service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: direct-service-group and direct-action-value are mutually exclusive

Reference Object: */axapi/v3/slb/service-group*

dns64

Description: dns64 is a **JSON Block**. Please see below for *dns64*

Type: Object

interval

Description Specify log interval in minutes, by default system will log every over limit instance

Type: number

Range: 1-255

lidnum

Description Specify a limit ID

Type: number

Range: 1-1023

lockout

Description Don't accept any new connection for certain time (Lockout duration in minutes)

Type: number

Range: 1-1023

log

Description Log a message

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

over-limit-action

Description Set action when exceeds limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

request-limit

Description Request limit (Specify request limit)

Type: number

Range: 1-1048575

request-per

Description Per (Specify interval in number of 100ms)

Type: number

Range: 1-65535

request-rate-limit

Description Request rate limit (Specify request rate limit)

Type: number

Range: 1-4294967295

response-code-rate-limit

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns64

Specification	Value
Type	*object*

disable

Description Disable

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

exclusive-answer

Description Exclusive Answer in DNS Response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix

Description IPv6 prefix

Type: string

Format: ipv6-address-plen

response-code-rate-limit

Specification	Value
Type	*list*
Block object keys	

code-range-end

Description server response code range end

Type: number

Range: 100-600

code-range-start

Description server response code range start

Type: number

Range: 100-600

period

Description seconds

Type: number

Range: 1-127

threshold

Description the times of getting the response code

Type: number

Range: 1-15

2.120.293 slb template policy forward-policy

Forward Policy commands

forward-policy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	forward-policy
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy
Element Attributes	forward-policy_attributes
Partition Visibility	shared
Schema	`forward-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

```
POST /axapi/v3/slb/template/policy/a/forward-policy
Payload:
{
    "forward-policy": {
        "no-client-conn-reuse": 1
    }
}
```

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

```
GET /axapi/v3/slb/template/policy/a/forward-policy
Reponse:
{
    "forward-policy": {
        "no-client-conn-reuse": 1,
        "acos-event-log": 0,
```

(continues on next page)

(continued from previous page)

```
        "local-logging": 0,
        "require-web-category": 0,
        "forward-http-connect-to-icap": 0,
        "enable-adv-match": 0,
        "uuid": "b026e836-b658-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/template/policy/a/forward-policy"
    }
}
```

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

```
PUT /axapi/v3/slb/template/policy/a/forward-policy
Payload:
{
    "forward-policy": {
        "no-client-conn-reuse": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy

forward-policy attributes

```
DELETE /axapi/v3/slb/template/policy/a/forward-policy
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

forward-policy attributes

acos-event-log

Description Enable acos event logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

action-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}*

dual-stack-action-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}*

enable-adv-match

Description Enable adv-match rules and deactive all the other kinds of destination rules

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

filtering

Type: List

forward-http-connect-to-icap

Description Forward HTTP CONNECT request to ICAP server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

local-logging

Description Enable local logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-client-conn-reuse

Description Inspects only first request of a connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reqmod-icap

Description ICAP reqmod template (Reqmod ICAP Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/reqmod-icap*

require-web-category

Description Wait for web category to be resolved before taking proxy decision

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

san-filtering

Type: List

source-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

filtering

Specification	Value
Type	*list*
Block object keys	

ssli-url-filtering

Description 'bypassed-sni-disable': Disable SNI filtering for bypassed URL's(enabled by default); 'intercepted-sni-enable': Enable SNI filtering for intercepted URL's(disabled by default); 'intercepted-http-disable': Disable HTTP(host/URL) filtering for intercepted URL's(enabled by default); 'no-sni-allow': Allow connection if SNI filtering is enabled and SNI header is not present(Drop by default);

Type: string

Supported Values: bypassed-sni-disable, intercepted-sni-enable, intercepted-http-disable, no-sni-allow

san-filtering

Specification	Value
Type	*list*
Block object keys	

ssli-url-filtering-san

Description 'enable-san': Enable SAN filtering(disabled by default); 'bypassed-san-disable': Disable SAN filtering for bypassed URL's(enabled by default); 'intercepted-san-enable': Enable SAN filtering for intercepted URL's(disabled by default); 'no-san-allow': Allow connection if SAN filtering is enabled and SAN field is not present(Drop by default);

Type: string

Supported Values: enable-san, bypassed-san-disable, intercepted-san-enable, no-san-allow

action-list

Specification	Value
Type	*list*
Block object keys	

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'forward-to-proxy': Forward request to HTTP proxy server; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url, drop-response-code, and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fall-back-snat and fall-back-snat-pt-only are mutually exclusive

fall-back-snat-pt-only

Description Source port translation only for fallback server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fall-back-snat-pt-only and fall-back-snat are mutually exclusive

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-snat and forward-snat-pt-only are mutually exclusive

forward-snat-pt-only

Description Source port translation only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward-snat-pt-only and forward-snat are mutually exclusive

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

dual-stack-action-list

Specification	Value
Type	*list*
Block object keys	

fall-back

Description Fallback service group

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

fall-back-snat

Description Source NAT pool or pool group for fallback

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv4

Description IPv4 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv4-snat

Description IPv4 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv6

Description IPv6 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv6-snat

Description IPv6 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dual-stack-action-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests forward by this action;

Type: string

Supported Values: all, hits

source-list

Specification	Value
Type	*list*
Block object keys	

destination

Description: destination is a **JSON Block**. Please see below for *source-list_destination*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-list_destination

Specification	Value
Type	*object*

adv-match-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}*

any

Description: any is a **JSON Block**. Please see below for *source-list_destination_any*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

source-list_destination_class-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': Match URL; 'ip': Match destination IP address;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-list_destination_web-category-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Web Category List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

source-list_destination_any

Specification	Value
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-list_destination_any_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

source-list_destination_adv-match-list

Specification	Value
Type	*list*
Block object keys	

action

Description Forwading action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

disable-reqmod-icap

Description Disable REQMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-respmod-icap

Description Disable RESPMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dual-stack-action

Description Forwarding action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

match-host

Description Match request host (HTTP stage) or SNI/SAN (SSL stage)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-encoding

Description Match the value of HTTP header "Content-Encoding"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-length-range-begin

Description Match the value of HTTP header "Content-Length" with an inclusive range

Type: number

Range: 0-2147483647

match-http-content-length-range-end

Description End of the "Content-Length" range

Type: number

Range: 0-2147483647

match-http-content-type

Description Match the value of HTTP header "Content-Type"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-header

Description Matching the name of all request headers

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-method-connect

Description Match HTTP request method CONNECT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-delete

Description Match HTTP request method DELETE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-get

Description Match HTTP request method GET

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-head

Description Match HTTP request method HEAD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-options

Description Match HTTP request method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-patch

Description Match HTTP request method PATCH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-post

Description Match HTTP request method POST

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-put

Description Match HTTP request method PUT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-trace

Description Match HTTP request method TRACE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-request-file-extension

Description Match file extension of URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url

Description Match URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url-regex

Description Match URI in HTTP request line by given regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-http-user-agent

Description Matching the value of HTTP header “User-Agent”

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-address

Description Match target server IP address

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-port

Description Match target server port number

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port and match-server-port-range-begin are mutually exclusive

match-server-port-range-begin

Description Math targer server port range inclusively

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port-range-begin and match-server-port are mutually exclusive

match-server-port-range-end

Description End of port range

Type: number

Range: 1-65535

match-time-range

Description Enable rule in this time-range

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/time-range*

match-web-category-list

Description Match web-category list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

match-web-reputation-scope

Description Match web-reputation scope

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

notify-page

Description Send notify-page to client

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/notify-page*

priority

Description Rule priority (1000 is highest)

Type: number

Range: 1-1000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

source-list_destination_adv-match-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests hit this rule;

Type: string

Supported Values: all, hits

source-list_destination_web-reputation-scope-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

source-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

2.120.294 slb template policy forward-policy action

action list

action Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*action-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/action
Element Name	action
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}
Element Attributes	action_attributes
Partition Visibility	shared
Schema	`action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action

action attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action

action attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/action

action-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/action

action-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

action-list

action-list is **JSON List** of *action attributes*

action-list : [

{ *action attributes* },

{ *action attributes* },

...

]

action attributes

action1

Description 'forward-to-internet': Forward request to Internet; 'forward-to-service-group': Forward request to service group; 'forward-to-proxy': Forward request to HTTP proxy server; 'drop': Drop request;

Type: string

Supported Values: forward-to-internet, forward-to-service-group, forward-to-proxy, drop

drop-message

Description drop-message sent to the client as webpage(html tags are included and quotation marks are required for white spaces)

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-message and drop-redirect-url are mutually exclusive

drop-redirect-url

Description Specify URL to which client request is redirected upon being dropped

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Mutual Exclusion: drop-redirect-url, drop-response-code, and drop-message are mutually exclusive

drop-response-code

Description Specify response code for drop action

Type: number

Range: 100-599

Mutual Exclusion: drop-response-code and drop-redirect-url are mutually exclusive

fake-sg

Description service group to forward the packets to Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back

Description Fallback service group for Internet

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

fall-back-snat

Description Source NAT pool or pool group for fallback server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: fall-back-snat and fall-back-snat-pt-only are mutually exclusive

fall-back-snat-pt-only

Description Source port translation only for fallback server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: fall-back-snat-pt-only and fall-back-snat are mutually exclusive

forward-snat

Description Source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: forward-snat and forward-snat-pt-only are mutually exclusive

forward-snat-pt-only

Description Source port translation only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: forward-snat-pt-only and forward-snat are mutually exclusive

http-status-code

Description '301': Moved permanently; '302': Found;

Type: string

Supported Values: 301, 302

Default: 302

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

proxy-chaining

Description Enable proxy chaining feature

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

proxy-chaining-bypass

Description Forward all https packets to upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

real-sg

Description service group to forward the packets

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

support-cert-fetch

Description Fetch server certificate by upstream proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

2.120.295 slb template policy forward-policy action stats

Statistics for the object action

action Specification

Parameter	Value
Type	*Collection*
Collection Name	*action-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}
Element Name	action
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}/stats
Element Attributes	action_attributes
Partition Visibility	None
Schema	`action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}/stats

action attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}/stats

action attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}/stats

action attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}

action-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/action/{name}/stats

action attributes

action-list

action-list is **JSON List** of *action attributes*

action-list : [

{ *action attributes* },

{ *action attributes* },

...

]

action attributes

name

Description Action policy name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of requests matching this destination rule

Type: number

Format: counter

2.120.296 slb template policy forward-policy dual-stack-action

Action to forward requests via IPv4 or IPv6 networks

dual-stack-action Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*dual-stack-action-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action
Element Name	dual-stack-action
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}
Element Attributes	dual-stack-action_attributes
Partition Visibility	shared
Schema	`dual-stack-action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action

dual-stack-action attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action

dual-stack-action attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}

dual-stack-action attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action

dual-stack-action-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}

dual-stack-action attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}

dual-stack-action attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action

dual-stack-action-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}

dual-stack-action attributes

dual-stack-action-list

dual-stack-action-list is **JSON List** of *dual-stack-action attributes*

dual-stack-action-list : [

{ *dual-stack-action attributes* },

{ *dual-stack-action attributes* },

...

]

dual-stack-action attributes

fall-back

Description Fallback service group

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

fall-back-snat

Description Source NAT pool or pool group for fallback

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv4

Description IPv4 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv4-snat

Description IPv4 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

ipv6

Description IPv6 service group to forward

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

ipv6-snat

Description IPv6 source NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/nat/pool*

log

Description enable logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Action name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests forward by this action;

Type: string

Supported Values: all, hits

2.120.297 slb template policy forward-policy dual-stack-action stats

Statistics for the object dual-stack-action

dual-stack-action Specification

Parameter	Value
Type	*Collection*
Collection Name	*dual-stack-action-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}
Element Name	dual-stack-action
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}/stats
Element Attributes	dual-stack-action_attributes
Partition Visibility	None
Schema	`dual-stack-action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}

dual-stack-action attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}

dual-stack-action attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}/stats

dual-stack-action attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}

dual-stack-action-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}/stats

dual-stack-action attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}/stats

dual-stack-action attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}

dual-stack-action-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/dual-stack-action/{name}/stats

dual-stack-action attributes

dual-stack-action-list

dual-stack-action-list is **JSON List** of *dual-stack-action attributes*

dual-stack-action-list : [

{ *dual-stack-action attributes* },

{ *dual-stack-action attributes* },

...

]

dual-stack-action attributes

name

Description Action name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of requests forward by this action

Type: number

Format: counter

2.120.298 slb template policy forward-policy source

proxy source list

source Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*source-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source
Element Name	source
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}
Element Attributes	source_attributes
Partition Visibility	shared
Schema	`source schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source

source attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source

source attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source

source-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source

source-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

source-list

source-list is **JSON List** of *source attributes*

source-list : [

{ *source attributes* },

{ *source attributes* },

…

]

source attributes

destination

Description: destination is a **JSON Block**. Please see below for *destination*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination*

match-any

Description Match any source

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: match-any and match-class-list are mutually exclusive

match-authorize-policy

Description Authorize-policy for user and group based policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authorization/policy*

match-class-list

Description Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: match-class-list and match-any are mutually exclusive

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority of the source(higher the number higher the priority, default 0)

Type: number

Range: 1-2000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination

Specification	Value
Type	*object*

adv-match-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}*

any

Description: any is a **JSON Block**. Please see below for *destination_any*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

destination_class-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': Match URL; 'ip': Match destination IP address;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination_web-category-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Web Category List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

destination_any

Specification	Value
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination_any_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

destination_adv-match-list

Specification	Value
Type	*list*
Block object keys	

action

Description Forwading action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

disable-reqmod-icap

Description Disable REQMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-respmod-icap

Description Disable RESPMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dual-stack-action

Description Forwarding action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

match-host

Description Match request host (HTTP stage) or SNI/SAN (SSL stage)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-encoding

Description Match the value of HTTP header “Content-Encoding”

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-length-range-begin

Description Match the value of HTTP header “Content-Length” with an inclusive range

Type: number

Range: 0-2147483647

match-http-content-length-range-end

Description End of the “Content-Length” range

Type: number

Range: 0-2147483647

match-http-content-type

Description Match the value of HTTP header "Content-Type"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-header

Description Matching the name of all request headers

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-method-connect

Description Match HTTP request method CONNECT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-delete

Description Match HTTP request method DELETE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-get

Description Match HTTP request method GET

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-head

Description Match HTTP request method HEAD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-options

Description Match HTTP request method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-patch

Description Match HTTP request method PATCH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-post

Description Match HTTP request method POST

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-put

Description Match HTTP request method PUT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-trace

Description Match HTTP request method TRACE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-request-file-extension

Description Match file extension of URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url

Description Match URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url-regex

Description Match URI in HTTP request line by given regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-http-user-agent

Description Matching the value of HTTP header "User-Agent"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-address

Description Match target server IP address

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-port

Description Match target server port number

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port and match-server-port-range-begin are mutually exclusive

match-server-port-range-begin

Description Math targer server port range inclusively

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port-range-begin and match-server-port are mutually exclusive

match-server-port-range-end

Description End of port range

Type: number

Range: 1-65535

match-time-range

Description Enable rule in this time-range

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/time-range*

match-web-category-list

Description Match web-category list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

match-web-reputation-scope

Description Match web-reputation scope

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

notify-page

Description Send notify-page to client

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/notify-page*

priority

Description Rule priority (1000 is highest)

Type: number

Range: 1-1000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

destination_adv-match-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests hit this rule;

Type: string

Supported Values: all, hits

destination_web-reputation-scope-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this source rule; 'destination-match-not-found': Number of requests without matching destination rule; 'no-host-info': Failed to parse ip or host information from request;

Type: string

Supported Values: all, hits, destination-match-not-found, no-host-info

2.120.299 slb template policy forward-policy source destination

proxy destination match rule

destination Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	destination
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination
Element Attributes	destination_attributes
Partition Visibility	shared
Schema	`destination schema`

Operations Allowed:

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination

destination_attributes

destination attributes

adv-match-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}*

any

Description: any is a **JSON Block**. Please see below for *any*

Type: Object

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any*

class-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}*

web-category-list-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}*

web-reputation-scope-list

Type: List

Reference Object: */axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}*

class-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': Match URL; 'ip': Match destination IP address;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Web Category List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

any

Specification	Value
Type	*object*

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

any_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

adv-match-list

Specification	Value
Type	*list*
Block object keys	

action

Description Forwading action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

disable-reqmod-icap

Description Disable REQMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-respmod-icap

Description Disable RESPMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dual-stack-action

Description Forwarding action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

match-host

Description Match request host (HTTP stage) or SNI/SAN (SSL stage)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-encoding

Description Match the value of HTTP header “Content-Encoding”

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-length-range-begin

Description Match the value of HTTP header “Content-Length” with an inclusive range

Type: number

Range: 0-2147483647

match-http-content-length-range-end

Description End of the “Content-Length” range

Type: number

Range: 0-2147483647

match-http-content-type

Description Match the value of HTTP header "Content-Type"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-header

Description Matching the name of all request headers

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-method-connect

Description Match HTTP request method CONNECT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-delete

Description Match HTTP request method DELETE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-get

Description Match HTTP request method GET

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-head

Description Match HTTP request method HEAD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-options

Description Match HTTP request method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-patch

Description Match HTTP request method PATCH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-post

Description Match HTTP request method POST

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-put

Description Match HTTP request method PUT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-trace

Description Match HTTP request method TRACE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-request-file-extension

Description Match file extension of URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url

Description Match URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url-regex

Description Match URI in HTTP request line by given regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-http-user-agent

Description Matching the value of HTTP header "User-Agent"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-address

Description Match target server IP address

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-port

Description Match target server port number

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port and match-server-port-range-begin are mutually exclusive

match-server-port-range-begin

Description Math targer server port range inclusively

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port-range-begin and match-server-port are mutually exclusive

match-server-port-range-end

Description End of port range

Type: number

Range: 1-65535

match-time-range

Description Enable rule in this time-range

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/time-range*

match-web-category-list

Description Match web-category list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

match-web-reputation-scope

Description Match web-reputation scope

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

notify-page

Description Send notify-page to client

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/notify-page*

priority

Description Rule priority (1000 is highest)

Type: number

Range: 1-1000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

adv-match-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests hit this rule;

Type: string

Supported Values: all, hits

web-reputation-scope-list

Specification	Value
Type	*list*
Block object keys	

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

2.120.300 slb template policy forward-policy source destination adv-match

Advanced match rule

adv-match Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*priority*
Collection Name	*adv-match-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match
Element Name	adv-match
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}
Element Attributes	adv-match_attributes
Partition Visibility	shared
Schema	`adv-match schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match

adv-match attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match

adv-match attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}

adv-match attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match

adv-match-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}

adv-match attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}

adv-match attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match

adv-match-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}

adv-match attributes

adv-match-list

adv-match-list is **JSON List** of *adv-match attributes*

```
adv-match-list : [
        { adv-match attributes },
        { adv-match attributes },
        ...
    ]
```

adv-match attributes

action

Description Forwading action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

disable-reqmod-icap

Description Disable REQMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-respmod-icap

Description Disable RESPMOD ICAP template

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dual-stack-action

Description Forwarding action of this rule

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

match-host

Description Match request host (HTTP stage) or SNI/SAN (SSL stage)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-encoding

Description Match the value of HTTP header “Content-Encoding”

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-content-length-range-begin

Description Match the value of HTTP header "Content-Length" with an inclusive range

Type: number

Range: 0-2147483647

match-http-content-length-range-end

Description End of the "Content-Length" range

Type: number

Range: 0-2147483647

match-http-content-type

Description Match the value of HTTP header "Content-Type"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-header

Description Matching the name of all request headers

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-method-connect

Description Match HTTP request method CONNECT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-delete

Description Match HTTP request method DELETE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-get

Description Match HTTP request method GET

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-head

Description Match HTTP request method HEAD

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-options

Description Match HTTP request method OPTIONS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-patch

Description Match HTTP request method PATCH

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-post

Description Match HTTP request method POST

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-put

Description Match HTTP request method PUT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-method-trace

Description Match HTTP request method TRACE

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

match-http-request-file-extension

Description Match file extension of URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url

Description Match URL in HTTP request line

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-http-url-regex

Description Match URI in HTTP request line by given regular expression

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

match-http-user-agent

Description Matching the value of HTTP header "User-Agent"

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-address

Description Match target server IP address

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

match-server-port

Description Match target server port number

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port and match-server-port-range-begin are mutually exclusive

match-server-port-range-begin

Description Math targer server port range inclusively

Type: number

Range: 1-65535

Mutual Exclusion: match-server-port-range-begin and match-server-port are mutually exclusive

match-server-port-range-end

Description End of port range

Type: number

Range: 1-65535

match-time-range

Description Enable rule in this time-range

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/time-range*

match-web-category-list

Description Match web-category list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

match-web-reputation-scope

Description Match web-reputation scope

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

notify-page

Description Send notify-page to client

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/forward-proxy/notify-page*

priority

Description Rule priority (1000 is highest)

Type: number

Range: 1-1000

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests hit this rule;

Type: string

Supported Values: all, hits

2.120.301 slb template policy forward-policy source destination adv-match stats

Statistics for the object adv-match

adv-match Specification

Parameter	Value
Type	*Collection*
Collection Name	*adv-match-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}
Element Name	adv-match
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}/stats
Element Attributes	adv-match_attributes
Partition Visibility	None
Schema	`adv-match schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}

adv-match attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}

adv-match attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}/stats

adv-match attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}

adv-match-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}/stats

adv-match attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}/stats

adv-match attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}

adv-match-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/adv-match/{priority}/stats

adv-match attributes

adv-match-list

adv-match-list is **JSON List** of *adv-match attributes*

adv-match-list : [

{ *adv-match attributes* },

{ *adv-match attributes* },

...

]

adv-match attributes

priority

Description Rule priority (1000 is highest)

Type: number

Range: 1-1000

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of requests hit this rule

Type: number

Format: counter

2.120.302 slb template policy forward-policy source destination any

Default destination match rule

any Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	any
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any
Element Attributes	any_attributes
Partition Visibility	shared
Schema	`any schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any

any attributes

any attributes

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: action and dual-stack-action are mutually exclusive

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: dual-stack-action and action are mutually exclusive

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hits': Number of requests matching this destination rule;

Type: string

Supported Values: all, hits

2.120.303 slb template policy forward-policy source destination any stats

Statistics for the object any

any Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	any
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any/stats
Element Attributes	any_attributes
Partition Visibility	None
Schema	`any schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any/stats

any attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any/stats

any attributes

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any/stats

any attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any/stats

any attributes

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/any/stats

any attributes

any attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of requests matching this destination rule

Type: number

Format: counter

2.120.304 slb template policy forward-policy source destination class-list

Configure class-list for destination matching

class-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*dest-class-list*
Collection Name	*class-list-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list
Element Name	class-list
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}
Element Attributes	class-list_attributes
Partition Visibility	shared
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list

class-list attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list

class-list attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list

class-list-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list

class-list-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

class-list-list

class-list-list is **JSON List** of *class-list attributes*

```
class-list-list : [
        { class-list attributes },
        { class-list attributes },
        ...
    ]
```

class-list attributes

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': Match URL; 'ip': Match destination IP address;

Type: string

Supported Values: host, url, ip

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.305 slb template policy forward-policy source destination class-list stats

Statistics for the object class-list

class-list Specification

Parameter	Value
Type	*Collection*
Collection Name	*class-list-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}
Element Name	class-list
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}/stats
Element Attributes	class-list_attributes
Partition Visibility	None
Schema	`class-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}/stats

class-list attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}/stats

class-list attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}/stats

class-list attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}

class-list-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/class-list/{dest-class-list}/stats

class-list attributes

class-list-list

class-list-list is **JSON List** of *class-list attributes*

```
class-list-list : [
        { class-list attributes },
        { class-list attributes },
        ...
    ]
```

class-list attributes

dest-class-list

Description Destination Class List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hits

Description Number of requests matching this destination rule

Type: number

Format: counter

2.120.306 slb template policy forward-policy source destination web-category-list

Configure web-category category-list for destination matching

web-category-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*web-category-list*
Collection Name	*web-category-list-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list
Element Name	web-category-list
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}
Element Attributes	web-category-list_attributes
Partition Visibility	shared
Schema	`web-category-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list

web-category-list attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list

web-category-list attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list

web-category-list-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list

web-category-list-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

web-category-list-list

web-category-list-list is **JSON List** of *web-category-list attributes*

```
web-category-list-list : [
        { web-category-list attributes },
        { web-category-list attributes },
        ...
    ]
```

web-category-list attributes

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-category-list

Description Destination Web Category List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

2.120.307 slb template policy forward-policy source destination web-category-list stats

Statistics for the object web-category-list

web-category-list Specification

Parameter	Value
Type	*Collection*
Collection Name	*web-category-list-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}
Element Name	web-category-list
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}/stats
Element Attributes	web-category-list_attributes
Partition Visibility	None
Schema	`web-category-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}/stats

web-category-list attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}/stats

web-category-list attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}/stats

web-category-list attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}

web-category-list-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-category-list/{web-category-list}/stats

web-category-list attributes

web-category-list-list

web-category-list-list is **JSON List** of *web-category-list attributes*

web-category-list-list : [

{ *web-category-list attributes* },

{ *web-category-list attributes* },

...

]

web-category-list attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

web-category-list

Description Destination Web Category List Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Specification	Value
Type	*object*

hits

Description Number of requests matching this destination rule

Type: number

Format: counter

2.120.308 slb template policy forward-policy source destination web-reputation-scope

Configure web-category reputation-scope for destination matching

web-reputation-scope Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*web-reputation-scope*
Collection Name	*web-reputation-scope-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope
Element Name	web-reputation-scope
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}
Element Attributes	web-reputation-scope_attributes
Partition Visibility	shared
Schema	`web-reputation-scope schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope

web-reputation-scope attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope

web-reputation-scope attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope

web-reputation-scope-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope

web-reputation-scope-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

web-reputation-scope-list

web-reputation-scope-list is **JSON List** of *web-reputation-scope attributes*

web-reputation-scope-list : [

{ *web-reputation-scope attributes* },

{ *web-reputation-scope attributes* },

...

]

web-reputation-scope attributes

action

Description Action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

dual-stack-action

Description Dual-stack action to be performed

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

priority

Description Priority value of the action(higher the number higher the priority)

Type: number

Range: 1-1024

type

Description 'host': Match hostname; 'url': match URL;

Type: string

Supported Values: host, url

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/reputation-scope*

2.120.309 slb template policy forward-policy source destination web-reputation-scope stats

Statistics for the object web-reputation-scope

web-reputation-scope Specification

Parameter	Value
Type	*Collection*
Collection Name	*web-reputation-scope-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}
Element Name	web-reputation-scope
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}/stats
Element Attributes	web-reputation-scope_attributes
Partition Visibility	None
Schema	`web-reputation-scope schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}/stats

web-reputation-scope attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}/stats

web-reputation-scope attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}/stats

web-reputation-scope attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}

web-reputation-scope-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/destination/web-reputation-scope/{web-reputation-scope}/stats

web-reputation-scope attributes

web-reputation-scope-list

web-reputation-scope-list is **JSON List** of *web-reputation-scope attributes*

web-reputation-scope-list : [

{ *web-reputation-scope attributes* },

{ *web-reputation-scope attributes* },

...

]

web-reputation-scope attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

web-reputation-scope

Description Destination Web Reputation Scope Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Specification	Value
Type	*object*

hits

Description Number of requests matching this destination rule

Type: number

Format: counter

2.120.310 slb template policy forward-policy source stats

Statistics for the object source

source Specification

Parameter	Value
Type	*Collection*
Collection Name	*source-list*
Collection URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}
Element Name	source
Element URI	/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/stats
Element Attributes	source_attributes
Partition Visibility	None
Schema	`source schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/stats

source attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/stats

source attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/stats

source attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}

source-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/forward-policy/source/{name}/stats

source attributes

source-list

source-list is **JSON List** of *source attributes*

source-list : [

{ *source attributes* },

{ *source attributes* },

...

]

source attributes

name

Description source destination match rule name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

destination-match-not-found

Description Number of requests without matching destination rule

Type: number

Format: counter

hits

Description Number of requests matching this source rule

Type: number

Format: counter

no-host-info

Description Failed to parse ip or host information from request

Type: number

Format: counter

2.120.311 slb template policy stats

Statistics for the object policy

policy Specification

Parameter	Value
Type	*Collection*
Collection Name	*policy-list*
Collection URI	/axapi/v3/slb/template/policy/{name}
Element Name	policy
Element URI	/axapi/v3/slb/template/policy/{name}/stats
Element Attributes	policy_attributes
Partition Visibility	None
Schema	`policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/policy/{name}

policy attributes

Create List

POST

/axapi/v3/slb/template/policy/{name}

policy attributes

Get Object

GET

/axapi/v3/slb/template/policy/{name}/stats

policy attributes

Get List

GET

/axapi/v3/slb/template/policy/{name}

policy-list

Modify Object

POST

/axapi/v3/slb/template/policy/{name}/stats

policy attributes

Replace Object

PUT

/axapi/v3/slb/template/policy/{name}/stats

policy attributes

Replace List

PUT

/axapi/v3/slb/template/policy/{name}

policy-list

Delete Object

DELETE

/axapi/v3/slb/template/policy/{name}/stats

policy attributes

policy-list

policy-list is **JSON List** of *policy attributes*

policy-list : [

{ *policy attributes* },

{ *policy attributes* },

...

]

policy attributes

name

Description Policy template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

exp-client-hello-not-found

Description Expected Client HELLO requests not found

Type: number

Format: counter

fwd-policy-dns-outstanding

Description Forward-policy current DNS outstanding requests

Type: number

Format: counter

fwd-policy-dns-unresolved

Description Forward-policy unresolved DNS queries

Type: number

Format: counter

fwd-policy-forward-to-internet

Description Number of forward-policy requests forwarded to internet

Type: number

Format: counter

fwd-policy-forward-to-proxy

Description Number of forward-policy requests forwarded to proxy

Type: number

Format: counter

fwd-policy-forward-to-service-group

Description Number of forward-policy requests forwarded to service group

Type: number

Format: counter

fwd-policy-hits

Description Number of forward-policy requests for this policy template

Type: number

Format: counter

fwd-policy-policy-drop

Description Number of forward-policy requests dropped

Type: number

Format: counter

fwd-policy-snat-fail

Description Forward-policy source-nat translation failure

Type: number

Format: counter

fwd-policy-source-match-not-found

Description Forward-policy requests without matching source rule

Type: number

Format: counter

2.120.312 slb template port

Port template

port Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/template/port
Element Name	port
Element URI	/axapi/v3/slb/template/port/{name}
Element Attributes	port_attributes
Partition Visibility	shared
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/port

port attributes

```
POST /axapi/v3/slb/template/port/
Payload:
{
    "port": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/port

port attributes

Get Object

GET

/axapi/v3/slb/template/port/{name}

port attributes

```
GET /axapi/v3/slb/template/port/a
Reponse:
{
    "port": {
        "name": "a",
        "conn-limit": 64000000,
        "conn-limit-no-logging": 0,
        "dest-nat": 0,
        "del-session-on-server-down": 0,
        "dynamic-member-priority": 16,
        "decrement": 0,
        "extended-stats": 0,
        "no-ssl": 0,
        "stats-data-action": "stats-data-enable",
        "health-check-disable": 0,
        "inband-health-check": 0,
        "weight": 1,
        "sub-group": 0,
        "slow-start": 0,
        "uuid": "675c296a-b65b-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/port/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/port

port-list

Modify Object

POST

/axapi/v3/slb/template/port/{name}

port attributes

Replace Object

PUT

/axapi/v3/slb/template/port/{name}

port attributes

```
PUT /axapi/v3/slb/template/port/a
Payload:
{
    "port": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/port

port-list

Delete Object

DELETE

/axapi/v3/slb/template/port/{name}

port attributes

```
DELETE /axapi/v3/slb/template/port/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server port (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dampening-flaps

Description service dampening flaps count (max-flaps allowed in flap period)

Type: number

Range: 1-255

decrement

Description Decrease after every round of DNS query (default is 0)

Type: number

Range: 0-7

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-nat

Description Destination NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down-grace-period

Description Port down grace period (Down grace period in seconds)

Type: number

Range: 1-86400

down-timer

Description The timer to bring the marked down server/port to up (default is 0, never bring up) (The timer to bring up server (in second, default is 0))

Type: number

Range: 0-255

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

dynamic-member-priority

Description Set dynamic member's priority (Initial priority (default is 16))

Type: number

Range: 1-16

Default: 16

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

flap-period

Description take service out of rotation if max-flaps exceeded within time in seconds

Type: number

Range: 1-255

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

inband-health-check

Description Use inband traffic to detect port's health status

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

name

Description Port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

no-ssl

Description No SSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reassign

Description Maximum reassign times before declear the server/port down (default is 25) (The maximum reassign number)

Type: number

Range: 0-255

Default: 25

request-rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

request-rate-limit

Description Request rate limit

Type: number

Range: 1-1048575

request-rate-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resel-on-reset

Description When receiving reset from server, do the server/port reselection (default is 0, don't do reselection)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restore-svc-time

Description put the service back to the rotation after time in seconds

Type: number

Range: 1-4095

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

retry

Description Maximum retry times before reassign this connection to another server/port (default is 2) (The maximum retry number)

Type: number

Range: 0-7

Default: 2

shared-partition-pool

Description Reference a NAT pool or pool-group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and source-nat are mutually exclusive

slow-start

Description Slowly ramp up the connection number after port is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

source-nat

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: source-nat and shared-partition-pool are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server port; 'stats-data-disable': Disable statistical data collection for real server port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

sub-group

Description Divide service group members into different sub groups (Sub group ID (default is 0))

Type: number

Range: 0-15

Default: 0

template-port-pool-shared

Description Source NAT (IP NAT Pool or pool group name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight (port weight)

Type: number

Range: 1-1000

Default: 1

2.120.313 slb template quic

QUIC template

quic Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*quic-list*
Collection URI	/axapi/v3/slb/template/quic
Element Name	quic
Element URI	/axapi/v3/slb/template/quic/{name}
Element Attributes	quic_attributes
Partition Visibility	shared
Schema	`quic schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/quic

quic attributes

```
POST /axapi/v3/slb/template/quic/
Payload:
{
    "quic": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/quic

quic attributes

Get Object

GET

/axapi/v3/slb/template/quic/{name}

quic attributes

```
GET /axapi/v3/slb/template/quic/a
Reponse:
{
    "quic": {
        "name": "a",
        "server-retry": 0,
        "key-update-to-client": 0,
        "key-update-to-server": 0,
        "uuid": "c3395446-b65c-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/quic/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/quic

quic-list

Modify Object

POST

/axapi/v3/slb/template/quic/{name}

quic attributes

Replace Object

PUT

/axapi/v3/slb/template/quic/{name}

quic attributes

```
PUT /axapi/v3/slb/template/quic/a
Payload:
{
    "quic": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/quic

quic-list

Delete Object

DELETE

/axapi/v3/slb/template/quic/{name}

quic attributes

```
DELETE /axapi/v3/slb/template/quic/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

quic-list

quic-list is **JSON List** of *quic attributes*

quic-list : [

{ *quic attributes* },

{ *quic attributes* },

...

]

quic attributes

burst-len

Description Number of burst packet, default 16

Type: number

Range: 16-360

connection-id-length

Description Connection id length in byte, default 8 bytes

Type: number

Range: 1-20

idle-timeout

Description Idle Timeout (interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-3600

initial-wnd

Description Initial window size in byte, default 10000 (Initial window size, default 10000)

Type: number

Range: 10000-100000

key-update-to-client

Description Initiate key update on the client-side

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

key-update-to-server

Description Initiate key update on the server-side

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description QUIC Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

receive-buffer

Description Receive buffer size in byte, default 200000 (Receive buffer size, default 200000)

Type: number

Range: 30000-400000

server-retry

Description Enable server retry

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.314 slb template reqmod-icap

REQMOD ICAP template

reqmod-icap Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*reqmod-icap-list*
Collection URI	/axapi/v3/slb/template/reqmod-icap
Element Name	reqmod-icap
Element URI	/axapi/v3/slb/template/reqmod-icap/{name}
Element Attributes	reqmod-icap_attributes
Partition Visibility	shared
Schema	`reqmod-icap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/reqmod-icap

reqmod-icap attributes

```
POST /axapi/v3/slb/template/reqmod-icap/
Payload:
{
    "reqmod-icap": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/reqmod-icap

reqmod-icap attributes

Get Object

GET

/axapi/v3/slb/template/reqmod-icap/{name}

reqmod-icap attributes

```
GET /axapi/v3/slb/template/reqmod-icap/a
Reponse:
{
    "reqmod-icap": {
        "name": "a",
        "include-protocol-in-uri": 0,
        "fail-close": 0,
        "min-payload-size": 0,
        "preview": 32768,
        "disable-http-server-reset": 0,
        "x-auth-url": 0,
        "log-only-allowed-method": 0,
        "uuid": "1942b940-b65d-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/reqmod-icap/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/reqmod-icap

reqmod-icap-list

Modify Object

POST

/axapi/v3/slb/template/reqmod-icap/{name}

reqmod-icap attributes

Replace Object

PUT

/axapi/v3/slb/template/reqmod-icap/{name}

reqmod-icap attributes

```
PUT /axapi/v3/slb/template/reqmod-icap/a
Payload:
{
    "reqmod-icap": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/reqmod-icap

reqmod-icap-list

Delete Object

DELETE

/axapi/v3/slb/template/reqmod-icap/{name}

reqmod-icap attributes

```
DELETE /axapi/v3/slb/template/reqmod-icap/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

reqmod-icap-list

reqmod-icap-list is **JSON List** of *reqmod-icap attributes*

reqmod-icap-list : [

{ *reqmod-icap attributes* },

{ *reqmod-icap attributes* },

...

]

reqmod-icap attributes

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

allowed-http-methods

Description List of allowed HTTP methods. Default is "Allow All". (List of HTTP methods allowed (default "Allow All"))

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 0 - 65535, default is 0

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass reqmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

2.120.315 slb template respmod-icap

RESPMOD ICAP template

respmod-icap Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*respmod-icap-list*
Collection URI	/axapi/v3/slb/template/respmod-icap
Element Name	respmod-icap
Element URI	/axapi/v3/slb/template/respmod-icap/{name}
Element Attributes	respmod-icap_attributes
Partition Visibility	shared
Schema	`respmod-icap schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/respmod-icap

respmod-icap attributes

```
POST /axapi/v3/slb/template/respmod-icap/
Payload:
{
    "respmod-icap": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/respmod-icap

respmod-icap attributes

Get Object

GET

/axapi/v3/slb/template/respmod-icap/{name}

respmod-icap attributes

```
GET /axapi/v3/slb/template/respmod-icap/a
Reponse:
{
    "respmod-icap": {
        "name": "a",
        "include-protocol-in-uri": 0,
        "fail-close": 0,
        "min-payload-size": 0,
        "preview": 32768,
        "disable-http-server-reset": 0,
        "x-auth-url": 0,
        "log-only-allowed-method": 0,
        "uuid": "a557a012-b65d-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/respmod-icap/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/respmod-icap

respmod-icap-list

Modify Object

POST

/axapi/v3/slb/template/respmod-icap/{name}

respmod-icap attributes

Replace Object

PUT

/axapi/v3/slb/template/respmod-icap/{name}

respmod-icap attributes

```
PUT /axapi/v3/slb/template/respmod-icap/a
Payload:
{
    "respmod-icap": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/respmod-icap

respmod-icap-list

Delete Object

DELETE

/axapi/v3/slb/template/respmod-icap/{name}

respmod-icap attributes

```
DELETE /axapi/v3/slb/template/respmod-icap/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

respmod-icap-list

respmod-icap-list is **JSON List** of *respmod-icap attributes*

respmod-icap-list : [

{ *respmod-icap attributes* },

{ *respmod-icap attributes* },

...

]

respmod-icap attributes

action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

bypass-ip-cfg

Type: List

disable-http-server-reset

Description Don't reset http server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fail-close

Description When template sg is down mark vport down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failure-action

Description 'continue': Continue; 'drop': Drop; 'reset': Reset;

Type: string

Supported Values: continue, drop, reset

Default: continue

include-protocol-in-uri

Description Include protocol and port in HTTP URI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-only-allowed-method

Description Only log allowed HTTP method

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description logging template (Logging template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

min-payload-size

Description min-payload-size value 0 - 65535, default is 0

Type: number

Range: 0-65535

Default: 0

name

Description Reqmod ICAP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

preview

Description Preview value 1 - 32768, default is 32768

Type: number

Range: 1-32768

Default: 32768

server-ssl

Description Server SSL template (Server SSL template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

service-group

Description Bind a Service Group to the template (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

service-url

Description URL to send to ICAP server (Service URL Name)

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and source-ip are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and tcp-proxy are mutually exclusive

source-ip

Description Source IP persistence template (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

timeout

Description Timeout value 1 - 200 in units of 200ms, default is 5 (default is 1000ms) (1 - 200 in units of 200ms, default is 5 (1000ms))

Type: number

Range: 1-200

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

x-auth-url

Description Use URL format for authentication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bypass-ip-cfg

Specification	Value
Type	*list*
Block object keys	

bypass-ip

Description ip address to bypass respmod-icap service

Type: string

Format: ipv4-address

mask

Description IP prefix mask

Type: string

Format: ipv4-netmask

2.120.316 slb template server

Server template

server Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-list*
Collection URI	/axapi/v3/slb/template/server
Element Name	server
Element URI	/axapi/v3/slb/template/server/{name}
Element Attributes	server_attributes
Partition Visibility	shared
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server

server attributes

```
POST /axapi/v3/slb/template/server/
Payload:
{
    "server": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/server

server attributes

Get Object

GET

/axapi/v3/slb/template/server/{name}

server attributes

```
GET /axapi/v3/slb/template/server/a
Reponse:
{
    "server": {
        "name": "a",
        "conn-limit": 64000000,
        "conn-limit-no-logging": 0,
        "dns-query-interval": 10,
        "dns-fail-interval": 30,
        "dynamic-server-prefix": "DRS",
        "extended-stats": 0,
        "log-selection-failure": 0,
        "health-check-disable": 0,
        "max-dynamic-server": 255,
        "min-ttl-ratio": 2,
        "weight": 1,
        "spoofing-cache": 0,
        "stats-data-action": "stats-data-enable",
        "slow-start": 0,
        "bw-rate-limit-acct": "all",
        "uuid": "2069f66a-b65e-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/server/a"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get List

GET

/axapi/v3/slb/template/server

server-list

Modify Object

POST

/axapi/v3/slb/template/server/{name}

server attributes

Replace Object

PUT

/axapi/v3/slb/template/server/{name}

server attributes

```
PUT /axapi/v3/slb/template/server/a
Payload:
{
    "server": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/server

server-list

Delete Object

DELETE

/axapi/v3/slb/template/server/{name}

server attributes

```
DELETE /axapi/v3/slb/template/server/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

server-list

server-list is **JSON List** of *server attributes*

server-list : [

{ *server attributes* },

{ *server attributes* },

...

]

server attributes

add

Description Slow start connection limit add by a number every interval (Add by this number every interval)

Type: number

Range: 1-4095

Mutual Exclusion: add and times are mutually exclusive

bw-rate-limit

Description Configure bandwidth rate limit on real server (Bandwidth rate limit in Kbps)

Type: number

Range: 1-16777216

bw-rate-limit-acct

Description 'to-server-only': Only account for traffic sent to server; 'from-server-only': Only account for traffic received from server; 'all': Account for all traffic sent to and received from server;

Type: string

Supported Values: to-server-only, from-server-only, all

Default: all

bw-rate-limit-duration

Description Duration in seconds the observed rate needs to honor

Type: number

Range: 1-250

bw-rate-limit-no-logging

Description Do not log bandwidth rate limit related state transitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Resume server selection after bandwidth drops below this threshold (in Kbps) (Bandwidth rate limit resume threshold (in Kbps))

Type: number

Range: 1-16777216

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dns-fail-interval

Description The interval to retry when DNS failed to query (DNS failure interval (in second, default is 30))

Type: number

Range: 0-1800

Default: 30

dns-query-interval

Description The interval to query DNS server for the hostname (DNS query interval (in minute, default is 10))

Type: number

Range: 1-1440

Default: 10

dynamic-server-prefix

Description Prefix of dynamic server (Prefix of dynamic server (default is "DRS"))

Type: string

Maximum Length: 3 characters

Maximum Length: 1 characters

Default: DRS

every

Description Slow start connection limit increment interval (default 10)

Type: number

Range: 1-60

Default: 10

extended-stats

Description Enable extended statistics on real server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

health-check

Description Health Check Monitor (Health monitor name)

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: health-check and health-check-disable are mutually exclusive

Reference Object: */axapi/v3/health/monitor*

health-check-disable

Description Disable configured health check configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: health-check-disable and health-check are mutually exclusive

initial-slow-start

Description Initial slow start connection limit (default 128)

Type: number

Range: 1-4095

Default: 128

log-selection-failure

Description Enable real-time logging for server selection failure event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-dynamic-server

Description Maximum dynamic server number (Maximum dynamic server number (default is 255))

Type: number

Range: 1-1023

Default: 255

min-ttl-ratio

Description Minimum TTL to DNS query interval ratio (Minimum TTL ratio (default is 2))

Type: number

Range: 1-15

Default: 2

name

Description Server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

resume

Description Resume accepting new connection after connection number drops below threshold (Connection resume threshold)

Type: number

Range: 1-1048575

slow-start

Description Slowly ramp up the connection number after server is up

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

spoofing-cache

Description Servers under the template are spoofing cache

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for real server; 'stats-data-disable': Disable statistical data collection for real server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

till

Description Slow start ends when slow start connection limit reaches a number (default 4096) (Slow start ends when connection limit reaches this number)

Type: number

Range: 1-65535

Default: 4096

times

Description Slow start connection limit multiply by a number every interval (default 2) (Multiply by this number every interval)

Type: number

Range: 2-10

Default: 2

Mutual Exclusion: times and add are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

weight

Description Weight for the Real Servers (Connection Weight (default is 1))

Type: number

Range: 1-1000

Default: 1

2.120.317 slb template server-ssh

Server Side SSH Template

server-ssh Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-ssh-list*
Collection URI	/axapi/v3/slb/template/server-ssh
Element Name	server-ssh
Element URI	/axapi/v3/slb/template/server-ssh/{name}
Element Attributes	server-ssh_attributes
Partition Visibility	shared
Schema	`server-ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server-ssh

server-ssh attributes

```
POST /axapi/v3/slb/template/server-ssh/
Payload:
{
    "server-ssh": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/server-ssh

server-ssh attributes

Get Object

GET

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

```
GET /axapi/v3/slb/template/server-ssh/a
Reponse:
{
    "server-ssh": {
        "name": "a",
        "forward-proxy-enable": 0,
        "uuid": "07f53c38-b65f-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/server-ssh/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/server-ssh

server-ssh-list

Modify Object

POST

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

Replace Object

PUT

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

```
PUT /axapi/v3/slb/template/server-ssh/a
Payload:
{
    "server-ssh": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/server-ssh

server-ssh-list

Delete Object

DELETE

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

```
DELETE /axapi/v3/slb/template/server-ssh/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

server-ssh-list

server-ssh-list is **JSON List** of *server-ssh attributes*

server-ssh-list : [

{ *server-ssh attributes* },

{ *server-ssh attributes* },

...

]

server-ssh attributes

forward-proxy-enable

Description Enable SSH forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.318 slb template server-ssh stats

Statistics for the object server-ssh

server-ssh Specification

Parameter	Value
Type	*Collection*
Collection Name	*server-ssh-list*
Collection URI	/axapi/v3/slb/template/server-ssh/{name}
Element Name	server-ssh
Element URI	/axapi/v3/slb/template/server-ssh/{name}/stats
Element Attributes	server-ssh_attributes
Partition Visibility	None
Schema	`server-ssh schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

Create List

POST

/axapi/v3/slb/template/server-ssh/{name}

server-ssh attributes

Get Object

GET

/axapi/v3/slb/template/server-ssh/{name}/stats

server-ssh attributes

Get List

GET

/axapi/v3/slb/template/server-ssh/{name}

server-ssh-list

Modify Object

POST

/axapi/v3/slb/template/server-ssh/{name}/stats

server-ssh attributes

Replace Object

PUT

/axapi/v3/slb/template/server-ssh/{name}/stats

server-ssh attributes

Replace List

PUT

/axapi/v3/slb/template/server-ssh/{name}

server-ssh-list

Delete Object

DELETE

/axapi/v3/slb/template/server-ssh/{name}/stats

server-ssh attributes

server-ssh-list

server-ssh-list is **JSON List** of *server-ssh attributes*

server-ssh-list : [

{ *server-ssh attributes* },

{ *server-ssh attributes* },

...

]

server-ssh attributes

name

Description Server SSH Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

failed_handshakes

Description some help string

Type: number

Format: counter

forwarding_errors

Description some help string

Type: number

Format: counter

successful_handshakes

Description some help string

Type: number

Format: counter

2.120.319 slb template server-ssl

Server Side SSL Template

server-ssl Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*server-ssl-list*
Collection URI	/axapi/v3/slb/template/server-ssl
Element Name	server-ssl
Element URI	/axapi/v3/slb/template/server-ssl/{name}
Element Attributes	server-ssl_attributes
Partition Visibility	shared
Schema	`server-ssl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server-ssl

server-ssl attributes

Create List

POST

/axapi/v3/slb/template/server-ssl

server-ssl attributes

Get Object

GET

/axapi/v3/slb/template/server-ssl/{name}

server-ssl attributes

Get List

GET

/axapi/v3/slb/template/server-ssl

server-ssl-list

Modify Object

POST

/axapi/v3/slb/template/server-ssl/{name}

server-ssl attributes

Replace Object

PUT

/axapi/v3/slb/template/server-ssl/{name}

server-ssl attributes

Replace List

PUT

/axapi/v3/slb/template/server-ssl

server-ssl-list

Delete Object

DELETE

/axapi/v3/slb/template/server-ssl/{name}

server-ssl attributes

server-ssl-list

server-ssl-list is **JSON List** of *server-ssl attributes*

server-ssl-list : [

{ *server-ssl attributes* },

{ *server-ssl attributes* },

…

]

server-ssl attributes

alert-type

Description 'fatal': Log fatal alerts;

Type: string

Supported Values: fatal

ca-certs

Type: List

certificate

Description: certificate is a **JSON Block**. Please see below for *certificate*

Type: Object

Reference Object: */axapi/v3/slb/template/server-ssl/{name}/certificate*

cipher-template

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: cipher-template, cipher-wo-prio, and shared-partition-cipher-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/cipher*

cipher-without-prio-list

Type: List

close-notify

Description Send close notification when terminate connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crl-certs

Type: List

dgversion

Description Lower TLS/SSL version can be downgraded

Type: number

Range: 30-34

Default: 31

dh-type

Description '1024': 1024; '1024-dsa': 1024-dsa; '2048': 2048;

Type: string

Supported Values: 1024, 1024-dsa, 2048

early-data

Description Enable TLS 1.3 early data (0-RTT)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ec-list

Type: List

enable-ssli-ftp-alg

Description Enable SSLi FTP over TLS support at which port

Type: number

Range: 1-65535

enable-tls-alert-logging

Description Enable TLS alert logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

forward-proxy-enable

Description Enable SSL forward proxy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

handshake-logging-enable

Description Enable SSL handshake logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ocsp-stapling

Description Enable ocsp-stapling support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

renegotiation-disable

Description Disable SSL renegotiation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-certificate-error

Type: List

server-name

Description Specify Server Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

session-cache-size

Description Session Cache Size (Maximum cache size. Default value 0 (Session ID reuse disabled))

Type: number

Range: 0-128

Default: 0

session-cache-timeout

Description Session Cache Timeout (Timeout value, in seconds. Default no timeout.)

Type: number

Range: 1-7200

session-key-logging-enable

Description Enable SSL session key logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

session-ticket-enable

Description Enable server side session ticket support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-cipher-template

Description Reference a cipher template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cipher-template, cipher-wo-prio, and cipher-template are mutually exclusive

ssli-logging

Description SSLi logging level, default is error logging only

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sslilogging

Description 'disable': Disable all logging; 'all': enable all logging(error, info);

Type: string

Supported Values: disable, all

template-cipher-shared

Description Cipher Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cipher*

use-client-sni

Description use client SNI

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version

Description TLS/SSL version, default is the highest number supported (TLS/SSL version: 30-SSLv3.0, 31-TLSv1.0, 32-TLSv1.1, 33-TLSv1.2 and 34-TLSv1.3)

Type: number

Range: 30-34

Default: 33

crl-certs

Specification	Value
Type	*list*
Block object keys	

crl

Description Certificate Revocation Lists (Certificate Revocation Lists file name)

Type: string

Maximum Length: 255 characters

Maximum Length: 1 characters

crl-partition-shared

Description Certificate Revocation Lists Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

certificate

Specification	Value
Type	*object*

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key

Description Client private-key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description Client Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ec-list

Specification	Value
Type	*list*
Block object keys	

ec

Description 'secp256r1': X9_62_prime256v1; 'secp384r1': secp384r1;

Type: string

Supported Values: secp256r1, secp384r1, secp521r1, x25519

server-certificate-error

Specification	Value
Type	*list*
Block object keys	

error-type

Description 'email': Notify the error via email; 'ignore': Ignore the error, which mean the connection can continue; 'logging': Log the error; 'trap': Notify the error by SNMP trap;

Type: string

Supported Values: email, ignore, logging, trap

ca-certs

Specification	Value
Type	*list*
Block object keys	

ca-cert

Description Specify CA certificate

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

ca-cert-partition-shared

Description CA Certificate Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-ocsp-sg

Description Specify service-group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/service-group*

server-ocsp-srvr

Description Specify authentication server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/authentication/server/ocsp*

cipher-without-prio-list

Specification	Value
Type	*list*
Block object keys	

cipher-wo-prio

Description 'SSL3_RSA_DES_192_CBC3_SHA': TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000A); 'SSL3_RSA_RC4_128_MD5': TLS_RSA_WITH_RC4_128_MD5 (0x0004); 'SSL3_RSA_RC4_128_SHA': TLS_RSA_WITH_RC4_128_SHA (0x0005); 'TLS1_RSA_AES_128_SHA': TLS_RSA_WITH_AES_128_CBC_SHA (0x002F); 'TLS1_RSA_AES_256_SHA': TLS_RSA_WITH_AES_256_CBC_SHA (0x0035); 'TLS1_RSA_AES_128_SHA256': TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003C); 'TLS1_RSA_AES_256_SHA256': TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003D); 'TLS1_DHE_RSA_AES_128_GCM_SHA256': TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x009E); 'TLS1_DHE_RSA_AES_128_SHA': TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x0033); 'TLS1_DHE_RSA_AES_128_SHA256': TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x0067); 'TLS1_DHE_RSA_AES_256_GCM_SHA384': TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x009F); 'TLS1_DHE_RSA_AES_256_SHA': TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x0039); 'TLS1_DHE_RSA_AES_256_SHA256': TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x006B); 'TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xC02B); 'TLS1_ECDHE_ECDSA_AES_128_SHA': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xC009); 'TLS1_ECDHE_ECDSA_AES_128_SHA256': TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xC023); 'TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xC02C); 'TLS1_ECDHE_ECDSA_AES_256_SHA': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA (0xC00A); 'TLS1_ECDHE_RSA_AES_128_GCM_SHA256': TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xC02F); 'TLS1_ECDHE_RSA_AES_128_SHA': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xC013); 'TLS1_ECDHE_RSA_AES_128_SHA256': TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xC027); 'TLS1_ECDHE_RSA_AES_256_GCM_SHA384': TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xC030); 'TLS1_ECDHE_RSA_AES_256_SHA': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xC014); 'TLS1_RSA_AES_128_GCM_SHA256': TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009C); 'TLS1_RSA_AES_256_GCM_SHA384': TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009D); 'TLS1_ECDHE_RSA_AES_256_SHA384': TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xC028); 'TLS1_ECDHE_ECDSA_AES_256_SHA384': TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xC024); 'TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA8); 'TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256': TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCA9); 'TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256': TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xCCAA);

Type: string

Supported Values: SSL3_RSA_DES_192_CBC3_SHA, SSL3_RSA_RC4_128_MD5, SSL3_RSA_RC4_128_SHA, TLS1_RSA_AES_128_SHA, TLS1_RSA_AES_256_SHA, TLS1_RSA_AES_128_SHA256, TLS1_RSA_AES_256_SHA256, TLS1_DHE_RSA_AES_128_GCM_SHA256, TLS1_DHE_RSA_AES_128_SHA, TLS1_DHE_RSA_AES_128_SHA256, TLS1_DHE_RSA_AES_256_GCM_SHA384, TLS1_DHE_RSA_AES_256_SHA,

TLS1_DHE_RSA_AES_256_SHA256, TLS1_ECDHE_ECDSA_AES_128_GCM_SHA256, TLS1_ECDHE_ECDSA_AES_128_SHA, TLS1_ECDHE_ECDSA_AES_128_SHA256, TLS1_ECDHE_ECDSA_AES_256_GCM_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA, TLS1_ECDHE_RSA_AES_128_GCM_SHA256, TLS1_ECDHE_RSA_AES_128_SHA, TLS1_ECDHE_RSA_AES_128_SHA256, TLS1_ECDHE_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA, TLS1_RSA_AES_128_GCM_SHA256, TLS1_RSA_AES_256_GCM_SHA384, TLS1_ECDHE_RSA_AES_256_SHA384, TLS1_ECDHE_ECDSA_AES_256_SHA384, TLS1_ECDHE_RSA_CHACHA20_POLY1305_SHA256, TLS1_ECDHE_ECDSA_CHACHA20_POLY1305_SHA256, TLS1_DHE_RSA_CHACHA20_POLY1305_SHA256

Mutual Exclusion: cipher-wo-prio, cipher-template, and shared-partition-cipher-template are mutually exclusive

2.120.320 slb template server-ssl certificate

Client Certificate

certificate Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	certificate
Element URI	/axapi/v3/slb/template/server-ssl/{name}/certificate
Element Attributes	certificate_attributes
Partition Visibility	shared
Schema	`certificate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

```
POST /axapi/v3/slb/template/server-ssl/a/certificate
Payload:
{
    "certificate": {
        "cert": "a",
        "key": "a",
        "passphrase": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

Modify Object

POST

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

Replace Object

PUT

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

Delete Object

DELETE

/axapi/v3/slb/template/server-ssl/{name}/certificate

certificate attributes

certificate attributes

cert

Description Certificate Name

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

key

Description Client private-key (Key Name)

Type: string

Format: string-rlx

Maximum Length: 245 characters

Maximum Length: 1 characters

passphrase

Description Password Phrase

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

shared

Description Client Certificate and Key Partition Shared

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.321 slb template sip

SIP Template

sip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*sip-list*
Collection URI	/axapi/v3/slb/template/sip
Element Name	sip
Element URI	/axapi/v3/slb/template/sip/{name}
Element Attributes	sip_attributes
Partition Visibility	shared
Schema	`sip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/sip

sip attributes

```
POST /axapi/v3/slb/template/sip/
Payload:
{
    "sip": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/sip

sip attributes

Get Object

GET

/axapi/v3/slb/template/sip/{name}

sip attributes

```
GET /axapi/v3/slb/template/sip/a
Reponse:
{
    "sip": {
        "name": "a",
        "alg-source-nat": 0,
        "alg-dest-nat": 0,
        "call-id-persist-disable": 0,
        "client-keep-alive": 0,
        "pstn-gw": "pstn",
        "failed-client-selection": 0,
        "failed-server-selection": 0,
        "insert-client-ip": 0,
        "keep-server-ip-if-match-acl": 0,
        "server-keep-alive": 0,
        "smp-call-id-rtp-session": 0,
        "server-selection-per-request": 0,
        "timeout": 30,
        "dialog-aware": 0,
        "uuid": "72fb1240-b660-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/sip/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/sip

sip-list

Modify Object

POST

/axapi/v3/slb/template/sip/{name}

sip attributes

Replace Object

PUT

/axapi/v3/slb/template/sip/{name}

sip attributes

```
PUT /axapi/v3/slb/template/sip/a
Payload:
{
    "sip": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/sip

sip-list

Delete Object

DELETE

/axapi/v3/slb/template/sip/{name}

sip attributes

```
DELETE /axapi/v3/slb/template/sip/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

sip-list

sip-list is **JSON List** of *sip attributes*

sip-list : [

{ *sip attributes* },

{ *sip attributes* },

...

]

sip attributes

acl-id

Description ACL id

Type: number

Range: 100-199

Mutual Exclusion: acl-id and acl-name-value are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-name-value

Description IPv4 Access List Name

Type: string

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-value and acl-id are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

alg-dest-nat

Description Translate VIP to real server IP in SIP message when destination NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

alg-source-nat

Description Translate source IP to NAT IP in SIP message when source NAT is used

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

call-id-persist-disable

Description Disable call-ID persistence

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-keep-alive

Description Respond client keep-alive packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header

Type: List

client-response-header

Type: List

dialog-aware

Description Permit system processes dialog session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-when-client-fail

Description Drop current SIP message when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-client-fail and failed-client-selection-message are mutually exclusive

drop-when-server-fail

Description Drop current SIP message when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: drop-when-server-fail and failed-server-selection-message are mutually exclusive

exclude-translation

Type: List

failed-client-selection

Description Define action when select client fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-client-selection-message

Description Send SIP message (includs status code) to server when select client fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-client-selection-message and drop-when-client-fail are mutually exclusive

failed-server-selection

Description Define action when select server fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

failed-server-selection-message

Description Send SIP message (includs status code) to client when select server fail(Format: 3 digits(1XX~6XX) space reason)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: failed-server-selection-message and drop-when-server-fail are mutually exclusive

insert-client-ip

Description Insert Client IP address into SIP header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description The interval of keep-alive packet for each persist connection (second)

Type: number

Range: 5-300

Default: 30

keep-server-ip-if-match-acl

Description Use Real Server IP for addresses matching the ACL for a Call-Id

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

pstn-gw

Description configure pstn gw host name for tel: uri translate to sip: uri (Hostname String, default is "pstn")

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: pstn

server-keep-alive

Description Send server keep-alive packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header

Type: List

server-response-header

Type: List

server-selection-per-request

Description Force server selection on every SIP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group

Description service group name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

smp-call-id-rtp-session

Description Create the across cpu call-id rtp session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

timeout

Description Time in minutes

Type: number

Range: 1-250

Default: 30

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-request-header

Specification	Value
Type	*list*
Block object keys	

insert-condition-server-request

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-request-header-insert

Description Insert a SIP header (Header Content (Format: “name:value”))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-response-header

Specification	Value
Type	*list*
Block object keys	

insert-condition-server-response

Description ‘insert-if-not-exist’: Only insert the header when it does not exist; ‘insert-always’: Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

server-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-response-header-insert

Description Insert a SIP header (Header Content (Format: “name:value”))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

client-request-header

Specification	Value
Type	*list*
Block object keys	

client-request-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-request-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-request-header-insert

Description Insert a SIP header (Header Content (Format: “name:value”))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-request

Description ‘insert-if-not-exist’: Only insert the header when it does not exist; ‘insert-always’: Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

client-response-header

Specification	Value
Type	*list*
Block object keys	

client-response-erase-all

Description Erase all headers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-response-header-erase

Description Erase a SIP header (Header Name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

client-response-header-insert

Description Insert a SIP header (Header Content (Format: "name:value"))

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

insert-condition-client-response

Description 'insert-if-not-exist': Only insert the header when it does not exist; 'insert-always': Always insert the header even when there is a header with the same name;

Type: string

Supported Values: insert-if-not-exist, insert-always

exclude-translation

Specification	Value
Type	*list*
Block object keys	

header-string

Description SIP header name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

translation-value

Description 'start-line': SIP request line or status line; 'header': SIP message headers; 'body': SIP message body;

Type: string

Supported Values: start-line, header, body

2.120.322 slb template smpp

SMPP template

smpp Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*smpp-list*
Collection URI	/axapi/v3/slb/template/smpp
Element Name	smpp
Element URI	/axapi/v3/slb/template/smpp/{name}
Element Attributes	smpp_attributes
Partition Visibility	shared
Schema	`smpp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/smpp

smpp attributes

```
POST /axapi/v3/slb/template/smpp/
Payload:
{
    "smpp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/smpp

smpp attributes

Get Object

GET

/axapi/v3/slb/template/smpp/{name}

smpp attributes

```
GET /axapi/v3/slb/template/smpp/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "smpp": {
        "name": "a",
        "client-enquire-link": 0,
        "server-enquire-link": 0,
        "server-selection-per-request": 0,
        "uuid": "80670564-b661-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/smpp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/smpp

smpp-list

Modify Object

POST

/axapi/v3/slb/template/smpp/{name}

smpp attributes

Replace Object

PUT

/axapi/v3/slb/template/smpp/{name}

smpp attributes

```
PUT /axapi/v3/slb/template/smpp/a
Payload:
{
    "smpp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/smpp

smpp-list

Delete Object

DELETE

/axapi/v3/slb/template/smpp/{name}

smpp attributes

```
DELETE /axapi/v3/slb/template/smpp/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

smpp-list

smpp-list is **JSON List** of *smpp attributes*

smpp-list : [

{ *smpp attributes* },

{ *smpp attributes* },

...

]

smpp attributes

client-enquire-link

Description Respond client ENQUIRE_LINK packet directly instead of forwarding to server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

password

Description Configure the password used to bind

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

server-enquire-link

Description Send server ENQUIRE_LINK packet for every persist connection when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-enquire-link-val

Description Set interval of keep-alive packet for each persistent connection (second, default is 30)

Type: number

Range: 5-300

Default: 30

server-selection-per-request

Description Force server selection on every SMPP request when enable conn-reuse

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user

Description Configure the user to bind (The name used to bind)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.323 slb template smtp

SMTP

smtp Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*smtp-list*
Collection URI	/axapi/v3/slb/template/smtp
Element Name	smtp
Element URI	/axapi/v3/slb/template/smtp/{name}
Element Attributes	smtp_attributes
Partition Visibility	shared
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/smtp

smtp attributes

```
POST /axapi/v3/slb/template/smtp/
Payload:
{
    "smtp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/smtp

smtp attributes

Get Object

GET

/axapi/v3/slb/template/smtp/{name}

smtp attributes

```
GET /axapi/v3/slb/template/smtp/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "smtp": {
        "name": "a",
        "server-domain": "mail-server-domain",
        "service-ready-msg": "ESMTP mail service ready",
        "LF-to-CRLF": 0,
        "error-code-to-client": 0,
        "uuid": "ccee4f0a-b661-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/smtp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/smtp

smtp-list

Modify Object

POST

/axapi/v3/slb/template/smtp/{name}

smtp attributes

Replace Object

PUT

/axapi/v3/slb/template/smtp/{name}

smtp attributes

```
PUT /axapi/v3/slb/template/smtp/a
Payload:
{
    "smtp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/smtp

smtp-list

Delete Object

DELETE

/axapi/v3/slb/template/smtp/{name}

smtp attributes

```
DELETE /axapi/v3/slb/template/smtp/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

smtp-list

smtp-list is **JSON List** of *smtp attributes*

smtp-list : [

{ *smtp attributes* },

{ *smtp attributes* },

...

]

smtp attributes

LF-to-CRLF

Description Change the LF to CRLF for smtp end of line

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

client-domain-switching

Type: List

client-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue START-TLS command before mail transaction;

Type: string

Supported Values: optional, enforced

command-disable

Type: List

error-code-to-client

Description Would transfer error code(554) to client, when getting it from connection establishing with real-server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

server-domain

Description Config the domain of the email servers (Server's domain, default is "mail-server-domain")

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

Default: mail-server-domain

server-starttls-type

Description 'optional': STARTTLS is optional requirement; 'enforced': Must issue START-TLS command before mail transaction;

Type: string

Supported Values: optional, enforced

service-ready-msg

Description Set SMTP service ready message (SMTP service ready message, default is "ESMTP mail service ready")

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: ESMTP mail service ready

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

client-domain-switching

Specification	Value
Type	*list*
Block object keys	

match-string

Description Domain name string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

service-group

Description Select service group (Service group name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

switching-type

Description 'contains': Specify domain name string if domain contains another string; 'ends-with': Specify domain name string if domain ends with another string; 'starts-with': Specify domain string if domain starts with another string;

Type: string

Supported Values: contains, ends-with, starts-with

template

Specification	Value
Type	*object*

logging

Description Logging template (Logging Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/logging*

command-disable

Specification	Value
Type	*list*
Block object keys	

disable-type

Description 'expn': Disable SMTP EXPN commands; 'turn': Disable SMTP TURN commands; 'vrfy': Disable SMTP VRFY commands;

Type: string

Supported Values: expn, turn, vrfy

2.120.324 slb template ssli

SSL insight template

ssli Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*ssli-list*
Collection URI	/axapi/v3/slb/template/ssli
Element Name	ssli
Element URI	/axapi/v3/slb/template/ssli/{name}
Element Attributes	ssli_attributes
Partition Visibility	shared
Schema	`ssli schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/ssli

ssli attributes

```
POST /axapi/v3/slb/template/ssli/
Payload:
{
    "ssli": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/ssli

ssli attributes

Get Object

GET

/axapi/v3/slb/template/ssli/{name}

ssli attributes

```
GET /axapi/v3/slb/template/ssli/a
Reponse:
{
    "ssli": {
        "name": "a",
        "type": "http",
        "uuid": "3eef44ec-b662-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/ssli/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/ssli

ssli-list

Modify Object

POST

/axapi/v3/slb/template/ssli/{name}

ssli attributes

Replace Object

PUT

/axapi/v3/slb/template/ssli/{name}

ssli attributes

```
PUT /axapi/v3/slb/template/ssli/a
Payload:
{
    "ssli": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/ssli

ssli-list

Delete Object

DELETE

/axapi/v3/slb/template/ssli/{name}

ssli attributes

```
DELETE /axapi/v3/slb/template/ssli/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssli-list

ssli-list is **JSON List** of *ssli attributes*

ssli-list : [

{ *ssli attributes* },

{ *ssli attributes* },

...

]

ssli attributes

name

Description SSLi Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'http': HTTP service; 'xmpp': XMPP service; 'smtp': SMTP service; 'pop': POP service; 'ldap': LDAP service; 'ftp': FTP service;

Type: string

Supported Values: http, xmpp, smtp, pop, ldap, ftp

Default: http

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.325 slb template tcp

L4 TCP switch config

tcp Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*tcp-list*
Collection URI	/axapi/v3/slb/template/tcp
Element Name	tcp
Element URI	/axapi/v3/slb/template/tcp/{name}
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/tcp

tcp attributes

```
POST /axapi/v3/slb/template/tcp/
Payload:
{
    "tcp": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/tcp

tcp attributes

Get Object

GET

/axapi/v3/slb/template/tcp/{name}

tcp attributes

```
GET /axapi/v3/slb/template/tcp/a
Reponse:
{
    "tcp": {
        "name": "a",
        "idle-timeout": 120,
        "insert-client-ip": 0,
        "lan-fast-ack": 0,
```

(continues on next page)

(continued from previous page)

```
        "reset-fwd": 0,
        "reset-rev": 0,
        "reset-follow-fin": 0,
        "re-select-if-server-down": 0,
        "del-session-on-server-down": 0,
        "uuid": "6d78e5ca-b662-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/tcp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/tcp

tcp-list

Modify Object

POST

/axapi/v3/slb/template/tcp/{name}

tcp attributes

Replace Object

PUT

/axapi/v3/slb/template/tcp/{name}

tcp attributes

```
PUT /axapi/v3/slb/template/tcp/a
Payload:
{
    "tcp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/tcp

tcp-list

Delete Object

DELETE

/axapi/v3/slb/template/tcp/{name}

tcp attributes

```
DELETE /axapi/v3/slb/template/tcp/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tcp-list

tcp-list is **JSON List** of *tcp attributes*

tcp-list : [

{ *tcp attributes* },

{ *tcp attributes* },

...

]

tcp attributes

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

force-delete-timeout

Description The maximum time that a session can stay in the system before being delete (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being delete (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default off (half close idle timeout in second, default off)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default off (half open idle timeout in second, default off)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout value (Interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

initial-window-size

Description Set the initial window size (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lan-fast-ack

Description Enable fast TCP ack on LAN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

logging

Description 'init': init only log; 'term': termination only log; 'both': both initial and termination log;

Type: string

Supported Values: init, term, both

name

Description Fast TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *proxy-header*

Type: Object

qos

Description QOS level (number)

Type: number

Range: 1-63

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-follow-fin

Description send reset to client or server upon receiving first fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy-header

Specification	Value
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

proxy-header-version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

2.120.326 slb template tcp-proxy

TCP Proxy

tcp-proxy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*tcp-proxy-list*
Collection URI	/axapi/v3/slb/template/tcp-proxy
Element Name	tcp-proxy
Element URI	/axapi/v3/slb/template/tcp-proxy/{name}
Element Attributes	tcp-proxy_attributes
Partition Visibility	shared
Schema	`tcp-proxy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/tcp-proxy

tcp-proxy attributes

```
POST /axapi/v3/slb/template/tcp-proxy/
Payload:
{
    "tcp-proxy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/tcp-proxy

tcp-proxy attributes

Get Object

GET

/axapi/v3/slb/template/tcp-proxy/{name}

tcp-proxy attributes

```
GET /axapi/v3/slb/template/tcp-proxy/a
Reponse:
{
    "tcp-proxy": {
        "name": "a",
        "ack-aggressiveness": "low",
        "dynamic-buffer-allocation": 0,
        "idle-timeout": 600,
        "init-cwnd": 10,
        "mss": 1460,
        "psh-flag-optimization": 0,
        "nagle": 0,
        "naked-ack-on-handshake": 0,
        "receive-buffer": 200000,
        "reno": 0,
        "transmit-buffer": 200000,
        "reset-fwd": 0,
        "reset-rev": 0,
        "del-session-on-server-down": 0,
        "retransmit-retries": 5,
        "insert-client-ip": 0,
        "syn-retries": 5,
        "timewait": 5,
        "disable-tcp-timestamps": 0,
        "disable-window-scale": 0,
        "disable-sack": 0,
        "invalid-rate-limit": 500,
        "disable-abc": 0,
        "reassembly-timeout": 30,
        "reassembly-limit": 25,
        "min-rto": 200,
        "limited-slowstart": 0,
        "early-retransmit": 0,
        "maxburst": 25,
        "tcp-do-newsack": "auto-select",
        "uuid": "07b22a0c-b663-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/tcp-proxy/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/tcp-proxy

tcp-proxy-list

Modify Object

POST

/axapi/v3/slb/template/tcp-proxy/{name}

tcp-proxy attributes

Replace Object

PUT

/axapi/v3/slb/template/tcp-proxy/{name}

tcp-proxy attributes

```
PUT /axapi/v3/slb/template/tcp-proxy/a
Payload:
{
    "tcp-proxy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/tcp-proxy

tcp-proxy-list

Delete Object

DELETE

/axapi/v3/slb/template/tcp-proxy/{name}

tcp-proxy attributes

```
DELETE /axapi/v3/slb/template/tcp-proxy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tcp-proxy-list

tcp-proxy-list is **JSON List** of *tcp-proxy attributes*

tcp-proxy-list : [

{ *tcp-proxy attributes* },

{ *tcp-proxy attributes* },

...

]

tcp-proxy attributes

ack-aggressiveness

Description 'low': Delayed ACK; 'medium': Delayed ACK, with ACK on each packet with PUSH flag; 'high': ACK on each packet;

Type: string

Supported Values: low, medium, high

Default: low

alive-if-active

Description keep connection alive if active traffic

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

backend-wscale

Description The TCP window scale used for the server side, default is off (number)

Type: number

Range: 1-14

del-session-on-server-down

Description Delete session if the server/port goes down (either disabled/hm down)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description send reset to client when server is disabled

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and down are mutually exclusive

disable-abc

Description Appropriate Byte Counting RFC 3465 Disabled, default is enabled (Appropriate Byte Counting (ABC) is enabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-sack

Description disable Selective Ack Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-tcp-timestamps

Description disable TCP Timestamps Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-window-scale

Description disable TCP Window-Scale Option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

down

Description send reset to client when server is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: down and disable are mutually exclusive

dynamic-buffer-allocation

Description Optimally adjust the transmit and receive buffer sizes of TCP proxy while keeping their sum constant

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

early-retransmit

Description Configure the Early-Retransmit Algorithm (RFC 5827) (Early-Retransmit is disabled by default)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin-timeout

Description FIN timeout (sec), default is disabled (number)

Type: number

Range: 1-60

force-delete-timeout

Description The maximum time that a session can stay in the system before being deleted, default is off (number (second))

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout and force-delete-timeout-100ms are mutually exclusive

force-delete-timeout-100ms

Description The maximum time that a session can stay in the system before being deleted, default is off (number in 100ms)

Type: number

Range: 1-31

Mutual Exclusion: force-delete-timeout-100ms and force-delete-timeout are mutually exclusive

half-close-idle-timeout

Description TCP Half Close Idle Timeout (sec), default is off (cmd is deprecated, use fin-timeout instead) (number)

Type: number

Range: 60-120

half-open-idle-timeout

Description TCP Half Open Idle Timeout (sec), default is off (number)

Type: number

Range: 1-60

idle-timeout

Description Idle Timeout (Interval of 60 seconds), default is 600 (idle timeout in second, default 600)

Type: number

Range: 1-2097151

Default: 600

init-cwnd

Description The initial congestion control window size (packets), default is 10 (init-cwnd in packets, default 10)

Type: number

Range: 1-15

Default: 10

initial-window-size

Description Set the initial window size, default is off (number)

Type: number

Range: 1-65535

insert-client-ip

Description Insert client ip into TCP option

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-rate-limit

Description Invalid Packet Response Rate Limit (ms), default is 500 (number default 500 challenges)

Type: number

Range: 0-60000000

Default: 500

keepalive-interval

Description Interval between keepalive probes (sec), default is off (number (seconds))

Type: number

Range: 60-12000

keepalive-probes

Description Number of keepalive probes sent, default is off

Type: number

Range: 2-10

limited-slowstart

Description RFC 3742 Limited Slow-Start for TCP with Large Congestion Windows (number)

Type: number

Range: 0-2147483647

Default: 0

maxburst

Description The max packet count sent per transmission event (number)

Type: number

Range: 1-100

Default: 25

min-rto

Description The minmum retransmission timeout, default is 200ms (number)

Type: number

Range: 100-1000

Default: 200

mss

Description Responding MSS to use if client MSS is large, default is off (number)

Type: number

Range: 128-9000

Default: 1460

nagle

Description Enable Nagle Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

naked-ack-on-handshake

Description Send naked ack before data during 3-way handshake

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

proxy-header

Description: proxy-header is a **JSON Block**. Please see below for *proxy-header*

Type: Object

psh-flag-optimization

Description Enable Optimized PSH Flag Use

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

qos

Description QOS level (number)

Type: number

Range: 1-63

reassembly-limit

Description The reassembly queuing limit, default is 25 segments (number)

Type: number

Range: 1-500

Default: 25

reassembly-timeout

Description The reassembly timeout, default is 30sec (number)

Type: number

Range: 1-300

Default: 30

receive-buffer

Description TCP Receive Buffer (default 200k) (number default 200000 bytes)

Type: number

Range: 1-2147483647

Default: 200000

reno

Description Enable Reno Congestion Control Algorithm

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-fwd

Description send reset to server if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-rev

Description send reset to client if error happens

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

retransmit-retries

Description Number of Retries for Retransmit, default is 5

Type: number

Range: 1-20

Default: 5

server-down-action

Description 'FIN': FIN Connection; 'RST': Reset Connection;

Type: string

Supported Values: FIN, RST

syn-retries

Description SYN Retry Numbers, default is 5

Type: number

Range: 1-20

Default: 5

tcp-do-newsack

Description 'enable': Enable fast sack loss recovery; 'disable': Disable fast sack loss recovery; 'auto-select': Auto select fast sack loss recovery (disable);

Type: string

Supported Values: enable, disable, auto-select

Default: auto-select

timewait

Description Timewait Threshold (sec), default 5 (number)

Type: number

Range: 1-60

Default: 5

transmit-buffer

Description TCP Transmit Buffer (default 200k) (number default 200000 bytes)

Type: number

Range: 1-2147483647

Default: 200000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

proxy-header

Specification	Value
Type	*object*

proxy-header-action

Description 'insert': Insert proxy header;

Type: string

Supported Values: insert

version

Description 'v1': version 1; 'v2': version 2;

Type: string

Supported Values: v1, v2

2.120.327 slb template udp

L4 UDP switch config

udp Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*udp-list*
Collection URI	/axapi/v3/slb/template/udp
Element Name	udp
Element URI	/axapi/v3/slb/template/udp/{name}
Element Attributes	udp_attributes
Partition Visibility	shared
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/udp

udp attributes

```
POST /axapi/v3/slb/template/udp/
Payload:
{
    "udp": {
        "name": "a",
        "user-tag": "a"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Create List

POST

/axapi/v3/slb/template/udp

udp attributes

Get Object

GET

/axapi/v3/slb/template/udp/{name}

udp attributes

```
GET /axapi/v3/slb/template/udp/a
Reponse:
{
    "udp": {
        "name": "a",
        "idle-timeout": 120,
        "stateless-conn-timeout": 120,
        "immediate": 0,
        "re-select-if-server-down": 0,
        "uuid": "4735692c-b664-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/udp/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/udp

udp-list

Modify Object

POST

/axapi/v3/slb/template/udp/{name}

udp attributes

Replace Object

PUT

/axapi/v3/slb/template/udp/{name}

udp attributes

```
PUT /axapi/v3/slb/template/udp/a
```

(continues on next page)

(continued from previous page)

```
Payload:
{
    "udp": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/udp

udp-list

Delete Object

DELETE

/axapi/v3/slb/template/udp/{name}

udp attributes

```
DELETE /axapi/v3/slb/template/udp/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

udp-list

udp-list is **JSON List** of *udp attributes*

udp-list : [

{ *udp attributes* },

{ *udp attributes* },

...

]

udp attributes

age

Description short age (in sec), default is 31

Type: number

Range: 1-31

avp

Description '4': NAS-IP-address; '8': Framed-IP-Address;

Type: string

Supported Values: 4, 8

disable-clear-session

Description Disable immediate clearing of session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

idle-timeout

Description Idle Timeout value (Interval of 60 seconds), default 120 seconds (idle timeout in second, default 120)

Type: number

Range: 1-2097151

Default: 120

immediate

Description Immediate Removal after Transaction

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: immediate and short are mutually exclusive

name

Description Fast UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

qos

Description QOS level (number)

Type: number

Range: 1-63

radius-lb-method-hash-type

Description 'ip': IP-Hash;

Type: string

Supported Values: ip, ipv6

re-select-if-server-down

Description re-select another server if service port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

short

Description Short lived session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: short and immediate are mutually exclusive

stateless-conn-timeout

Description Stateless Current Connection Timeout value (5 - 120 seconds) (idle timeout in second, default 120)

Type: number

Range: 5-120

Default: 120

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v6avp

Description '168': Framed-IPv6-Address; '97': Framed-IPv6-PrefixFramed-IPv6-Prefix;

Type: string

Supported Values: 168, 97

2.120.328 slb template virtual-port

Virtual port template

virtual-port Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*virtual-port-list*
Collection URI	/axapi/v3/slb/template/virtual-port
Element Name	virtual-port
Element URI	/axapi/v3/slb/template/virtual-port/{name}
Element Attributes	virtual-port_attributes
Partition Visibility	shared
Schema	`virtual-port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/virtual-port

virtual-port attributes

```
POST /axapi/v3/slb/template/virtual-port/
Payload:
{
    "virtual-port": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/virtual-port

virtual-port attributes

Get Object

GET

/axapi/v3/slb/template/virtual-port/{name}

virtual-port attributes

```
GET /axapi/v3/slb/template/virtual-port/a
Reponse:
{
    "virtual-port": {
        "name": "a",
        "aflow": 0,
        "allow-syn-otherflags": 0,
        "conn-limit": 64000000,
        "conn-limit-reset": 0,
        "conn-limit-no-logging": 0,
        "allow-vip-to-rport-mapping": 0,
        "drop-unknown-conn": 0,
        "reset-unknown-conn": 0,
        "reset-l7-on-failover": 0,
        "ignore-tcp-msl": 0,
        "snat-port-preserve": 0,
        "non-syn-initiation": 0,
        "uuid": "b127370c-b664-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/virtual-port/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/virtual-port

virtual-port-list

Modify Object

POST

/axapi/v3/slb/template/virtual-port/{name}

virtual-port attributes

Replace Object

PUT

/axapi/v3/slb/template/virtual-port/{name}

virtual-port attributes

```
PUT /axapi/v3/slb/template/virtual-port/a
Payload:
{
    "virtual-port": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/virtual-port

virtual-port-list

Delete Object

DELETE

/axapi/v3/slb/template/virtual-port/{name}

virtual-port attributes

```
DELETE /axapi/v3/slb/template/virtual-port/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

virtual-port-list

virtual-port-list is **JSON List** of *virtual-port attributes*

virtual-port-list : [

{ *virtual-port attributes* },

{ *virtual-port attributes* },

...

]

virtual-port attributes

aflow

Description Use aFlow to eliminate the traffic surge

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-syn-otherflags

Description Allow initial SYN packet with other flags

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

allow-vip-to-rport-mapping

Description Allow mapping of VIP to real port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

drop-unknown-conn

Description Drop conection if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dscp

Description Differentiated Services Code Point (DSCP to Real Server IP Mapping Value)

Type: number

Range: 1-63

ignore-tcp-msl

Description reclaim TCP resource immediately without MSL

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

log-options

Description 'no-logging': Do not log over limit event; 'no-repeat-logging': log once for over limit event. Default is log once per minute;

Type: string

Supported Values: no-logging, no-repeat-logging

name

Description Virtual port template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

non-syn-initiation

Description Allow initial TCP packet to be non-SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-interval

Description '100ms': Source IP and port rate limit per 100ms; 'second': Source IP and port rate limit per second (default);

Type: string

Supported Values: 100ms, second

Default: second

pkt-rate-limit-reset

Description send client-side reset (reset after packet limit)

Type: number

Range: 0-1048575

Default: 0

pkt-rate-type

Description 'src-ip-port': Source IP and port rate limit; 'src-port': Source port rate limit;

Type: string

Supported Values: src-ip-port, src-port

rate

Description Source IP and port rate limit (Packet rate limit)

Type: number

Range: 1-1048575

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

reset-l7-on-failover

Description Send reset to L7 client and server connection upon a failover

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-unknown-conn

Description Send reset back if receives TCP packet without SYN or RST flag and it does not belong to any existing connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-msl

Description Source NAT MSL (Source NAT MSL value (seconds))

Type: number

Range: 1-1800

snat-port-preserve

Description Source NAT Port Preservation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

when-rr-enable

Description Only do rate limit if CPU RR triggered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.120.329 slb template virtual-server

Virtual server template

virtual-server Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*virtual-server-list*
Collection URI	/axapi/v3/slb/template/virtual-server
Element Name	virtual-server
Element URI	/axapi/v3/slb/template/virtual-server/{name}
Element Attributes	virtual-server_attributes
Partition Visibility	shared
Schema	`virtual-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/template/virtual-server

virtual-server attributes

```
POST /axapi/v3/slb/template/virtual-server/
Payload:
{
    "virtual-server": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/template/virtual-server

virtual-server attributes

Get Object

GET

/axapi/v3/slb/template/virtual-server/{name}

virtual-server attributes

```
GET /axapi/v3/slb/template/virtual-server/a
Reponse:
{
    "virtual-server": {
        "name": "a",
        "conn-limit": 64000000,
        "conn-limit-reset": 0,
        "conn-limit-no-logging": 0,
        "tcp-stack-tfo-active-conn-limit": 0,
        "tcp-stack-tfo-cookie-time-limit": 60,
        "tcp-stack-tfo-backoff-time": 600,
        "subnet-gratuitous-arp": 0,
        "disable-when-all-ports-down": 0,
        "uuid": "78cbe33e-b665-11ef-816c-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/slb/template/virtual-server/a"
    }
}
```

Get List

GET

/axapi/v3/slb/template/virtual-server

virtual-server-list

Modify Object

POST

/axapi/v3/slb/template/virtual-server/{name}

virtual-server attributes

Replace Object

PUT

/axapi/v3/slb/template/virtual-server/{name}

virtual-server attributes

```
PUT /axapi/v3/slb/template/virtual-server/a
Payload:
{
    "virtual-server": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/template/virtual-server

virtual-server-list

Delete Object

DELETE

/axapi/v3/slb/template/virtual-server/{name}

virtual-server attributes

```
DELETE /axapi/v3/slb/template/virtual-server/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

virtual-server-list

virtual-server-list is **JSON List** of *virtual-server attributes*

virtual-server-list : [

{ *virtual-server attributes* },

{ *virtual-server attributes* },

...

]

virtual-server attributes

conn-limit

Description Connection limit

Type: number

Range: 1-64000000

Default: 64000000

conn-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit-reset

Description Send client reset when connection over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit

Description Connection rate limit

Type: number

Range: 1-1048575

conn-rate-limit-no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-rate-limit-reset

Description Send client reset when connection rate over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable-when-all-ports-down

Description Disable Virtual Server when all member ports are down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-all-ports-down and disable-when-any-port-down are mutually exclusive

disable-when-any-port-down

Description Disable Virtual Server when any member port is down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable-when-any-port-down and disable-when-all-ports-down are mutually exclusive

icmp-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmp-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmp-rate-limit

Description ICMP rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

icmpv6-lockup

Description Enter lockup state when ICMP rate exceeds lockup rate limit (Maximum rate limit. If exceeds this limit, drop all ICMP packet for a time period)

Type: number

Range: 1-65535

icmpv6-lockup-period

Description Lockup period (second)

Type: number

Range: 1-16383

icmpv6-rate-limit

Description ICMPv6 rate limit (Normal rate limit. If exceeds this limit, drop the ICMP packet that goes over the limit)

Type: number

Range: 1-65535

name

Description Virtual server template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

rate-interval

Description '100ms': Use 100 ms as sampling interval; 'second': Use 1 second as sampling interval;

Type: string

Supported Values: 100ms, second

Default: second

subnet-gratuitous-arp

Description Send gratuitous ARP for every IP in the subnet virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tcp-stack-tfo-active-conn-limit

Description The allowed active layer 7 tcp fast-open connection limit, default is zero (number)

Type: number

Range: 0-10000

Default: 0

tcp-stack-tfo-backoff-time

Description The time tcp stack will wait before allowing new fast-open requests after security condition, default 600 seconds (number)

Type: number

Range: 1-14400

Default: 600

tcp-stack-tfo-cookie-time-limit

Description The time limit (in seconds) that a layer 7 tcp fast-open cookie is valid, default is 60 seconds (number)

Type: number

Range: 1-14400

Default: 60

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.330 slb transparent-acl-template

ACL setting for transparent sessions

transparent-acl-template Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	transparent-acl-template
Element URI	/axapi/v3/slb/transparent-acl-template
Element Attributes	transparent-acl-template_attributes
Partition Visibility	shared
Schema	`transparent-acl-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

```
POST /axapi/v3/slb/transparent-acl-template
Payload:
{
    "transparent-acl-template": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

```
GET /axapi/v3/slb/transparent-acl-template
Reponse:
{
    "transparent-acl-template": {
        "name": "a",
        "uuid": "1019014a-b666-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/transparent-acl-template"
    }
}
```

Modify Object

POST

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

Replace Object

PUT

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

```
PUT /axapi/v3/slb/transparent-acl-template
Payload:
{
    "transparent-acl-template": {
        "name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/transparent-acl-template

transparent-acl-template attributes

```
DELETE /axapi/v3/slb/transparent-acl-template
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

transparent-acl-template attributes

name

Description Specify template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/tcp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.331 slb transparent-tcp-template

TCP setting for transparent TCP sessions

transparent-tcp-template Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	transparent-tcp-template
Element URI	/axapi/v3/slb/transparent-tcp-template
Element Attributes	transparent-tcp-template_attributes
Partition Visibility	shared
Schema	`transparent-tcp-template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

```
POST /axapi/v3/slb/transparent-tcp-template
Payload:
{
    "transparent-tcp-template": {
        "name": "a"
    }
}
```

Get Object

GET

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

```
GET /axapi/v3/slb/transparent-tcp-template
Reponse:
{
    "transparent-tcp-template": {
        "name": "a",
        "uuid": "3334a328-b666-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/transparent-tcp-template"
    }
}
```

Modify Object

POST

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

Replace Object

PUT

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

```
PUT /axapi/v3/slb/transparent-tcp-template
Payload:
{
    "transparent-tcp-template": {
        "name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/slb/transparent-tcp-template

transparent-tcp-template attributes

```
DELETE /axapi/v3/slb/transparent-tcp-template
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

transparent-tcp-template attributes

name

Description Specify template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/tcp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.332 slb tsig oper

Operational Status for the object tsig

tsig Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tsig
Element URI	/axapi/v3/slb/tsig/oper
Element Attributes	tsig_attributes
Partition Visibility	None
Schema	`tsig schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/tsig/oper

tsig attributes

Get Object

GET

/axapi/v3/slb/tsig/oper

tsig attributes

Modify Object

POST

/axapi/v3/slb/tsig/oper

tsig attributes

Replace Object

PUT

/axapi/v3/slb/tsig/oper

tsig attributes

Delete Object

DELETE

/axapi/v3/slb/tsig/oper

tsig attributes

tsig attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

file-list

Type: List

filter_entry

Description

Type: string

tsig-count

Description

Type: number

oper_file-list

Specification	Value
Type	*list*
Block object keys	

file

Description

Type: string

2.120.333 slb virtual-server

Create a Virtual Server

virtual-server Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*virtual-server-list*
Collection URI	/axapi/v3/slb/virtual-server
Element Name	virtual-server
Element URI	/axapi/v3/slb/virtual-server/{name}
Element Attributes	virtual-server_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/slb/virtual-server/{name}/oper
Schema	`virtual-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/virtual-server

virtual-server attributes

```
POST /axapi/v3/slb/virtual-server/
Payload:
{
    "virtual-server": {
        "name": "a",
        "ipv6-address": "2003::1",
        "ipv6-acl": "a"
    }
}
```

Create List

POST

/axapi/v3/slb/virtual-server

virtual-server attributes

Get Object

GET

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

```
GET /axapi/v3/slb/virtual-server/a
Reponse:
{
    "virtual-server": {
        "name": "a",
        "ipv6-address": "2003::1",
        "ipv6-acl": "a",
        "enable-disable-action": "enable",
        "redistribution-flagged": 0,
        "arp-disable": 0,
        "stats-data-action": "stats-data-enable",
        "extended-stats": 0,
        "disable-vip-adv": 0,
        "uuid": "8948f2c8-b666-11ef-816c-ae71681635d0",
        "a10-url": "/axapi/v3/slb/virtual-server/a"
    }
}
```

Get List

GET

/axapi/v3/slb/virtual-server

virtual-server-list

Modify Object

POST

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

Replace Object

PUT

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

```
PUT /axapi/v3/slb/virtual-server/a
Payload:
{
    "virtual-server": {
        "name": "a",
        "ipv6-address": "2003::2",
        "ipv6-acl": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/slb/virtual-server

virtual-server-list

Delete Object

DELETE

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

```
DELETE /axapi/v3/slb/virtual-server/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

virtual-server-list

virtual-server-list is **JSON List** of *virtual-server attributes*

virtual-server-list : [

{ *virtual-server attributes* },

{ *virtual-server attributes* },

...

]

virtual-server attributes

acl-id

Description acl id

Type: number

Range: 1-199

Mutual Exclusion: acl-id,acl-name, p-acl, and shared-partition-acl are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-id-shared

Description acl id

Type: number

Range: 1-199

Mutual Exclusion: acl-id-shared and acl-name-shared are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-name

Description Access List name (IPv4 Access List Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name,acl-id, p-acl, and shared-partition-acl are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

acl-name-shared

Description Access List name (IPv4 Access List Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-shared and acl-id-shared are mutually exclusive

Reference Object: */axapi/v3/ip/access-list*

arp-disable

Description Disable Respond to Virtual Server ARP request

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

description

Description Create a description for VIP

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

disable-vip-adv

Description Disable virtual server GARP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-disable-action

Description 'enable': Enable Virtual Server (default); 'disable': Disable Virtual Server; 'disable-when-all-ports-down': Disable Virtual Server when all member ports are down; 'disable-when-any-port-down': Disable Virtual Server when any member port is down;

Type: string

Supported Values: enable, disable, disable-when-all-ports-down, disable-when-any-port-down

Default: enable

ethernet

Description Ethernet interface

Type: number

Format: interface

extended-stats

Description Enable extended statistics on virtual server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gaming-protocol-compliance

Description Enable Gaming Protocol Compliance Check

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-dynamic

Description Dynamic failover based on vip status

Type: number

Range: 1-255

ip-address

Description IP Address

Type: string

Format: ipv4-address

Mutual Exclusion: ip-address, ipv6-address, and use-if-ip are mutually exclusive

ipv6-acl

Description ipv6 acl name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Mutual Exclusion: ipv6-acl, p-ipv6-acl, and shared-partition-ipv6-acl are mutually exclusive

Reference Object: */axapi/v3/ipv6/access-list*

ipv6-acl-shared

Description ipv6 acl name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ipv6/access-list*

ipv6-address

Description IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-address, ip-address, and use-if-ip are mutually exclusive

migrate-vip

Description: migrate-vip is a **JSON Block**. Please see below for *migrate-vip*

Type: Object

Reference Object: */axapi/v3/slb/virtual-server/{name}/migrate-vip*

name

Description SLB Virtual Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask-brief

port-list

Type: List

Reference Object: */axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}*

redistribute-route-map

Description Route map reference (Name of route-map)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

redistribution-flagged

Description Flag VIP for special redistribution handling

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-vs-template

Description Reference a virtual-server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-vs-template and template-virtual-server are mutually exclusive

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual server; 'stats-data-disable': Disable statistical data collection for virtual server;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

suppress-internal-loopback

Description Suppress VIP internal loopback programming

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-logging

Description NAT Logging template (NAT Logging template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/template/logging*

template-policy

Description Policy template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

template-virtual-server

Description Virtual server template (Virtual server template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-virtual-server and shared-partition-vs-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/virtual-server*

template-virtual-server-shared

Description Virtual-Server Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/virtual-server*

use-if-ip

Description Use Interface IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-if-ip, ipv6-address, and ip-address are mutually exclusive

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vport-disable-action

Description 'drop-packet': Drop packet for disabled virtual-port;

Type: string

Supported Values: drop-packet

vrid

Description Join a vrrp group (Specify ha VRRP-A vrid)

Type: number

Range: 1-31

port-list

Specification	Value
Type	*list*
Block object keys	

acl-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

aflex-scripts

Type: List

aflex-table-entry-syn-disable

Description Disable aFlex entry sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-disable and aflex-table-entry-syn-enable are mutually exclusive

aflex-table-entry-syn-enable

Description Enable aFlex entry sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-enable and aflex-table-entry-syn-disable are mutually exclusive

alt-protocol1

Description 'http': HTTP Port;

Type: string

Supported Values: http

alt-protocol2

Description 'tcp': TCP LB service;

Type: string

Supported Values: tcp

alternate-port

Description Alternate Virtual Port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: alternate-port and range are mutually exclusive

alternate-port-number

Description Virtual Port

Type: number

Range: 0-65534

attack-detection

Description Enable analytics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *port-list_auth-cfg*

Type: Object

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clientip-sticky-nat

Description Prefer to use same source NAT address for a client

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

cpu-compute

Description enable cpu compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

def-selection-if-pref-failed

Description 'def-selection-if-pref-failed': Use default server selection method if prefer method failed; 'def-selection-if-pref-failed-disable': Stop using default server selection method if prefer method failed;

Type: string

Supported Values: def-selection-if-pref-failed, def-selection-if-pref-failed-disable

Default: def-selection-if-pref-failed

enable-playerid-check

Description Enable playerid checks on UDP packets once the AX is in active mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-scaleout

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-fwd

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-fwd and trunk-fwd are mutually exclusive

eth-rev

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-rev and trunk-rev are mutually exclusive

expand

Description expand syn-cookie with timestamp and wscale

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended-stats

Description Enable extended statistics on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-dns-cache

Description 'force-enable': Always enable; 'force-disable': Always disable; 'depends-on-config': Depends on configurations;

Type: string

Supported Values: force-enable, force-disable, depends-on-config

fast-path

Description 'force': Force fast path in SLB processing; 'disable': Disable fast path in SLB processing;

Type: string

Supported Values: force, disable

force-routing-mode

Description Force routing mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-enable

Description Enable Global Server Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-session-lb

Description Enable GTP Session Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-conn-mirror

Description Enable for HA Conn sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-global

Description Ignore global substitute-source-mac

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-map-list

Description Enter name of IP Map List to be bound (IP Map List Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-only-lb

Description Enable IP-Only LB mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-smart-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipinip

Description Enable IP in IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-hardware-assist

Description FPGA assist L7 packet parsing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-service-chain

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

memory-compute

Description enable dynamic memory compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-switching

Description Message switching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SLB Virtual Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ng-waf

Description Next-gen WAF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-dest-nat

Description Disable destination NAT, this option only supports in wildcard VIP or when a connection is operated in SSLi + EP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

on-syn

Description Enable for HA Conn sync for l4 tcp sessions on SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn

Description Support server that allow only one connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

optimization-level

Description '0': No optimization; '1': Optimization level 1 (Experimental);

Type: string

Supported Values: 0, 1

Default: 0

p-template-sip-shared

Description SIP Template Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: p-template-sip-shared and template-sip are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl*

persist-type

Description 'src-dst-ip-swap-persist': Create persist session after source IP and destination IP swap; 'use-src-ip-for-dst-persist': Use the source IP to create a destination persist session; 'use-dst-ip-for-src-persist': Use the destination IP to create source IP persist session;

Type: string

Supported Values: src-dst-ip-swap-persist, use-src-ip-for-dst-persist, use-dst-ip-for-src-persist

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pool and shared-partition-pool are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

port-number

Description Port

Type: number

Range: 0-65534

port-translation

Description Enable port translation under no-dest-nat

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'mqtt': MQTT Port; 'mqtts': MQTTS Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'ssh': SSH Port; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port; 'fast-fix': Fast FIX port; 'http-over-quic': HTTP3-over-quic port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix, http-over-quic

proxy-layer

Description 'v1': Force using old proxy; 'v2': Force using new proxy;

Type: string

Supported Values: v1, v2

range

Description Virtual Port range (Virtual Port range value)

Type: number

Range: 0-254

Default: 0

Mutual Exclusion: range and alternate-port are mutually exclusive

rate

Description Specify the log message rate

Type: number

Range: 0-2147483647

redirect-to-https

Description Redirect HTTP to HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reply-acme-challenge

Description Reply ACME http-01 challenge. This option only takes effect in HTTP port 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-fail

Description Use alternate virtual port when L7 request fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reselection

Description 'disable': disable;

Type: string

Supported Values: disable

reset

Description Send client reset when connection number over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-on-server-selection-fail

Description Send client reset when server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: reset-on-server-selection-fail and when-server-selection-failed are mutually exclusive

resolve-web-cat-list

Description Web Category List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

rtp-sip-call-id-match

Description rtp traffic try to match the real server of sip smp call-id session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

secs

Description Specify the interval in seconds

Type: number

Range: 1-100

serv-sel-fail

Description Use alternate virtual port when server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-group

Description Bind a use-rcv-hop-for-resp Server Group to this Virtual Server (Server Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server-group*

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-cache-template

Description Reference a Cache template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cache-template and template-cache are mutually exclusive

shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-client-ssl-template and template-client-ssl are mutually exclusive

shared-partition-connection-reuse-template

Description Reference a connection reuse template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-connection-reuse-template and template-connection-reuse are mutually exclusive

shared-partition-dblb-template

Description Reference a dblb template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dblb-template and template-dblb are mutually exclusive

shared-partition-diameter-template

Description Reference a Diameter template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-diameter-template and template-diameter are mutually exclusive

shared-partition-dns-template

Description Reference a dns template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and template-dns are mutually exclusive

shared-partition-doh-template

Description Reference a DNS over HTTP(s) template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-doh-template and template-doh are mutually exclusive

shared-partition-dynamic-service-template

Description Reference a dynamic service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dynamic-service-template and template-dynamic-service are mutually exclusive

shared-partition-external-service-template

Description Reference a external service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-external-service-template and template-external-service are mutually exclusive

shared-partition-fix-template

Description Reference a FIX template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-fix-template and template-fix are mutually exclusive

shared-partition-http-policy-template

Description Reference a http policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-policy-template and template-http-policy are mutually exclusive

shared-partition-http-template

Description Reference a HTTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-template and template-http are mutually exclusive

shared-partition-imap-pop3-template

Description Reference a IMAP/POP3 template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-imap-pop3-template and template-imap-pop3 are mutually exclusive

shared-partition-persist-cookie-template

Description Reference a persist cookie template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-cookie-template and template-persist-cookie are mutually exclusive

shared-partition-persist-destination-ip-template

Description Reference a persist destination ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-destination-ip-template and template-persist-destination-ip are mutually exclusive

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and template-persist-source-ip are mutually exclusive

shared-partition-persist-ssl-sid-template

Description Reference a persist SSL SID template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-ssl-sid-template and template-persist-ssl-sid are mutually exclusive

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-pool

Description Specify NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-quic-template

Description Reference a QUIC template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-quic-template and template-quic are mutually exclusive

shared-partition-server-ssl-template

Description Reference a SSL Server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-ssl-template and template-server-ssl are mutually exclusive

shared-partition-smpp-template

Description Reference a smpp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smpp-template and template-smpp are mutually exclusive

shared-partition-smtp-template

Description Reference a SMTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smtp-template and template-smtp are mutually exclusive

shared-partition-tcp

Description Reference a tcp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp and template-tcp are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and template-tcp-proxy are mutually exclusive

shared-partition-udp

Description Reference a UDP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-udp and template-udp are mutually exclusive

shared-partition-virtual-port-template

Description Reference a Virtual Port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-virtual-port-template and template-virtual-port are mutually exclusive

showtech-print-extended-stats

Description Enable print extended stats in showtech for dns vports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-rev-hash

Description Skip rev tuple hash insertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual port; 'stats-data-disable': Disable statistical data collection for virtual port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

support-http2

Description Support HTTP2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Enable syn-cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cache and shared-partition-cache-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/cache*

template-cache-shared

Description Cache Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cache*

template-client-ssh

Description Client SSH Template (Client SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssh*

template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-client-ssl and shared-partition-client-ssl-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/client-ssl*

template-client-ssl-shared

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

template-connection-reuse

Description Connection Reuse Template (Connection Reuse Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-connection-reuse and shared-partition-connection-reuse-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/connection-reuse*

template-connection-reuse-shared

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/connection-reuse*

template-dblb

Description DBLB Template (DBLB template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dblb and shared-partition-dblb-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dblb*

template-dblb-shared

Description DBLB Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dblb*

template-diameter

Description Diameter Template (diameter template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-diameter and shared-partition-diameter-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/diameter*

template-diameter-shared

Description Diameter Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/diameter*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dns and shared-partition-dns-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dns*

template-dns-shared

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns*

template-doh

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-doh and shared-partition-doh-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/doh*

template-doh-shared

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/doh*

template-dynamic-service

Description Dynamic Service Template (dynamic-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dynamic-service and shared-partition-dynamic-service-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dynamic-service*

template-dynamic-service-shared

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dynamic-service*

template-external-service

Description External service template (external-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-external-service and shared-partition-external-service-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/external-service*

template-external-service-shared

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/external-service*

template-fix

Description FIX template (FIX Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-fix and shared-partition-fix-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/fix*

template-fix-shared

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/fix*

template-ftp

Description FTP port template (Ftp template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/ftp*

template-http

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http and shared-partition-http-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/http*

template-http-policy

Description http-policy template (http-policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http-policy and shared-partition-http-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/http-policy*

template-http-policy-shared

Description Http Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/http-policy*

template-http-shared

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/http*

template-imap-pop3

Description IMAP/POP3 Template (IMAP/POP3 Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-imap-pop3 and shared-partition-imap-pop3-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/imap-pop3*

template-imap-pop3-shared

Description IMAP/POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/imap-pop3*

template-mqtt

Description MQTT Template (MQTT Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/mqtt*

template-persist-cookie

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-cookie and shared-partition-persist-cookie-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/cookie*

template-persist-cookie-shared

Description Cookie Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/cookie*

template-persist-destination-ip

Description Destination IP persistence (Destination IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-destination-ip and shared-partition-persist-destination-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-destination-ip-shared

Description Destination IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-source-ip

Description Source IP persistence (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-ssl-sid

Description SSL SID persistence (SSL SID persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-ssl-sid and shared-partition-persist-ssl-sid-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/ssl-sid*

template-persist-ssl-sid-shared

Description SSL SID Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/ssl-sid*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

template-quic

Description QUIC Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-quic and shared-partition-quic-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/quic*

template-quic-client

Description QUIC Config Client (QUIC Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-quic-server

Description QUIC Config Server (QUIC Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-quic-shared

Description QUIC Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-ram-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cache*

template-reqmod-icap

Description ICAP reqmod template (reqmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/reqmod-icap*

template-respmod-icap

Description ICAP respmod service template (respmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/respmod-icap*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template-server-ssh

Description Server SSH Template (Server SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssh*

template-server-ssl

Description Server Side SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-server-ssl and shared-partition-server-ssl-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/server-ssl*

template-server-ssl-shared

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

template-sip

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-sip and p-template-sip-shared are mutually exclusive

Reference Object: */axapi/v3/slb/template/sip*

template-sip-shared

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/sip*

template-smpp

Description SMPP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smpp and shared-partition-smpp-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/smpp*

template-smpp-shared

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/smpp*

template-smtp

Description SMTP Template (SMTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smtp and shared-partition-smtp-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/smtp*

template-smtp-shared

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/smtp*

template-ssli

Description SSLi template (SSLi Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/ssli*

template-tcp

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-tcp and shared-partition-tcp are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp*

template-tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-client

Description TCP Proxy Config Client (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-server

Description TCP Proxy Config Server (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-shared

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/tcp*

template-udp

Description L4 UDP Template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-udp and shared-partition-udp are mutually exclusive

Reference Object: */axapi/v3/slb/template/udp*

template-udp-shared

Description UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/udp*

template-virtual-port

Description Virtual port template (Virtual port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-virtual-port and shared-partition-virtual-port-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/virtual-port*

template-virtual-port-shared

Description Virtual Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/virtual-port*

trunk-fwd

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-fwd and eth-fwd are mutually exclusive

trunk-rev

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-rev and eth-rev are mutually exclusive

use-alternate-port

Description Use alternate virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-cgnv6

Description Follow CGNv6 source NAT configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-default-if-no-server

Description Use default forwarding if server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-for-resp

Description Use receive hop for response to client(For packets on default-vlan, also config "vlan-global enable-def-vlan-l2-forwarding".)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-group

Description Set use-rcv-hop group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

view

Description Specify a GSLB View (ID)

Type: number

Range: 1-31

when-down

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-down-protocol2

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-server-selection-failed

Description 'send-504': Stay functional up and response with HTTP 504;

Type: string

Supported Values: send-504

Mutual Exclusion: when-server-selection-failed and reset-on-server-selection-fail are mutually exclusive

port-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current established connections; 'total_l4_conn': Total L4 connections established; 'total_l7_conn': Total L7 connections established; 'total_tcp_conn': Total TCP connections established; 'total_conn': Total connections established; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_dns_pkts': Total DNS packets processed; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total failure actions; 'compression_bytes_before': Data into gzip compression engine; 'compression_bytes_after': Data out of gzip compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn': Peak connections; 'curr_conn_rate':

Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'loc_permit': Geo-location Permit count; 'loc_deny': Geo-location Deny count; 'loc_conn': Geo-location Connection count; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'backend-time-to-first-byte': Backend Time from Request to Response First Byte; 'backend-time-to-last-byte': Backend Time from Request to Response Last Byte; 'in-latency': Request Latency at Thunder; 'out-latency': Response Latency at Thunder; 'total_fwd_bytes_out': Bytes processed in forward direction (outbound); 'total_fwd_pkts_out': Packets processed in forward direction (outbound); 'total_rev_bytes_out': Bytes processed in reverse direction (outbound); 'total_rev_pkts_out': Packets processed in reverse direction (outbound); 'curr_req_rate': Current request rate; 'curr_resp': Current response; 'total_resp': Total response; 'total_resp_succ': Total successful responses; 'curr_resp_rate': Current response rate; 'dnsrrl_total_allowed': DNS Response-Rate-Limiting Total Responses Allowed; 'dnsrrl_total_dropped': DNS Response-Rate-Limiting Total Responses Dropped; 'dnsrrl_total_slipped': DNS Response-Rate-Limiting Total Responses Slipped; 'dnsrrl_bad_fqdn': DNS Response-Rate-Limiting Bad FQDN; 'throughput-bits-per-sec': Throughput in bits/sec; 'dynamic-memory-alloc': dynamic memory (bytes) allocated by the vport; 'dynamic-memory-free': dynamic memory (bytes) allocated by the vport; 'dynamic-memory': dynamic memory (bytes) used by the vport(alloc-free); 'ip_only_lb_fwd_bytes': IP-Only-LB Bytes processed in forward direction; 'ip_only_lb_rev_bytes': IP-Only-LB Bytes processed in reverse direction; 'ip_only_lb_fwd_pkts': IP-Only-LB Packets processed in forward direction; 'ip_only_lb_rev_pkts': IP-Only-LB Packets processed in reverse direction; 'total_dns_filter_type_drop': Total DNS Filter Type Drop; 'total_dns_filter_class_drop': Total DNS Filter Class Drop; 'dns_filter_type_a_drop': DNS Filter Type A Drop; 'dns_filter_type_aaaa_drop': DNS Filter Type AAAA Drop; 'dns_filter_type_cname_drop': DNS Filter Type CNAME Drop; 'dns_filter_type_mx_drop': DNS Filter Type MX Drop; 'dns_filter_type_ns_drop': DNS Filter Type NS Drop; 'dns_filter_type_srv_drop': DNS Filter Type SRV Drop; 'dns_filter_type_ptr_drop': DNS Filter Type PTR Drop; 'dns_filter_type_soa_drop': DNS Filter Type SOA Drop; 'dns_filter_type_txt_drop': DNS Filter Type TXT Drop; 'dns_filter_type_any_drop': DNS Filter Type Any Drop; 'dns_filter_type_others_drop': DNS Filter Type OTHERS Drop; 'dns_filter_class_internet_drop': DNS Filter Class INTERNET Drop; 'dns_filter_class_chaos_drop': DNS Filter Class CHAOS Drop; 'dns_filter_class_hesiod_drop': DNS Filter Class HESIOD Drop; 'dns_filter_class_none_drop': DNS Filter Class NONE Drop; 'dns_filter_class_any_drop': DNS Filter Class ANY Drop; 'dns_filter_class_others_drop': DNS Filter Class OTHERS Drop; 'dns_rpz_action_drop': DNS RPZ Action Drop; 'dns_rpz_action_pass_thru': DNS RPZ Action Pass Through; 'dns_rpz_action_tcp_only': DNS RPZ Action TCP Only; 'dns_rpz_action_nxdomain': DNS RPZ Action NXDOMAIN; 'dns_rpz_action_nodata': DNS RPZ Action NODATA; 'dns_rpz_action_local_data': DNS RPZ Action Local Data; 'dns_rpz_trigger_client_ip': DNS RPZ Trigger Client IP; 'dns_rpz_trigger_resp_ip': DNS RPZ Trigger Response IP; 'dns_rpz_trigger_ns_ip': DNS RPZ Trigger NS IP; 'dns_rpz_trigger_qname': DNS RPZ Trigger Qname IP; 'dns_rpz_trigger_ns_name': DNS RPZ Trigger NS Name; 'compression_bytes_before_br': Data into brotli compression engine; 'compression_bytes_after_br': Data out of brotli compression engine; 'compression_bytes_before_total': Data into compression engine; 'compression_bytes_after_total': Data out of compression engine; 'compression_hit_br': Number of requests compressed with brotli; 'compression_miss_br': Number of requests NOT compressed with brotli; 'compression_hit_total': Number of requests compressed; 'compression_miss_total': Number of requests NOT compressed; 'dnsrrl_total_tc': DNS Response-Rate-Limiting Total Responses Replied With Truncated; 'http1_client_idle_timeout': HTTP1 Client Idle Timeout; 'http2_client_idle_timeout': HTTP2 Client Idle Timeout;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, total_tcp_conn, total_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time, loc_permit, loc_deny, loc_conn, curr_ssl_conn, total_ssl_conn, backend-time-to-first-byte, backend-time-to-last-byte, in-latency, out-latency, total_fwd_bytes_out, total_fwd_pkts_out, total_rev_bytes_out, total_rev_pkts_out, curr_req_rate, curr_resp, total_resp, total_resp_succ, curr_resp_rate, dnsrrl_total_allowed, dnsrrl_total_dropped, dnsrrl_total_slipped, dnsrrl_bad_fqdn, throughput-bits-per-sec, dynamic-memory-alloc, dynamic-memory-free, dynamic-memory, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts, total_dns_filter_type_drop, total_dns_filter_class_drop, dns_filter_type_a_drop, dns_filter_type_aaaa_drop, dns_filter_type_cname_drop, dns_filter_type_mx_drop, dns_filter_type_ns_drop, dns_filter_type_srv_drop, dns_filter_type_ptr_drop, dns_filter_type_soa_drop, dns_filter_type_txt_drop, dns_filter_type_any_drop, dns_filter_type_others_drop, dns_filter_class_internet_drop, dns_filter_class_chaos_drop, dns_filter_class_hesiod_drop, dns_filter_class_none_drop, dns_filter_class_any_drop, dns_filter_class_others_drop, dns_rpz_action_drop, dns_rpz_action_pass_thru, dns_rpz_action_tcp_only, dns_rpz_action_nxdomain, dns_rpz_action_nodata, dns_rpz_action_local_data, dns_rpz_trigger_client_ip, dns_rpz_trigger_resp_ip, dns_rpz_trigger_ns_ip, dns_rpz_trigger_qname, dns_rpz_trigger_ns_name, compression_bytes_before_br, compression_bytes_after_br, compression_bytes_before_total, compression_bytes_after_total, compression_hit_br, compression_miss_br, compression_hit_total, compression_miss_total, dnsrrl_total_tc, http1_client_idle_timeout, http2_client_idle_timeout, dnsrrl_nx_exceed

port-list_acl-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

Mutual Exclusion: acl-id, p-acl, and shared-partition-acl are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-shared

Description acl id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-id-src-nat-pool and shared-partition-pool-id are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-shared

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-src-nat-pool, shared-partition-pool-name, and v-shared-partition-pool-name are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-id and acl-id-src-nat-pool are mutually exclusive

shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

v-acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: v-acl-id-src-nat-pool and v-shared-partition-pool-id are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

v-acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

v-acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

v-acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

v-shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-id and v-acl-id-src-nat-pool are mutually exclusive

v-shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

port-list_aflex-scripts

Specification	Value
Type	*list*
Block object keys	

aflex

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

aflex-shared

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

port-list_auth-cfg

Specification	Value
Type	*object*

aaa-policy

Description Specify AAA policy name to bind to the virtual port

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/aaa-policy*

migrate-vip

Specification	Value
Type	*object*

cancel-migration

Description Cancel migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: cancel-migration and finish-migration are mutually exclusive

finish-migration

Description Complete the migration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: finish-migration and cancel-migration are mutually exclusive

target-data-cpu

Description Number of CPUs on the target platform

Type: number

Range: 1-75

target-floating-ipv4

Description Specify IP address

Type: string

Format: ipv4-address

Mutual Exclusion: target-floating-ipv4 and target-floating-ipv6 are mutually exclusive

target-floating-ipv6

Description Specify IPv6 address

Type: string

Format: ipv6-address

Mutual Exclusion: target-floating-ipv6 and target-floating-ipv4 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.120.334 slb virtual-server migrate-vip oper

Operational Status for the object migrate-vip

migrate-vip Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	migrate-vip
Element URI	/axapi/v3/slb/virtual-server/{name}/migrate-vip/oper
Element Attributes	migrate-vip_attributes
Partition Visibility	None
Schema	`migrate-vip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/virtual-server/{name}/migrate-vip/oper

migrate-vip attributes

Get Object

GET

/axapi/v3/slb/virtual-server/{name}/migrate-vip/oper

migrate-vip attributes

Modify Object

POST

/axapi/v3/slb/virtual-server/{name}/migrate-vip/oper

migrate-vip attributes

Replace Object

PUT

/axapi/v3/slb/virtual-server/{name}/migrate-vip/oper

migrate-vip attributes

Delete Object

DELETE

/axapi/v3/slb/virtual-server/{name}/migrate-vip/oper

migrate-vip attributes

migrate-vip attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

state

Description

Type: string

Supported Values: Sync started, Sync complete, Quiet mode, Not in migration

2.120.335 slb virtual-server oper

Operational Status for the object virtual-server

virtual-server Specification

Parameter	Value
Type	*Collection*
Collection Name	*virtual-server-list*
Collection URI	/axapi/v3/slb/virtual-server/{name}
Element Name	virtual-server
Element URI	/axapi/v3/slb/virtual-server/{name}/oper
Element Attributes	virtual-server_attributes
Partition Visibility	None
Schema	`virtual-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

Create List

POST

/axapi/v3/slb/virtual-server/{name}

virtual-server attributes

Get Object

GET

/axapi/v3/slb/virtual-server/{name}/oper

virtual-server attributes

Get List

GET

/axapi/v3/slb/virtual-server/{name}

virtual-server-list

Modify Object

POST

/axapi/v3/slb/virtual-server/{name}/oper

virtual-server attributes

Replace Object

PUT

/axapi/v3/slb/virtual-server/{name}/oper

virtual-server attributes

Replace List

PUT

/axapi/v3/slb/virtual-server/{name}

virtual-server-list

Delete Object

DELETE

/axapi/v3/slb/virtual-server/{name}/oper

virtual-server attributes

virtual-server-list

virtual-server-list is **JSON List** of *virtual-server attributes*

virtual-server-list : [

{ *virtual-server attributes* },

{ *virtual-server attributes* },

...

]

virtual-server attributes

migrate-vip

Description: migrate-vip is a **JSON Block**. Please see below for *migrate-vip*

Type: Object

Reference Object: */axapi/v3/slb/virtual-server/{name}/migrate-vip*

name

Description SLB Virtual Server Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-list

Type: List

Reference Object: */axapi/v3/slb/virtual-server/{name}/migrate-vip/port/{port-number}+{protocol}*

oper

Specification	Value
Type	*object*

conn-rate-unit

Description

Type: string

Supported Values: 100ms, second

curr-conn-overflow

Description

Type: number

curr-conn-rate

Description

Type: number

curr-icmp-rate

Description

Type: number

curr-icmpv6-rate

Description

Type: number

icmp-lockup-time-left

Description

Type: number

icmp-rate-over-limit-drop

Description

Type: number

icmpv6-lockup-time-left

Description

Type: number

icmpv6-rate-over-limit-drop

Description

Type: number

ip-address

Description

Type: string

Format: ipv4-address

ip_only_lb_fwd_bytes

Description

Type: number

ip_only_lb_fwd_pkts

Description

Type: number

ip_only_lb_rev_bytes

Description

Type: number

ip_only_lb_rev_pkts

Description

Type: number

ipv6-address

Description

Type: string

Format: ipv6-address

mac

Description

Type: string

migration-status

Description

Type: string

peak-conn

Description

Type: number

state

Description

Type: string

Supported Values: All Up, Functional Up, Partial Up, Down, Disb, Unkn

migrate-vip

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *migrate-vip_oper*

Type: Object

migrate-vip_oper

Specification	Value
Type	*object*

state

Description

Type: string

Supported Values: Sync started, Sync complete, Quiet mode, Not in migration

port-list

Specification	Value
Type	*list*
Block object keys	

oper

Description: oper is a **JSON Block**. Please see below for *port-list_oper*

Type: Object

port-number

Description Port

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'mqtt': MQTT Port; 'mqtts': MQTTS Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'ssh': SSH Port; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port; 'fast-fix': Fast FIX port; 'http-over-quic': HTTP3-over-quic port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix, http-over-quic

port-list_oper

Specification	Value
Type	*object*

clear_curr_conn

Description

Type: boolean

Supported Values: true, false, 1, 0

cpu-count

Description

Type: number

curr_conn_overflow

Description

Type: number

geo_location

Description

Type: string

group_id

Description

Type: number

http-hits-list

Type: List

http-vport-cpu-list

Type: List

http_host_hits

Description

Type: boolean

Supported Values: true, false, 1, 0

http_url_hits

Description

Type: boolean

Supported Values: true, false, 1, 0

http_vport

Description

Type: boolean

Supported Values: true, false, 1, 0

int_curr_conn

Description

Type: number

level_str

Description

Type: string

loc_error

Description

Type: number

loc_last

Description

Type: string

loc_list

Description

Type: string

loc_max_depth

Description

Type: number

loc_override

Description

Type: number

loc_success

Description

Type: number

print_extended_stats

Description

Type: number

real_curr_conn

Description

Type: number

state

Description

Type: string

Supported Values: All Up, Functional Up, Down, Disb, Unkn

port-list_oper_http-hits-list

Specification	Value
Type	*list*
Block object keys	

hits-count

Description

Type: number

name

Description Name

Type: string

port-list_oper_http-vport-cpu-list

Specification	Value
Type	*list*
Block object keys	

REQ_100m

Description

Type: number

REQ_100u

Description

Type: number

REQ_10m

Description

Type: number

REQ_10u

Description

Type: number

REQ_1m

Description

Type: number

REQ_1s

Description

Type: number

REQ_200m

Description

Type: number

REQ_200u

Description

Type: number

REQ_20m

Description

Type: number

REQ_20u

Description

Type: number

REQ_2m

Description

Type: number

REQ_2s

Description

Type: number

REQ_500m

Description

Type: number

REQ_500u

Description

Type: number

REQ_50m

Description

Type: number

REQ_50u

Description

Type: number

REQ_5m

Description

Type: number

REQ_5s

Description

Type: number

REQ_OVER_5s

Description

Type: number

chunk_sz_1k

Description

Type: number

chunk_sz_2k

Description

Type: number

chunk_sz_4k

Description

Type: number

chunk_sz_512

Description

Type: number

chunk_sz_gt_4k

Description

Type: number

curr_http2_conn

Description

Type: number

doh_dns_malformed_query

Description

Type: number

doh_dns_query_type_a

Description

Type: number

doh_dns_query_type_aaaa

Description

Type: number

doh_dns_query_type_any

Description

Type: number

doh_dns_query_type_cname

Description

Type: number

doh_dns_query_type_mx

Description

Type: number

doh_dns_query_type_ns

Description

Type: number

doh_dns_query_type_others

Description

Type: number

doh_dns_query_type_soa

Description

Type: number

doh_dns_query_type_srv

Description

Type: number

doh_dns_resp_rcode_err_format

Description

Type: number

doh_dns_resp_rcode_err_name

Description

Type: number

doh_dns_resp_rcode_err_server

Description

Type: number

doh_dns_resp_rcode_err_type

Description

Type: number

doh_dns_resp_rcode_notauth

Description

Type: number

doh_dns_resp_rcode_notzone

Description

Type: number

doh_dns_resp_rcode_nxrrset

Description

Type: number

doh_dns_resp_rcode_other

Description

Type: number

doh_dns_resp_rcode_refuse

Description

Type: number

doh_dns_resp_rcode_yxdomain

Description

Type: number

doh_dns_resp_rcode_yxrrset

Description

Type: number

doh_get_base64_decode_failed

Description

Type: number

doh_get_dns_arg_failed

Description

Type: number

doh_get_uri_too_long

Description

Type: number

doh_malloc_fail

Description

Type: number

doh_non_doh_method

Description

Type: number

doh_non_doh_req

Description

Type: number

doh_non_doh_req_get

Description

Type: number

doh_non_doh_req_post

Description

Type: number

doh_path_not_found

Description

Type: number

doh_post_content_type_mismatch

Description

Type: number

doh_post_payload_extract_failed

Description

Type: number

doh_post_payload_not_found

Description

Type: number

doh_post_payload_too_large

Description

Type: number

doh_query_time_out

Description

Type: number

doh_req

Description

Type: number

doh_req_get

Description

Type: number

doh_req_post

Description

Type: number

doh_req_send_failed

Description

Type: number

doh_req_tcp_retry

Description

Type: number

doh_req_tcp_retry_fail

Description

Type: number

doh_req_udp_retry

Description

Type: number

doh_req_udp_retry_fail

Description

Type: number

doh_resp

Description

Type: number

doh_resp_header_alloc_failed

Description

Type: number

doh_resp_que_failed

Description

Type: number

doh_resp_send_failed

Description

Type: number

doh_resp_setup_failed

Description

Type: number

doh_resp_tcp_frags

Description

Type: number

doh_resp_udp_frags

Description

Type: number

doh_retry_w_tcp

Description

Type: number

doh_serv_sel_failed

Description

Type: number

doh_snat_failed

Description

Type: number

doh_tc_resp

Description

Type: number

doh_tcp_dns_req

Description

Type: number

doh_tcp_dns_resp

Description

Type: number

doh_tcp_send_failed

Description

Type: number

doh_udp_dns_req

Description

Type: number

doh_udp_dns_resp

Description

Type: number

doh_udp_send_failed

Description

Type: number

header_length_long

Description

Type: number

http2_control_bytes

Description

Type: number

http2_data_bytes

Description

Type: number

http2_goaway_received

Description

Type: number

http2_goaway_sent

Description

Type: number

http2_header_bytes

Description

Type: number

http2_reset_received

Description

Type: number

http2_reset_sent

Description

Type: number

jsi_api_no_auth_hdr

Description

Type: number

jsi_api_no_token

Description

Type: number

jsi_api_requests

Description

Type: number

jsi_api_responses

Description

Type: number

jsi_hash_add_fails

Description

Type: number

jsi_hash_lookup_fails

Description

Type: number

jsi_pri_requests

Description

Type: number

jsi_requests

Description

Type: number

jsi_responses

Description

Type: number

jsi_skip_no_fi

Description

Type: number

jsi_skip_no_ua

Description

Type: number

jsi_skip_not_browser

Description

Type: number

peak_http2_conn

Description

Type: number

req_connect

Description

Type: number

req_content_len

Description

Type: number

req_delete

Description

Type: number

req_get

Description

Type: number

req_head

Description

Type: number

req_options

Description

Type: number

req_post

Description

Type: number

req_put

Description

Type: number

req_sz_16k

Description

Type: number

req_sz_1k

Description

Type: number

req_sz_256k

Description

Type: number

req_sz_2k

Description

Type: number

req_sz_32k

Description

Type: number

req_sz_4k

Description

Type: number

req_sz_64k

Description

Type: number

req_sz_8k

Description

Type: number

req_sz_gt_256k

Description

Type: number

req_trace

Description

Type: number

req_track

Description

Type: number

req_unknown

Description

Type: number

rsp_chunk

Description

Type: number

rsp_sz_16k

Description

Type: number

rsp_sz_1k

Description

Type: number

rsp_sz_256k

Description

Type: number

rsp_sz_2k

Description

Type: number

rsp_sz_32k

Description

Type: number

rsp_sz_4k

Description

Type: number

rsp_sz_64k

Description

Type: number

rsp_sz_8k

Description

Type: number

rsp_sz_gt_256k

Description

Type: number

status_100

Description

Type: number

status_101

Description

Type: number

status_102

Description

Type: number

status_103

Description

Type: number

status_1xx

Description

Type: number

status_200

Description

Type: number

status_201

Description

Type: number

status_202

Description

Type: number

status_203

Description

Type: number

status_204

Description

Type: number

status_205

Description

Type: number

status_206

Description

Type: number

status_207

Description

Type: number

status_2xx

Description

Type: number

status_300

Description

Type: number

status_301

Description

Type: number

status_302

Description

Type: number

status_303

Description

Type: number

status_304

Description

Type: number

status_305

Description

Type: number

status_306

Description

Type: number

status_307

Description

Type: number

status_3xx

Description

Type: number

status_400

Description

Type: number

status_401

Description

Type: number

status_402

Description

Type: number

status_403

Description

Type: number

status_404

Description

Type: number

status_405

Description

Type: number

status_406

Description

Type: number

status_407

Description

Type: number

status_408

Description

Type: number

status_409

Description

Type: number

status_410

Description

Type: number

status_411

Description

Type: number

status_412

Description

Type: number

status_413

Description

Type: number

status_414

Description

Type: number

status_415

Description

Type: number

status_416

Description

Type: number

status_417

Description

Type: number

status_418

Description

Type: number

status_422

Description

Type: number

status_423

Description

Type: number

status_424

Description

Type: number

status_425

Description

Type: number

status_426

Description

Type: number

status_449

Description

Type: number

status_450

Description

Type: number

status_4xx

Description

Type: number

status_500

Description

Type: number

status_501

Description

Type: number

status_502

Description

Type: number

status_503

Description

Type: number

status_504

Description

Type: number

status_504_ax

Description

Type: number

status_505

Description

Type: number

status_506

Description

Type: number

status_507

Description

Type: number

status_508

Description

Type: number

status_509

Description

Type: number

status_510

Description

Type: number

status_5xx

Description

Type: number

status_6xx

Description

Type: number

status_unknown

Description

Type: number

stream_closed

Description

Type: number

total_http2_bytes

Description

Type: number

total_http2_conn

Description

Type: number

total_requests

Description

Type: number

transaction_limited

Description

Type: number

ws_client_switch

Description

Type: number

ws_handshake_request

Description

Type: number

ws_handshake_success

Description

Type: number

ws_server_switch

Description

Type: number

2.120.336 slb virtual-server port

Virtual Port

port Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*port-number, protocol*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/virtual-server/{name}/port
Element Name	port
Element URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}
Element Attributes	port_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats
Operational Data URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/oper
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/virtual-server/{name}/port

port attributes

Create List

POST

/axapi/v3/slb/virtual-server/{name}/port

port attributes

Get Object

GET

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Get List

GET

/axapi/v3/slb/virtual-server/{name}/port

port-list

Modify Object

POST

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Replace Object

PUT

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Replace List

PUT

/axapi/v3/slb/virtual-server/{name}/port

port-list

Delete Object

DELETE

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

…

]

port attributes

acl-list

Type: List

action

Description 'enable': Enable; 'disable': Disable;

Type: string

Supported Values: enable, disable

Default: enable

aflex-scripts

Type: List

aflex-table-entry-syn-disable

Description Disable aFlex entry sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-disable and aflex-table-entry-syn-enable are mutually exclusive

aflex-table-entry-syn-enable

Description Enable aFlex entry sync for this port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: aflex-table-entry-syn-enable and aflex-table-entry-syn-disable are mutually exclusive

alt-protocol1

Description 'http': HTTP Port;

Type: string

Supported Values: http

alt-protocol2

Description 'tcp': TCP LB service;

Type: string

Supported Values: tcp

alternate-port

Description Alternate Virtual Port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: alternate-port and range are mutually exclusive

alternate-port-number

Description Virtual Port

Type: number

Range: 0-65534

attack-detection

Description Enable analytics

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

auth-cfg

Description: auth-cfg is a **JSON Block**. Please see below for *auth-cfg*

Type: Object

auto

Description Configure auto NAT for the vport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clientip-sticky-nat

Description Prefer to use same source NAT address for a client

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

conn-limit

Description Connection Limit

Type: number

Range: 1-64000000

Default: 64000000

cpu-compute

Description enable cpu compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

def-selection-if-pref-failed

Description 'def-selection-if-pref-failed': Use default server selection method if prefer method failed; 'def-selection-if-pref-failed-disable': Stop using default server selection method if prefer method failed;

Type: string

Supported Values: def-selection-if-pref-failed, def-selection-if-pref-failed-disable

Default: def-selection-if-pref-failed

enable-playerid-check

Description Enable playerid checks on UDP packets once the AX is in active mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-scaleout

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-fwd

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-fwd and trunk-fwd are mutually exclusive

eth-rev

Description Ethernet interface number

Type: number

Format: interface

Mutual Exclusion: eth-rev and trunk-rev are mutually exclusive

expand

Description expand syn-cookie with timestamp and wscale

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

extended-stats

Description Enable extended statistics on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fast-dns-cache

Description 'force-enable': Always enable; 'force-disable': Always disable; 'depends-on-config': Depends on configurations;

Type: string

Supported Values: force-enable, force-disable, depends-on-config

fast-path

Description 'force': Force fast path in SLB processing; 'disable': Disable fast path in SLB processing;

Type: string

Supported Values: force, disable

force-routing-mode

Description Force routing mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb-enable

Description Enable Global Server Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-session-lb

Description Enable GTP Session Load Balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ha-conn-mirror

Description Enable for HA Conn sync

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-global

Description Ignore global substitute-source-mac

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-map-list

Description Enter name of IP Map List to be bound (IP Map List Name)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ip-only-lb

Description Enable IP-Only LB mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-smart-rr

Description Use IP address round-robin behavior

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipinip

Description Enable IP in IP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-hardware-assist

Description FPGA assist L7 packet parsing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l7-service-chain

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

memory-compute

Description enable dynamic memory compute on virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-switching

Description Message switching

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

name

Description SLB Virtual Service Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

ng-waf

Description Next-gen WAF

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-auto-up-on-aflex

Description Don't automatically mark vport up when aFleX is bound

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-dest-nat

Description Disable destination NAT, this option only supports in wildcard VIP or when a connection is operated in SSLi + EP mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

no-logging

Description Do not log connection over limit event

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

on-syn

Description Enable for HA Conn sync for l4 tcp sessions on SYN

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

one-server-conn

Description Support server that allow only one connection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

optimization-level

Description '0': No optimization; '1': Optimization level 1 (Experimental);

Type: string

Supported Values: 0, 1

Default: 0

p-template-sip-shared

Description SIP Template Name

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: p-template-sip-shared and template-sip are mutually exclusive

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/slb-vport-tmpl*

persist-type

Description 'src-dst-ip-swap-persist': Create persist session after source IP and destination IP swap; 'use-src-ip-for-dst-persist': Use the source IP to create a destination persist session; 'use-dst-ip-for-src-persist': Use the destination IP to create source IP persist session;

Type: string

Supported Values: src-dst-ip-swap-persist, use-src-ip-for-dst-persist, use-dst-ip-for-src-persist

pool

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: pool and shared-partition-pool are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

pool-shared

Description Specify NAT pool or pool group

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

port-number

Description Port

Type: number

Range: 0-65534

port-translation

Description Enable port translation under no-dest-nat

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

precedence

Description Set auto NAT pool as higher precedence for source NAT

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'mqtt': MQTT Port; 'mqtts': MQTTS Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'ssh': SSH Port; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port; 'fast-fix': Fast FIX port; 'http-over-quic': HTTP3-over-quic port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix, http-over-quic

proxy-layer

Description 'v1': Force using old proxy; 'v2': Force using new proxy;

Type: string

Supported Values: v1, v2

range

Description Virtual Port range (Virtual Port range value)

Type: number

Range: 0-254

Default: 0

Mutual Exclusion: range and alternate-port are mutually exclusive

rate

Description Specify the log message rate

Type: number

Range: 0-2147483647

redirect-to-https

Description Redirect HTTP to HTTPS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reply-acme-challenge

Description Reply ACME http-01 challenge. This option only takes effect in HTTP port 80

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

req-fail

Description Use alternate virtual port when L7 request fail

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reselection

Description 'disable': disable;

Type: string

Supported Values: disable

reset

Description Send client reset when connection number over limit

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reset-on-server-selection-fail

Description Send client reset when server selection fails

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: reset-on-server-selection-fail and when-server-selection-failed are mutually exclusive

resolve-web-cat-list

Description Web Category List name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/web-category/category-list*

rtp-sip-call-id-match

Description rtp traffic try to match the real server of sip smp call-id session

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sampling-enable

Type: List

secs

Description Specify the interval in seconds

Type: number

Range: 1-100

serv-sel-fail

Description Use alternate virtual port when server selection failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-group

Description Bind a use-rcv-hop-for-resp Server Group to this Virtual Server (Server Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/server-group*

service-group

Description Bind a Service Group to this Virtual Server (Service Group Name)

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/service-group*

shared-partition-cache-template

Description Reference a Cache template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-cache-template and template-cache are mutually exclusive

shared-partition-client-ssl-template

Description Reference a Client SSL template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-client-ssl-template and template-client-ssl are mutually exclusive

shared-partition-connection-reuse-template

Description Reference a connection reuse template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-connection-reuse-template and template-connection-reuse are mutually exclusive

shared-partition-dblb-template

Description Reference a dblb template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dblb-template and template-dblb are mutually exclusive

shared-partition-diameter-template

Description Reference a Diameter template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-diameter-template and template-diameter are mutually exclusive

shared-partition-dns-template

Description Reference a dns template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dns-template and template-dns are mutually exclusive

shared-partition-doh-template

Description Reference a DNS over HTTP(s) template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-doh-template and template-doh are mutually exclusive

shared-partition-dynamic-service-template

Description Reference a dynamic service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-dynamic-service-template and template-dynamic-service are mutually exclusive

shared-partition-external-service-template

Description Reference a external service template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-external-service-template and template-external-service are mutually exclusive

shared-partition-fix-template

Description Reference a FIX template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-fix-template and template-fix are mutually exclusive

shared-partition-http-policy-template

Description Reference a http policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-policy-template and template-http-policy are mutually exclusive

shared-partition-http-template

Description Reference a HTTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-http-template and template-http are mutually exclusive

shared-partition-imap-pop3-template

Description Reference a IMAP/POP3 template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-imap-pop3-template and template-imap-pop3 are mutually exclusive

shared-partition-persist-cookie-template

Description Reference a persist cookie template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-cookie-template and template-persist-cookie are mutually exclusive

shared-partition-persist-destination-ip-template

Description Reference a persist destination ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-destination-ip-template and template-persist-destination-ip are mutually exclusive

shared-partition-persist-source-ip-template

Description Reference a persist source ip template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-source-ip-template and template-persist-source-ip are mutually exclusive

shared-partition-persist-ssl-sid-template

Description Reference a persist SSL SID template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-persist-ssl-sid-template and template-persist-ssl-sid are mutually exclusive

shared-partition-policy-template

Description Reference a policy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-policy-template and template-policy are mutually exclusive

shared-partition-pool

Description Specify NAT pool or pool group from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool and pool are mutually exclusive

shared-partition-quic-template

Description Reference a QUIC template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-quic-template and template-quic are mutually exclusive

shared-partition-server-ssl-template

Description Reference a SSL Server template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-server-ssl-template and template-server-ssl are mutually exclusive

shared-partition-smpp-template

Description Reference a smpp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smpp-template and template-smpp are mutually exclusive

shared-partition-smtp-template

Description Reference a SMTP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-smtp-template and template-smtp are mutually exclusive

shared-partition-tcp

Description Reference a tcp template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp and template-tcp are mutually exclusive

shared-partition-tcp-proxy-template

Description Reference a TCP Proxy template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-tcp-proxy-template and template-tcp-proxy are mutually exclusive

shared-partition-udp

Description Reference a UDP template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-udp and template-udp are mutually exclusive

shared-partition-virtual-port-template

Description Reference a Virtual Port template from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-virtual-port-template and template-virtual-port are mutually exclusive

showtech-print-extended-stats

Description Enable print extended stats in showtech for dns vports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

skip-rev-hash

Description Skip rev tuple hash insertion

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snat-on-vip

Description Enable source NAT traffic against VIP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

stats-data-action

Description 'stats-data-enable': Enable statistical data collection for virtual port; 'stats-data-disable': Disable statistical data collection for virtual port;

Type: string

Supported Values: stats-data-enable, stats-data-disable

Default: stats-data-enable

substitute-source-mac

Description Substitute Source MAC Address to that of the outgoing interface

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

support-http2

Description Support HTTP2

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn-cookie

Description Enable syn-cookie

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-cache and shared-partition-cache-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/cache*

template-cache-shared

Description Cache Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cache*

template-client-ssh

Description Client SSH Template (Client SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssh*

template-client-ssl

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-client-ssl and shared-partition-client-ssl-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/client-ssl*

template-client-ssl-shared

Description Client SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/client-ssl*

template-connection-reuse

Description Connection Reuse Template (Connection Reuse Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-connection-reuse and shared-partition-connection-reuse-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/connection-reuse*

template-connection-reuse-shared

Description Connection Reuse Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/connection-reuse*

template-dblb

Description DBLB Template (DBLB template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dblb and shared-partition-dblb-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dblb*

template-dblb-shared

Description DBLB Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dblb*

template-diameter

Description Diameter Template (diameter template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-diameter and shared-partition-diameter-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/diameter*

template-diameter-shared

Description Diameter Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/diameter*

template-dns

Description DNS template (DNS template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dns and shared-partition-dns-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dns*

template-dns-shared

Description DNS Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dns*

template-doh

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-doh and shared-partition-doh-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/doh*

template-doh-shared

Description DNS over HTTP(s) Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/doh*

template-dynamic-service

Description Dynamic Service Template (dynamic-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-dynamic-service and shared-partition-dynamic-service-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/dynamic-service*

template-dynamic-service-shared

Description Dynamic Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/dynamic-service*

template-external-service

Description External service template (external-service template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-external-service and shared-partition-external-service-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/external-service*

template-external-service-shared

Description External Service Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/external-service*

template-fix

Description FIX template (FIX Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-fix and shared-partition-fix-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/fix*

template-fix-shared

Description FIX Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/fix*

template-ftp

Description FTP port template (Ftp template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/ftp*

template-http

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http and shared-partition-http-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/http*

template-http-policy

Description http-policy template (http-policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-http-policy and shared-partition-http-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/http-policy*

template-http-policy-shared

Description Http Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/http-policy*

template-http-shared

Description HTTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/http*

template-imap-pop3

Description IMAP/POP3 Template (IMAP/POP3 Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-imap-pop3 and shared-partition-imap-pop3-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/imap-pop3*

template-imap-pop3-shared

Description IMAP/POP3 Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/imap-pop3*

template-mqtt

Description MQTT Template (MQTT Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/mqtt*

template-persist-cookie

Description Cookie persistence (Cookie persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-cookie and shared-partition-persist-cookie-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/cookie*

template-persist-cookie-shared

Description Cookie Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/cookie*

template-persist-destination-ip

Description Destination IP persistence (Destination IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-destination-ip and shared-partition-persist-destination-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-destination-ip-shared

Description Destination IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/destination-ip*

template-persist-source-ip

Description Source IP persistence (Source IP persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-source-ip and shared-partition-persist-source-ip-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-source-ip-shared

Description Source IP Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/source-ip*

template-persist-ssl-sid

Description SSL SID persistence (SSL SID persistence template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-persist-ssl-sid and shared-partition-persist-ssl-sid-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/persist/ssl-sid*

template-persist-ssl-sid-shared

Description SSL SID Persistence Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/persist/ssl-sid*

template-policy

Description Policy Template (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-policy and shared-partition-policy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/policy*

template-policy-shared

Description Policy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

template-quic

Description QUIC Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-quic and shared-partition-quic-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/quic*

template-quic-client

Description QUIC Config Client (QUIC Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-quic-server

Description QUIC Config Server (QUIC Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-quic-shared

Description QUIC Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/quic*

template-ram-cache

Description RAM caching template (Cache Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/cache*

template-reqmod-icap

Description ICAP reqmod template (reqmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/reqmod-icap*

template-respmod-icap

Description ICAP respmod service template (respmod-icap template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/respmod-icap*

template-scaleout

Description Scaleout template (Scaleout template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

template-server-ssh

Description Server SSH Template (Server SSH Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssh*

template-server-ssl

Description Server Side SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-server-ssl and shared-partition-server-ssl-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/server-ssl*

template-server-ssl-shared

Description Server SSL Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/server-ssl*

template-sip

Description SIP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-sip and p-template-sip-shared are mutually exclusive

Reference Object: */axapi/v3/slb/template/sip*

template-sip-shared

Description SIP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/sip*

template-smpp

Description SMPP template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smpp and shared-partition-smpp-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/smpp*

template-smpp-shared

Description SMPP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/smpp*

template-smtp

Description SMTP Template (SMTP Config Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-smtp and shared-partition-smtp-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/smtp*

template-smtp-shared

Description SMTP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/smtp*

template-ssli

Description SSLi template (SSLi Template Name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/ssli*

template-tcp

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-tcp and shared-partition-tcp are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp*

template-tcp-proxy

Description TCP Proxy Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Mutual Exclusion: template-tcp-proxy and shared-partition-tcp-proxy-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-client

Description TCP Proxy Config Client (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-server

Description TCP Proxy Config Server (TCP Proxy Config name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-proxy-shared

Description TCP Proxy Template name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/tcp-proxy*

template-tcp-shared

Description TCP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/tcp*

template-udp

Description L4 UDP Template

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-udp and shared-partition-udp are mutually exclusive

Reference Object: */axapi/v3/slb/template/udp*

template-udp-shared

Description UDP Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Reference Object: */axapi/v3/slb/template/udp*

template-virtual-port

Description Virtual port template (Virtual port template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Default: default

Mutual Exclusion: template-virtual-port and shared-partition-virtual-port-template are mutually exclusive

Reference Object: */axapi/v3/slb/template/virtual-port*

template-virtual-port-shared

Description Virtual Port Template Name

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/virtual-port*

trunk-fwd

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-fwd and eth-fwd are mutually exclusive

trunk-rev

Description Trunk interface number

Type: number

Format: interface

Mutual Exclusion: trunk-rev and eth-rev are mutually exclusive

use-alternate-port

Description Use alternate virtual port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-cgnv6

Description Follow CGNv6 source NAT configuration

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-default-if-no-server

Description Use default forwarding if server selection failed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-for-resp

Description Use receive hop for response to client(For packets on default-vlan, also config "vlan-global enable-def-vlan-l2-forwarding".)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

use-rcv-hop-group

Description Set use-rcv-hop group

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

view

Description Specify a GSLB View (ID)

Type: number

Range: 1-31

when-down

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-down-protocol2

Description Use alternate virtual port when down

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

when-server-selection-failed

Description 'send-504': Stay functional up and response with HTTP 504;

Type: string

Supported Values: send-504

Mutual Exclusion: when-server-selection-failed and reset-on-server-selection-fail are mutually exclusive

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_conn': Current established connections; 'total_l4_conn': Total L4 connections established; 'total_l7_conn': Total L7 connections established; 'total_tcp_conn': Total TCP connections established; 'total_conn': Total connections established; 'total_fwd_bytes': Bytes processed in forward direction; 'total_fwd_pkts': Packets processed in forward direction; 'total_rev_bytes': Bytes processed in reverse direction; 'total_rev_pkts': Packets processed in reverse direction; 'total_dns_pkts': Total DNS packets processed; 'total_mf_dns_pkts': Total MF DNS packets; 'es_total_failure_actions': Total

failure actions; 'compression_bytes_before': Data into gzip compression engine; 'compression_bytes_after': Data out of gzip compression engine; 'compression_hit': Number of requests compressed; 'compression_miss': Number of requests NOT compressed; 'compression_miss_no_client': Compression miss no client; 'compression_miss_template_exclusion': Compression miss template exclusion; 'curr_req': Current requests; 'total_req': Total requests; 'total_req_succ': Total successful requests; 'peak_conn': Peak connections; 'curr_conn_rate': Current connection rate; 'last_rsp_time': Last response time; 'fastest_rsp_time': Fastest response time; 'slowest_rsp_time': Slowest response time; 'loc_permit': Geo-location Permit count; 'loc_deny': Geo-location Deny count; 'loc_conn': Geo-location Connection count; 'curr_ssl_conn': Current SSL connections; 'total_ssl_conn': Total SSL connections; 'backend-time-to-first-byte': Backend Time from Request to Response First Byte; 'backend-time-to-last-byte': Backend Time from Request to Response Last Byte; 'in-latency': Request Latency at Thunder; 'out-latency': Response Latency at Thunder; 'total_fwd_bytes_out': Bytes processed in forward direction (outbound); 'total_fwd_pkts_out': Packets processed in forward direction (outbound); 'total_rev_bytes_out': Bytes processed in reverse direction (outbound); 'total_rev_pkts_out': Packets processed in reverse direction (outbound); 'curr_req_rate': Current request rate; 'curr_resp': Current response; 'total_resp': Total response; 'total_resp_succ': Total successful responses; 'curr_resp_rate': Current response rate; 'dnsrrl_total_allowed': DNS Response-Rate-Limiting Total Responses Allowed; 'dnsrrl_total_dropped': DNS Response-Rate-Limiting Total Responses Dropped; 'dnsrrl_total_slipped': DNS Response-Rate-Limiting Total Responses Slipped; 'dnsrrl_bad_fqdn': DNS Response-Rate-Limiting Bad FQDN; 'throughput-bits-per-sec': Throughput in bits/sec; 'dynamic-memory-alloc': dynamic memory (bytes) allocated by the vport; 'dynamic-memory-free': dynamic memory (bytes) allocated by the vport; 'dynamic-memory': dynamic memory (bytes) used by the vport(alloc-free); 'ip_only_lb_fwd_bytes': IP-Only-LB Bytes processed in forward direction; 'ip_only_lb_rev_bytes': IP-Only-LB Bytes processed in reverse direction; 'ip_only_lb_fwd_pkts': IP-Only-LB Packets processed in forward direction; 'ip_only_lb_rev_pkts': IP-Only-LB Packets processed in reverse direction; 'total_dns_filter_type_drop': Total DNS Filter Type Drop; 'total_dns_filter_class_drop': Total DNS Filter Class Drop; 'dns_filter_type_a_drop': DNS Filter Type A Drop; 'dns_filter_type_aaaa_drop': DNS Filter Type AAAA Drop; 'dns_filter_type_cname_drop': DNS Filter Type CNAME Drop; 'dns_filter_type_mx_drop': DNS Filter Type MX Drop; 'dns_filter_type_ns_drop': DNS Filter Type NS Drop; 'dns_filter_type_srv_drop': DNS Filter Type SRV Drop; 'dns_filter_type_ptr_drop': DNS Filter Type PTR Drop; 'dns_filter_type_soa_drop': DNS Filter Type SOA Drop; 'dns_filter_type_txt_drop': DNS Filter Type TXT Drop; 'dns_filter_type_any_drop': DNS Filter Type Any Drop; 'dns_filter_type_others_drop': DNS Filter Type OTHERS Drop; 'dns_filter_class_internet_drop': DNS Filter Class INTERNET Drop; 'dns_filter_class_chaos_drop': DNS Filter Class CHAOS Drop; 'dns_filter_class_hesiod_drop': DNS Filter Class HESIOD Drop; 'dns_filter_class_none_drop': DNS Filter Class NONE Drop; 'dns_filter_class_any_drop': DNS Filter Class ANY Drop; 'dns_filter_class_others_drop': DNS Filter Class OTHERS Drop; 'dns_rpz_action_drop': DNS RPZ Action Drop; 'dns_rpz_action_pass_thru': DNS RPZ Action Pass Through; 'dns_rpz_action_tcp_only': DNS RPZ Action TCP Only; 'dns_rpz_action_nxdomain': DNS RPZ Action NXDOMAIN; 'dns_rpz_action_nodata': DNS RPZ Action NODATA; 'dns_rpz_action_local_data': DNS RPZ Action Local Data; 'dns_rpz_trigger_client_ip': DNS RPZ Trigger Client IP; 'dns_rpz_trigger_resp_ip': DNS RPZ Trigger Response IP; 'dns_rpz_trigger_ns_ip': DNS RPZ Trigger NS IP; 'dns_rpz_trigger_qname': DNS RPZ Trigger Qname IP; 'dns_rpz_trigger_ns_name': DNS RPZ Trigger NS Name; 'compression_bytes_before_br': Data into brotli compression engine; 'compression_bytes_after_br': Data out of brotli compression engine; 'compression_bytes_before_total': Data into compression engine; 'compression_bytes_after_total': Data out of compression engine; 'compression_hit_br': Number of requests compressed with brotli; 'compression_miss_br': Number of requests NOT compressed with brotli;

'compression_hit_total': Number of requests compressed; 'compression_miss_total': Number of requests NOT compressed; 'dnsrrl_total_tc': DNS Response-Rate-Limiting Total Responses Replied With Truncated; 'http1_client_idle_timeout': HTTP1 Client Idle Timeout; 'http2_client_idle_timeout': HTTP2 Client Idle Timeout;

Type: string

Supported Values: all, curr_conn, total_l4_conn, total_l7_conn, total_tcp_conn, total_conn, total_fwd_bytes, total_fwd_pkts, total_rev_bytes, total_rev_pkts, total_dns_pkts, total_mf_dns_pkts, es_total_failure_actions, compression_bytes_before, compression_bytes_after, compression_hit, compression_miss, compression_miss_no_client, compression_miss_template_exclusion, curr_req, total_req, total_req_succ, peak_conn, curr_conn_rate, last_rsp_time, fastest_rsp_time, slowest_rsp_time, loc_permit, loc_deny, loc_conn, curr_ssl_conn, total_ssl_conn, backend-time-to-first-byte, backend-time-to-last-byte, in-latency, out-latency, total_fwd_bytes_out, total_fwd_pkts_out, total_rev_bytes_out, total_rev_pkts_out, curr_req_rate, curr_resp, total_resp, total_resp_succ, curr_resp_rate, dnsrrl_total_allowed, dnsrrl_total_dropped, dnsrrl_total_slipped, dnsrrl_bad_fqdn, throughput-bits-per-sec, dynamic-memory-alloc, dynamic-memory-free, dynamic-memory, ip_only_lb_fwd_bytes, ip_only_lb_rev_bytes, ip_only_lb_fwd_pkts, ip_only_lb_rev_pkts, total_dns_filter_type_drop, total_dns_filter_class_drop, dns_filter_type_a_drop, dns_filter_type_aaaa_drop, dns_filter_type_cname_drop, dns_filter_type_mx_drop, dns_filter_type_ns_drop, dns_filter_type_srv_drop, dns_filter_type_ptr_drop, dns_filter_type_soa_drop, dns_filter_type_txt_drop, dns_filter_type_any_drop, dns_filter_type_others_drop, dns_filter_class_internet_drop, dns_filter_class_chaos_drop, dns_filter_class_hesiod_drop, dns_filter_class_none_drop, dns_filter_class_any_drop, dns_filter_class_others_drop, dns_rpz_action_drop, dns_rpz_action_pass_thru, dns_rpz_action_tcp_only, dns_rpz_action_nxdomain, dns_rpz_action_nodata, dns_rpz_action_local_data, dns_rpz_trigger_client_ip, dns_rpz_trigger_resp_ip, dns_rpz_trigger_ns_ip, dns_rpz_trigger_qname, dns_rpz_trigger_ns_name, compression_bytes_before_br, compression_bytes_after_br, compression_bytes_before_total, compression_bytes_after_total, compression_hit_br, compression_miss_br, compression_hit_total, compression_miss_total, dnsrrl_total_tc, http1_client_idle_timeout, http2_client_idle_timeout, dnsrrl_nx_exceed

acl-list

Specification	Value
Type	*list*
Block object keys	

acl-id

Description ACL id VPORT

Type: number

Range: 1-199

Mutual Exclusion: acl-id, p-acl, and shared-partition-acl are mutually exclusive

Reference Object: */axapi/v3/access-list/standard*

acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-id-shared

Description acl id

Type: number

Range: 1-199

Reference Object: */axapi/v3/access-list/standard*

acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-id-src-nat-pool and shared-partition-pool-id are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

acl-name

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

acl-name-shared

Description Apply an access list name (Named Access List)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/access-list*

acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: acl-name-src-nat-pool, shared-partition-pool-name, and v-shared-partition-pool-name are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-id and acl-id-src-nat-pool are mutually exclusive

shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

v-acl-id-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-id-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Mutual Exclusion: v-acl-id-src-nat-pool and v-shared-partition-pool-id are mutually exclusive

Reference Object: */axapi/v3/ip/nat/pool*

v-acl-id-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

v-acl-name-seq-num

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-seq-num-shared

Description Specify ACL precedence (sequence-number)

Type: number

Range: 1-32

v-acl-name-src-nat-pool

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

v-acl-name-src-nat-pool-shared

Description Policy based Source NAT (NAT Pool or Pool Group)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/ip/nat/pool*

v-shared-partition-pool-id

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-id and v-acl-id-src-nat-pool are mutually exclusive

v-shared-partition-pool-name

Description Policy based Source NAT from shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: v-shared-partition-pool-name and acl-name-src-nat-pool are mutually exclusive

aflex-scripts

Specification	Value
Type	*list*
Block object keys	

aflex

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

aflex-shared

Description aFleX Script Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

auth-cfg

Specification	Value
Type	*object*

aaa-policy

Description Specify AAA policy name to bind to the virtual port

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/aam/aaa-policy*

2.120.337 slb virtual-server port oper

Operational Status for the object port

port Specification

Parameter	Value
Type	*Collection*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}
Element Name	port
Element URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/oper
Element Attributes	port_attributes
Partition Visibility	None
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Create List

POST

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Get Object

GET

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/oper

port attributes

Get List

GET

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port-list

Modify Object

POST

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/oper

port attributes

Replace Object

PUT

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/oper

port attributes

Replace List

PUT

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port-list

Delete Object

DELETE

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/oper

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

port-number

Description Port

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'mqtt': MQTT Port; 'mqtts': MQTTS Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'ssh': SSH Port; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port; 'fast-fix': Fast FIX port; 'http-over-quic': HTTP3-over-quic port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix, http-over-quic

oper

Specification	Value
Type	*object*

clear_curr_conn

Description

Type: boolean

Supported Values: true, false, 1, 0

cpu-count

Description

Type: number

curr_conn_overflow

Description

Type: number

geo_location

Description

Type: string

group_id

Description

Type: number

http-hits-list

Type: List

http-vport-cpu-list

Type: List

http_host_hits

Description

Type: boolean

Supported Values: true, false, 1, 0

http_url_hits

Description

Type: boolean

Supported Values: true, false, 1, 0

http_vport

Description

Type: boolean

Supported Values: true, false, 1, 0

int_curr_conn

Description

Type: number

level_str

Description

Type: string

loc_error

Description

Type: number

loc_last

Description

Type: string

loc_list

Description

Type: string

loc_max_depth

Description

Type: number

loc_override

Description

Type: number

loc_success

Description

Type: number

print_extended_stats

Description

Type: number

real_curr_conn

Description

Type: number

state

Description

Type: string

Supported Values: All Up, Functional Up, Down, Disb, Unkn

oper_http-hits-list

Specification	Value
Type	*list*
Block object keys	

hits-count

Description

Type: number

name

Description Name

Type: string

oper_http-vport-cpu-list

Specification	Value
Type	*list*
Block object keys	

REQ_100m

Description

Type: number

REQ_100u

Description

Type: number

REQ_10m

Description

Type: number

REQ_10u

Description

Type: number

REQ_1m

Description

Type: number

REQ_1s

Description

Type: number

REQ_200m

Description

Type: number

REQ_200u

Description

Type: number

REQ_20m

Description

Type: number

REQ_20u

Description

Type: number

REQ_2m

Description

Type: number

REQ_2s

Description

Type: number

REQ_500m

Description

Type: number

REQ_500u

Description

Type: number

REQ_50m

Description

Type: number

REQ_50u

Description

Type: number

REQ_5m

Description

Type: number

REQ_5s

Description

Type: number

REQ_OVER_5s

Description

Type: number

chunk_sz_1k

Description

Type: number

chunk_sz_2k

Description

Type: number

chunk_sz_4k

Description

Type: number

chunk_sz_512

Description

Type: number

chunk_sz_gt_4k

Description

Type: number

curr_http2_conn

Description

Type: number

doh_dns_malformed_query

Description

Type: number

doh_dns_query_type_a

Description

Type: number

doh_dns_query_type_aaaa

Description

Type: number

doh_dns_query_type_any

Description

Type: number

doh_dns_query_type_cname

Description

Type: number

doh_dns_query_type_mx

Description

Type: number

doh_dns_query_type_ns

Description

Type: number

doh_dns_query_type_others

Description

Type: number

doh_dns_query_type_soa

Description

Type: number

doh_dns_query_type_srv

Description

Type: number

doh_dns_resp_rcode_err_format

Description

Type: number

doh_dns_resp_rcode_err_name

Description

Type: number

doh_dns_resp_rcode_err_server

Description

Type: number

doh_dns_resp_rcode_err_type

Description

Type: number

doh_dns_resp_rcode_notauth

Description

Type: number

doh_dns_resp_rcode_notzone

Description

Type: number

doh_dns_resp_rcode_nxrrset

Description

Type: number

doh_dns_resp_rcode_other

Description

Type: number

doh_dns_resp_rcode_refuse

Description

Type: number

doh_dns_resp_rcode_yxdomain

Description

Type: number

doh_dns_resp_rcode_yxrrset

Description

Type: number

doh_get_base64_decode_failed

Description

Type: number

doh_get_dns_arg_failed

Description

Type: number

doh_get_uri_too_long

Description

Type: number

doh_malloc_fail

Description

Type: number

doh_non_doh_method

Description

Type: number

doh_non_doh_req

Description

Type: number

doh_non_doh_req_get

Description

Type: number

doh_non_doh_req_post

Description

Type: number

doh_path_not_found

Description

Type: number

doh_post_content_type_mismatch

Description

Type: number

doh_post_payload_extract_failed

Description

Type: number

doh_post_payload_not_found

Description

Type: number

doh_post_payload_too_large

Description

Type: number

doh_query_time_out

Description

Type: number

doh_req

Description

Type: number

doh_req_get

Description

Type: number

doh_req_post

Description

Type: number

doh_req_send_failed

Description

Type: number

doh_req_tcp_retry

Description

Type: number

doh_req_tcp_retry_fail

Description

Type: number

doh_req_udp_retry

Description

Type: number

doh_req_udp_retry_fail

Description

Type: number

doh_resp

Description

Type: number

doh_resp_header_alloc_failed

Description

Type: number

doh_resp_que_failed

Description

Type: number

doh_resp_send_failed

Description

Type: number

doh_resp_setup_failed

Description

Type: number

doh_resp_tcp_frags

Description

Type: number

doh_resp_udp_frags

Description

Type: number

doh_retry_w_tcp

Description

Type: number

doh_serv_sel_failed

Description

Type: number

doh_snat_failed

Description

Type: number

doh_tc_resp

Description

Type: number

doh_tcp_dns_req

Description

Type: number

doh_tcp_dns_resp

Description

Type: number

doh_tcp_send_failed

Description

Type: number

doh_udp_dns_req

Description

Type: number

doh_udp_dns_resp

Description

Type: number

doh_udp_send_failed

Description

Type: number

header_length_long

Description

Type: number

http2_control_bytes

Description

Type: number

http2_data_bytes

Description

Type: number

http2_goaway_received

Description

Type: number

http2_goaway_sent

Description

Type: number

http2_header_bytes

Description

Type: number

http2_reset_received

Description

Type: number

http2_reset_sent

Description

Type: number

jsi_api_no_auth_hdr

Description

Type: number

jsi_api_no_token

Description

Type: number

jsi_api_requests

Description

Type: number

jsi_api_responses

Description

Type: number

jsi_hash_add_fails

Description

Type: number

jsi_hash_lookup_fails

Description

Type: number

jsi_pri_requests

Description

Type: number

jsi_requests

Description

Type: number

jsi_responses

Description

Type: number

jsi_skip_no_fi

Description

Type: number

jsi_skip_no_ua

Description

Type: number

jsi_skip_not_browser

Description

Type: number

peak_http2_conn

Description

Type: number

req_connect

Description

Type: number

req_content_len

Description

Type: number

req_delete

Description

Type: number

req_get

Description

Type: number

req_head

Description

Type: number

req_options

Description

Type: number

req_post

Description

Type: number

req_put

Description

Type: number

req_sz_16k

Description

Type: number

req_sz_1k

Description

Type: number

req_sz_256k

Description

Type: number

req_sz_2k

Description

Type: number

req_sz_32k

Description

Type: number

req_sz_4k

Description

Type: number

req_sz_64k

Description

Type: number

req_sz_8k

Description

Type: number

req_sz_gt_256k

Description

Type: number

req_trace

Description

Type: number

req_track

Description

Type: number

req_unknown

Description

Type: number

rsp_chunk

Description

Type: number

rsp_sz_16k

Description

Type: number

rsp_sz_1k

Description

Type: number

rsp_sz_256k

Description

Type: number

rsp_sz_2k

Description

Type: number

rsp_sz_32k

Description

Type: number

rsp_sz_4k

Description

Type: number

rsp_sz_64k

Description

Type: number

rsp_sz_8k

Description

Type: number

rsp_sz_gt_256k

Description

Type: number

status_100

Description

Type: number

status_101

Description

Type: number

status_102

Description

Type: number

status_103

Description

Type: number

status_1xx

Description

Type: number

status_200

Description

Type: number

status_201

Description

Type: number

status_202

Description

Type: number

status_203

Description

Type: number

status_204

Description

Type: number

status_205

Description

Type: number

status_206

Description

Type: number

status_207

Description

Type: number

status_2xx

Description

Type: number

status_300

Description

Type: number

status_301

Description

Type: number

status_302

Description

Type: number

status_303

Description

Type: number

status_304

Description

Type: number

status_305

Description

Type: number

status_306

Description

Type: number

status_307

Description

Type: number

status_3xx

Description

Type: number

status_400

Description

Type: number

status_401

Description

Type: number

status_402

Description

Type: number

status_403

Description

Type: number

status_404

Description

Type: number

status_405

Description

Type: number

status_406

Description

Type: number

status_407

Description

Type: number

status_408

Description

Type: number

status_409

Description

Type: number

status_410

Description

Type: number

status_411

Description

Type: number

status_412

Description

Type: number

status_413

Description

Type: number

status_414

Description

Type: number

status_415

Description

Type: number

status_416

Description

Type: number

status_417

Description

Type: number

status_418

Description

Type: number

status_422

Description

Type: number

status_423

Description

Type: number

status_424

Description

Type: number

status_425

Description

Type: number

status_426

Description

Type: number

status_449

Description

Type: number

status_450

Description

Type: number

status_4xx

Description

Type: number

status_500

Description

Type: number

status_501

Description

Type: number

status_502

Description

Type: number

status_503

Description

Type: number

status_504

Description

Type: number

status_504_ax

Description

Type: number

status_505

Description

Type: number

status_506

Description

Type: number

status_507

Description

Type: number

status_508

Description

Type: number

status_509

Description

Type: number

status_510

Description

Type: number

status_5xx

Description

Type: number

status_6xx

Description

Type: number

status_unknown

Description

Type: number

stream_closed

Description

Type: number

total_http2_bytes

Description

Type: number

total_http2_conn

Description

Type: number

total_requests

Description

Type: number

transaction_limited

Description

Type: number

ws_client_switch

Description

Type: number

ws_handshake_request

Description

Type: number

ws_handshake_success

Description

Type: number

ws_server_switch

Description

Type: number

2.120.338 slb virtual-server port stats

Statistics for the object port

port Specification

Parameter	Value
Type	*Collection*
Collection Name	*port-list*
Collection URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}
Element Name	port
Element URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats
Element Attributes	port_attributes
Partition Visibility	None
Statistics Data URI	/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats/stats
Schema	`port schema`

Operations Allowed:

Create Object

POST

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Create List

POST

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port attributes

Get Object

GET

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats

port attributes

Get List

GET

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port-list

Modify Object

POST

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats

port attributes

Replace Object

PUT

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats

port attributes

Replace List

PUT

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}

port-list

Delete Object

DELETE

/axapi/v3/slb/virtual-server/{name}/port/{port-number}+{protocol}/stats

port attributes

port-list

port-list is **JSON List** of *port attributes*

port-list : [

{ *port attributes* },

{ *port attributes* },

...

]

port attributes

port-number

Description Port

Type: number

Range: 0-65534

protocol

Description 'tcp': TCP LB service; 'udp': UDP Port; 'others': for no tcp/udp protocol, do IP load balancing; 'diameter': diameter port; 'dns-tcp': DNS service over TCP; 'dns-udp': DNS service over UDP; 'fast-http': Fast HTTP Port; 'fix': FIX Port; 'ftp': File Transfer Protocol Port; 'ftp-proxy': ftp proxy port; 'http': HTTP Port; 'https': HTTPS port; 'imap': imap proxy port; 'mlb': Message based load balancing; 'mms': Microsoft Multimedia Service Port; 'mysql': mssql port; 'mssql': mssql; 'pop3': pop3 proxy port; 'radius': RADIUS Port; 'rtsp': Real Time Streaming Protocol Port; 'sip': Session initiation protocol over UDP; 'sip-tcp': Session initiation protocol over TCP; 'sips': Session initiation protocol over TLS; 'smpp-tcp': SMPP service over TCP; 'spdy': spdy port; 'spdys': spdys port; 'smtp': SMTP Port; 'mqtt': MQTT Port; 'mqtts': MQTTS Port; 'ssl-proxy': Generic SSL proxy; 'ssli': SSL insight; 'ssh': SSH Port; 'tcp-proxy': Generic TCP proxy; 'tftp': TFTP Port; 'fast-fix': Fast FIX port; 'http-over-quic': HTTP3-over-quic port;

Type: string

Supported Values: tcp, udp, others, diameter, dns-tcp, dns-udp, fast-http, fix, ftp, ftp-proxy, http, https, imap, mlb, mms, mysql, mssql, pop3, radius, rtsp, sip, sip-tcp, sips, smpp-tcp, spdy, spdys, smtp, mqtt, mqtts, ssl-proxy, ssli, ssh, tcp-proxy, tftp, fast-fix, http-over-quic

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

backend-time-to-first-byte

Description Backend Time from Request to Response First Byte

Type: number

Format: counter

backend-time-to-last-byte

Description Backend Time from Request to Response Last Byte

Type: number

Format: counter

compression_bytes_after

Description Data out of gzip compression engine

Type: number

Format: counter

compression_bytes_after_br

Description Data out of brotli compression engine

Type: number

Format: counter

compression_bytes_after_total

Description Data out of compression engine

Type: number

Format: counter

compression_bytes_before

Description Data into gzip compression engine

Type: number

Format: counter

compression_bytes_before_br

Description Data into brotli compression engine

Type: number

Format: counter

compression_bytes_before_total

Description Data into compression engine

Type: number

Format: counter

compression_hit

Description Number of requests compressed

Type: number

Format: counter

compression_hit_br

Description Number of requests compressed with brotli

Type: number

Format: counter

compression_hit_total

Description Number of requests compressed

Type: number

Format: counter

compression_miss

Description Number of requests NOT compressed

Type: number

Format: counter

compression_miss_br

Description Number of requests NOT compressed with brotli

Type: number

Format: counter

compression_miss_no_client

Description Compression miss no client

Type: number

Format: counter

compression_miss_template_exclusion

Description Compression miss template exclusion

Type: number

Format: counter

compression_miss_total

Description Number of requests NOT compressed

Type: number

Format: counter

curr_conn

Description Current established connections

Type: number

Format: counter

curr_conn_rate

Description Current connection rate

Type: number

Format: counter

curr_req

Description Current requests

Type: number

Format: counter

curr_req_rate

Description Current request rate

Type: number

Format: counter

curr_resp

Description Current response

Type: number

Format: counter

curr_resp_rate

Description Current response rate

Type: number

Format: counter

curr_ssl_conn

Description Current SSL connections

Type: number

Format: counter

dns_filter_class_any_drop

Description DNS Filter Class ANY Drop

Type: number

Format: counter

dns_filter_class_chaos_drop

Description DNS Filter Class CHAOS Drop

Type: number

Format: counter

dns_filter_class_hesiod_drop

Description DNS Filter Class HESIOD Drop

Type: number

Format: counter

dns_filter_class_internet_drop

Description DNS Filter Class INTERNET Drop

Type: number

Format: counter

dns_filter_class_none_drop

Description DNS Filter Class NONE Drop

Type: number

Format: counter

dns_filter_class_others_drop

Description DNS Filter Class OTHERS Drop

Type: number

Format: counter

dns_filter_type_a_drop

Description DNS Filter Type A Drop

Type: number

Format: counter

dns_filter_type_aaaa_drop

Description DNS Filter Type AAAA Drop

Type: number

Format: counter

dns_filter_type_any_drop

Description DNS Filter Type Any Drop

Type: number

Format: counter

dns_filter_type_cname_drop

Description DNS Filter Type CNAME Drop

Type: number

Format: counter

dns_filter_type_mx_drop

Description DNS Filter Type MX Drop

Type: number

Format: counter

dns_filter_type_ns_drop

Description DNS Filter Type NS Drop

Type: number

Format: counter

dns_filter_type_others_drop

Description DNS Filter Type OTHERS Drop

Type: number

Format: counter

dns_filter_type_ptr_drop

Description DNS Filter Type PTR Drop

Type: number

Format: counter

dns_filter_type_soa_drop

Description DNS Filter Type SOA Drop

Type: number

Format: counter

dns_filter_type_srv_drop

Description DNS Filter Type SRV Drop

Type: number

Format: counter

dns_filter_type_txt_drop

Description DNS Filter Type TXT Drop

Type: number

Format: counter

dns_rpz_action_drop

Description DNS RPZ Action Drop

Type: number

Format: counter

dns_rpz_action_local_data

Description DNS RPZ Action Local Data

Type: number

Format: counter

dns_rpz_action_nodata

Description DNS RPZ Action NODATA

Type: number

Format: counter

dns_rpz_action_nxdomain

Description DNS RPZ Action NXDOMAIN

Type: number

Format: counter

dns_rpz_action_pass_thru

Description DNS RPZ Action Pass Through

Type: number

Format: counter

dns_rpz_action_tcp_only

Description DNS RPZ Action TCP Only

Type: number

Format: counter

dns_rpz_trigger_client_ip

Description DNS RPZ Trigger Client IP

Type: number

Format: counter

dns_rpz_trigger_ns_ip

Description DNS RPZ Trigger NS IP

Type: number

Format: counter

dns_rpz_trigger_ns_name

Description DNS RPZ Trigger NS Name

Type: number

Format: counter

dns_rpz_trigger_qname

Description DNS RPZ Trigger Qname IP

Type: number

Format: counter

dns_rpz_trigger_resp_ip

Description DNS RPZ Trigger Response IP

Type: number

Format: counter

dnsrrl_bad_fqdn

Description DNS Response-Rate-Limiting Bad FQDN

Type: number

Format: counter

dnsrrl_nx_exceed

Description DNS Response-Rate-Limiting NX Responses Exceed Limit

Type: number

Format: counter

dnsrrl_total_allowed

Description DNS Response-Rate-Limiting Total Responses Allowed

Type: number

Format: counter

dnsrrl_total_dropped

Description DNS Response-Rate-Limiting Total Responses Dropped

Type: number

Format: counter

dnsrrl_total_slipped

Description DNS Response-Rate-Limiting Total Responses Slipped

Type: number

Format: counter

dnsrrl_total_tc

Description DNS Response-Rate-Limiting Total Responses Replied With Truncated

Type: number

Format: counter

dynamic-memory

Description dynamic memory (bytes) used by the vport(alloc-free)

Type: number

Format: counter

es_total_failure_actions

Description Total failure actions

Type: number

Format: counter

fastest_rsp_time

Description Fastest response time

Type: number

Format: counter

http1_client_idle_timeout

Description HTTP1 Client Idle Timeout

Type: number

Format: counter

http2_client_idle_timeout

Description HTTP2 Client Idle Timeout

Type: number

Format: counter

in-latency

Description Request Latency at Thunder

Type: number

Format: counter

ip_only_lb_fwd_bytes

Description IP-Only-LB Bytes processed in forward direction

Type: number

Format: counter

ip_only_lb_fwd_pkts

Description IP-Only-LB Packets processed in forward direction

Type: number

Format: counter

ip_only_lb_rev_bytes

Description IP-Only-LB Bytes processed in reverse direction

Type: number

Format: counter

ip_only_lb_rev_pkts

Description IP-Only-LB Packets processed in reverse direction

Type: number

Format: counter

last_rsp_time

Description Last response time

Type: number

Format: counter

loc_conn

Description Geo-location Connection count

Type: number

Format: counter

loc_deny

Description Geo-location Deny count

Type: number

Format: counter

loc_permit

Description Geo-location Permit count

Type: number

Format: counter

out-latency

Description Response Latency at Thunder

Type: number

Format: counter

peak_conn

Description Peak connections

Type: number

Format: counter

slowest_rsp_time

Description Slowest response time

Type: number

Format: counter

throughput-bits-per-sec

Description Throughput in bits/sec

Type: number

Format: counter

total_conn

Description Total connections established

Type: number

Format: counter

total_dns_filter_class_drop

Description Total DNS Filter Class Drop

Type: number

Format: counter

total_dns_filter_type_drop

Description Total DNS Filter Type Drop

Type: number

Format: counter

total_dns_pkts

Description Total DNS packets processed

Type: number

Format: counter

total_fwd_bytes

Description Bytes processed in forward direction

Type: number

Format: counter

total_fwd_bytes_out

Description Bytes processed in forward direction (outbound)

Type: number

Format: counter

total_fwd_pkts

Description Packets processed in forward direction

Type: number

Format: counter

total_fwd_pkts_out

Description Packets processed in forward direction (outbound)

Type: number

Format: counter

total_l4_conn

Description Total L4 connections established

Type: number

Format: counter

total_l7_conn

Description Total L7 connections established

Type: number

Format: counter

total_mf_dns_pkts

Description Total MF DNS packets

Type: number

Format: counter

total_req

Description Total requests

Type: number

Format: counter

total_req_succ

Description Total successful requests

Type: number

Format: counter

total_resp

Description Total response

Type: number

Format: counter

total_resp_succ

Description Total successful responses

Type: number

Format: counter

total_rev_bytes

Description Bytes processed in reverse direction

Type: number

Format: counter

total_rev_bytes_out

Description Bytes processed in reverse direction (outbound)

Type: number

Format: counter

total_rev_pkts

Description Packets processed in reverse direction

Type: number

Format: counter

total_rev_pkts_out

Description Packets processed in reverse direction (outbound)

Type: number

Format: counter

total_ssl_conn

Description Total SSL connections

Type: number

Format: counter

total_tcp_conn

Description Total TCP connections established

Type: number

Format: counter

2.121 smtp

Objects:

2.121.1 smtp

Configure SMTP Server

smtp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	smtp
Element URI	/axapi/v3/smtp
Element Attributes	smtp_attributes
Partition Visibility	shared
Schema	`smtp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/smtp

smtp attributes

```
POST /axapi/v3/smtp
Payload:
{
    "smtp": {
        "smtp-server": "a"
    }
}
```

Get Object

GET

/axapi/v3/smtp

smtp attributes

```
GET /axapi/v3/smtp
Reponse:
{
    "smtp": {
        "smtp-server": "a",
        "needauthentication": 0,
        "uuid": "3f33dc24-b6df-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/smtp"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/smtp

smtp attributes

Replace Object

PUT

/axapi/v3/smtp

smtp attributes

```
PUT /axapi/v3/smtp
Payload:
{
    "smtp": {
        "smtp-server": "abcd"
    }
}
```

Delete Object

DELETE

/axapi/v3/smtp

smtp attributes

```
DELETE /axapi/v3/smtp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

smtp attributes

mailfrom

Description Configure email source address

Type: string

Format: email-addr

Maximum Length: 63 characters

Maximum Length: 1 characters

needauthentication

Description Configure SMTP server need authtication

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

port

Description Configure SMTP Port (Configure SMTP port, default is 25)

Type: number

Range: 1-65535

smtp-server

Description Configure SMTP Server (length:1-254)

Type: string

Format: host

Maximum Length: 254 characters

Maximum Length: 1 characters

Mutual Exclusion: smtp-server and smtp-server-v6 are mutually exclusive

smtp-server-v6

Description Configure SMTP Server IPV6 address

Type: string

Format: ipv6-address

Mutual Exclusion: smtp-server-v6 and smtp-server are mutually exclusive

use-mgmt-port

Description Use management port as source port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

username-cfg

Description: username-cfg is a **JSON Block**. Please see below for *username-cfg*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

username-cfg

Specification	Value
Type	*object*

password

Description: password is a **JSON Block**. Please see below for *username-cfg_password*

Type: Object

username

Description Configure SMTP login username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

username-cfg_password

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED password string)

smtp-password

Description Configure SMTP login password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

2.122 snmp-server

Objects:

2.122.1 snmp-server

Configure SNMP engine parameters

snmp-server Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	snmp-server
Element URI	/axapi/v3/snmp-server
Element Attributes	snmp-server_attributes
Partition Visibility	shared
Schema	`snmp-server schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server

snmp-server_attributes

snmp-server attributes

SNMPv1-v2c

Description: SNMPv1-v2c is a **JSON Block**. Please see below for *SNMPv1-v2c*

Type: Object

Reference Object: */axapi/v3/snmp-server/SNMPv1-v2c*

SNMPv3

Description: SNMPv3 is a **JSON Block**. Please see below for *SNMPv3*

Type: Object

Reference Object: */axapi/v3/snmp-server/SNMPv3*

community

Description: community is a **JSON Block**. Please see below for *community*

Type: Object

Reference Object: */axapi/v3/snmp-server/community*

contact

Description: contact is a **JSON Block**. Please see below for *contact*

Type: Object

Reference Object: */axapi/v3/snmp-server/contact*

disable

Description: disable is a **JSON Block**. Please see below for *disable*

Type: Object

Reference Object: */axapi/v3/snmp-server/disable*

enable

Description: enable is a **JSON Block**. Please see below for *enable*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable*

engineID

Description: engineID is a **JSON Block**. Please see below for *engineID*

Type: Object

Reference Object: */axapi/v3/snmp-server/engineID*

group-list

Type: List

Reference Object: */axapi/v3/snmp-server/group/{groupname}*

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Reference Object: */axapi/v3/snmp-server/host*

location

Description: location is a **JSON Block**. Please see below for *location*

Type: Object

Reference Object: */axapi/v3/snmp-server/location*

management-index

Description: management-index is a **JSON Block**. Please see below for *management-index*

Type: Object

Reference Object: */axapi/v3/snmp-server/management-index*

slb-data-cache-timeout

Description: slb-data-cache-timeout is a **JSON Block**. Please see below for *slb-data-cache-timeout*

Type: Object

Reference Object: */axapi/v3/snmp-server/slb-data-cache-timeout*

table-timeout-list

Type: List

Reference Object: */axapi/v3/snmp-server/table-timeout/{table}*

user-list

Type: List

Reference Object: */axapi/v3/snmp-server/user/{username}*

view-list

Type: List

Reference Object: */axapi/v3/snmp-server/view/{viewname}+{oid}*

table-timeout-list

Specification	Value
Type	*list*
Block object keys	

table

Description SNMP table name or table oid

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description timeout value

Type: number

Range: 1-60

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable

Specification	Value
Type	*object*

schema-agent

Description Enable schema-agent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service

Description Enable SNMP service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps

Description: traps is a **JSON Block**. Please see below for *enable_traps*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps

Specification	Value
Type	*object*

all

Description Enable all SNMP traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description: gslb is a **JSON Block**. Please see below for *enable_traps_gslb*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/gslb*

lldp

Description Enable lldp traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn

Description: lsn is a **JSON Block**. Please see below for *enable_traps_lsn*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/lsn*

network

Description: network is a **JSON Block**. Please see below for *enable_traps_network*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/network*

routing

Description: routing is a **JSON Block**. Please see below for *enable_traps_routing*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing*

scaleout

Description: scaleout is a **JSON Block**. Please see below for *enable_traps_scaleout*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout*

slb

Description: slb is a **JSON Block**. Please see below for *enable_traps_slb*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/slb*

slb-change

Description: slb-change is a **JSON Block**. Please see below for *enable_traps_slb-change*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/slb-change*

snmp

Description: snmp is a **JSON Block**. Please see below for *enable_traps_snmp*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/snmp*

ssl

Description: ssl is a **JSON Block**. Please see below for *enable_traps_ssl*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/ssl*

system

Description: system is a **JSON Block**. Please see below for *enable_traps_system*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/system*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs

Description: vcs is a **JSON Block**. Please see below for *enable_traps_vcs*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/vcs*

vrrp-a

Description: vrrp-a is a **JSON Block**. Please see below for *enable_traps_vrrp-a*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/vrrp-a*

enable_traps_slb-change

Specification	Value
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-resource-event

Description Enable system connection resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-usage-warning

Description Enable partition resource usage warning trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Enable slb server create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Enable slb server port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-change

Description Enable SSL certificate change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-expire

Description Enable SSL certificate expiring trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-threshold

Description Enable slb system threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description Enable slb vip create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port

Description Enable slb vip-port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable_traps_lsn

Specification	Value
Type	*object*

all

Description Enable all LSN group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mapping-file-change

Description Enable LSN trap when fixed nat port mapping file change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-ipport-threshold

Description Maximum threshold

Type: number

Range: 10000-64512

Default: 64512

max-port-threshold

Description Maximum threshold

Type: number

Range: 10000-655355000

Default: 655350000

per-ip-port-usage-threshold

Description Enable LSN trap when IP total port usage reaches the threshold (default 64512)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-port-usage-threshold

Description Enable LSN trap when NAT total port usage reaches the threshold (default 655350000)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-exceeded

Description Enable LSN trap when NAT pool reaches the threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_vrrp-a

Specification	Value
Type	*object*

active

Description Enable VRRP-A active trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description Enable all VRRP-A group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby

Description Enable VRRP-A standby trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_snmp

Specification	Value
Type	*object*

all

Description Enable all SNMP group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkdown

Description Enable SNMP link-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkup

Description Enable SNMP link-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_system

Specification	Value
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apps-global

Description: apps-global is a **JSON Block**. Please see below for *enable_traps_system_apps-global*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/system/apps-global*

control-cpu-high

Description Enable control CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu-high

Description Enable data CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fan

Description Enable system fan trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-sys-read-only

Description Enable file system read-only trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-disk-use

Description Enable system high disk usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-memory-use

Description Enable system high memory usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-temp

Description Enable system high temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-management

Description Enable system license management traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-temp

Description Enable system low temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-drop

Description Enable system packet dropped trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

power

Description Enable system power supply trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri-disk

Description Enable system primary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Enable system restart trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec-disk

Description Enable system secondary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shutdown

Description Enable system shutdown trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp-resource-event

Description Enable system smp resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start

Description Enable system start trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syslog-severity-one

Description Enable system syslog severity one messages trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacacs-server-up-down

Description Enable system TACACS monitor server up/down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_system_apps-global

Specification	Value
Type	*object*

cps-threshold

Description Enable CPS trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sessions-threshold

Description Enable sessions threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_ssl

Specification	Value
Type	*object*

server-certificate-error

Description Enable SSL server certificate error trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_vcs

Specification	Value
Type	*object*

state-change

Description Enable VCS state change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_routing

Specification	Value
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *enable_traps_routing_bgp*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp*

isis

Description: isis is a **JSON Block**. Please see below for *enable_traps_routing_isis*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *enable_traps_routing_ospf*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/ospf*

enable_traps_routing_bgp

Specification	Value
Type	*object*

ax

Description: ax is a **JSON Block**. Please see below for *enable_traps_routing_bgp_ax*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp/ax*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_routing_bgp_ax

Specification	Value
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdClearNotification

Description Enable bgpPrefixThresholdClearNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdExceededNotification

Description Enable bgpPrefixThresholdExceededNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_routing_ospf

Specification	Value
Type	*object*

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_routing_isis

Specification	Value
Type	*object*

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPErrorDetected

Description Enable isisLSPErrorDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_scaleout

Specification	Value
Type	*object*

infrastructure

Description: infrastructure is a **JSON Block**. Please see below for *enable_traps_scaleout_infrastructure*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure*

enable_traps_scaleout_infrastructure

Specification	Value
Type	*object*

all

Description Enable all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cluster

Description: cluster is a **JSON Block**. Please see below for *enable_traps_scaleout_infrastructure_cluster*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster*

master-node

Description: master-node is a **JSON Block**. Please see below for *enable_traps_scaleout_infrastructure_master-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node*

service-node

Description: service-node is a **JSON Block**. Please see below for *enable_traps_scaleout_infrastructure_service-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node*

test-send-all-traps

Description Send all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_scaleout_infrastructure_service-node

Specification	Value
Type	*object*

local-device-disabled

Description Enable local device disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-master

Description Enable service-master trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-map-update

Description Enable traffic map update trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_scaleout_infrastructure_cluster

Specification	Value
Type	*object*

election

Description Enable election status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

master-calling-re-election

Description Enable re-election trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

node-status

Description Enable active node status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

enable_traps_scaleout_infrastructure_master-node

Specification	Value
Type	*object*

traffic-map-distribution

Description Enable Traffic-map distribution trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vserver-traffic-map-update

Description Enable VServer Traffic-map trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable_traps_gslb

Specification	Value
Type	*object*

all

Description Enable all GSLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group

Description Enable GSLB group related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-ip

Description Enable GSLB service-ip related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

site

Description Enable GSLB site related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Enable GSLB zone related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable_traps_slb

Specification	Value
Type	*object*

all

Description Enable all SLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

application-buffer-limit

Description Enable application buffer reach limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-exceed

Description Enable SLB server/port bandwidth rate limit exceed trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Enable SLB server/port bandwidth rate limit resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-down

Description Enable SLB server gateway down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-up

Description Enable SLB server gateway up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-limit

Description Enable SLB server connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-resume

Description Enable SLB server connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disabled

Description Enable SLB server-disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-down

Description Enable SLB server-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-selection-failure

Description Enable SLB server selection failure trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-up

Description Enable slb server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-limit

Description Enable SLB service connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-resume

Description Enable SLB service connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-down

Description Enable SLB service-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-down

Description Enable SLB service-group-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-down

Description Enable SLB service-group-member-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-up

Description Enable SLB service-group-member-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-up

Description Enable SLB service-group-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-up

Description Enable SLB service-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-connlimit

Description Enable the virtual server reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-connratelimit

Description Enable the virtual server reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-down

Description Enable SLB virtual server down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connlimit

Description Enable the virtual port reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connratelimit

Description Enable the virtual port reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-down

Description Enable SLB virtual port down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-qps

Description Enable the virtual port query-per-second threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-up

Description Enable SLB virtual port up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-up

Description Enable SLB virtual server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable_traps_network

Specification	Value
Type	*object*

trunk-port-threshold

Description Enable network trunk-port-threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb-data-cache-timeout

Specification	Value
Type	*object*

slblimit

Description Cache time-out in seconds, default as 60 seconds

Type: number

Range: 5-120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

view-list

Specification	Value
Type	*list*
Block object keys	

mask

Description Hex octets, separated by '.', mask of oid

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: mask and type are mutually exclusive

oid

Description MIB view family name or oid

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'included': MIB family is included in the view; 'excluded': MIB family is excluded from the view;

Type: string

Supported Values: included, excluded

Mutual Exclusion: type and mask are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

viewname

Description Name of the view

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

community

Specification	Value
Type	*object*

read-list

Type: List

Reference Object: */axapi/v3/snmp-server/community/read/{user}*

community_read-list

Specification	Value
Type	*list*
Block object keys	

oid-list

Type: List

Reference Object: */axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}*

remote

Description: remote is a **JSON Block**. Please see below for *community_read-list_remote*

Type: Object

user

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community_read-list_oid-list

Specification	Value
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *community_read-list_oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

community_read-list_oid-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

community_read-list_oid-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

community_read-list_oid-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

community_read-list_oid-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

community_read-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

community_read-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

community_read-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

community_read-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

contact

Specification	Value
Type	*object*

contact-name

Description Identification of the contact person for this managed node

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	Value
Type	*object*

host-name-list

Type: List

Reference Object: */axapi/v3/snmp-server/host/host-name/{hostname}+{version}*

ipv4-host-list

Type: List

Reference Object: */axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}*

ipv6-host-list

Type: List

Reference Object: */axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}*

host_ipv6-host-list

Specification	Value
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of SNMP trap host

Type: string

Format: ipv6-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

host_host-name-list

Specification	Value
Type	*list*
Block object keys	

hostname

Description Hostname of SNMP trap host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

host_ipv4-host-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of SNMP trap host

Type: string

Format: ipv4-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

management-index

Specification	Value
Type	*object*

mgmt-index

Description index number

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable

Specification	Value
Type	*object*

a10cmsubagent

Description Disable a10cmsubagent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps

Description: traps is a **JSON Block**. Please see below for *disable_traps*

Type: Object

Reference Object: */axapi/v3/snmp-server/disable/traps*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

disable_traps

Specification	Value
Type	*object*

all

Description Disable all traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description Disable all gslb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description Disable all slb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-change

Description Disable all slb-change traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp

Description Disable all snmp traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrrp-a

Description Disable all vrrp-a on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

location

Specification	Value
Type	*object*

loc

Description The physical location of this node

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

group-list

Specification	Value
Type	*list*
Block object keys	

groupname

Description Name of the group

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

read

Description specify a read view for the group (read view name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': group using the authNoPriv Security Level; 'noauth': group using the noAuthNoPriv Security Level; 'priv': group using SNMPv3 authPriv security level;

Type: string

Supported Values: auth, noauth, priv

SNMPv3

Specification	Value
Type	*object*

user-list

Type: List

Reference Object: */axapi/v3/snmp-server/SNMPv3/user/{username}*

SNMPv3_user-list

Specification	Value
Type	*list*
Block object keys	

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication; 'sha-512': Use HMAC SHA-512 algorithm for authentication; 'sha-384': Use HMAC SHA-384 algorithm for authentication; 'sha-256': Use HMAC SHA-256 algorithm for authentication; 'sha-224': Use HMAC SHA-224 algorithm for authentication;

Type: string

Supported Values: md5, sha, sha-512, sha-384, sha-256, sha-224

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; 'aes-192': AES-192 encryption alogrithm; 'aes-256': AES-256 encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes, aes-192, aes-256

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

user-list

Specification	Value
Type	*list*
Block object keys	

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication;

Type: string

Supported Values: md5, sha

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

engineID

Specification	Value
Type	*object*

engId

Description Define local engineID HEX WORD

Type: string

Maximum Length: 24 characters

Maximum Length: 10 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

SNMPv1-v2c

Specification	Value
Type	*object*

user-list

Type: List

Reference Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}*

SNMPv1-v2c_user-list

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED community string)

oid-list

Type: List

Reference Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}*

passwd

Description define value of community string

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *SNMPv1-v2c_user-list_remote*

Type: Object

user

Description SNMPv1/v2c community configuration key

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

SNMPv1-v2c_user-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

SNMPv1-v2c_user-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

SNMPv1-v2c_user-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

SNMPv1-v2c_user-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

SNMPv1-v2c_user-list_oid-list

Specification	Value
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *SNMPv1-v2c_user-list_oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

SNMPv1-v2c_user-list_oid-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

SNMPv1-v2c_user-list_oid-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

SNMPv1-v2c_user-list_oid-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

SNMPv1-v2c_user-list_oid-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.122.2 snmp-server SNMPv1-v2c

Specify the SNMPv1/v2c configuration

SNMPv1-v2c Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	SNMPv1-v2c
Element URI	/axapi/v3/snmp-server/SNMPv1-v2c
Element Attributes	SNMPv1-v2c_attributes
Partition Visibility	shared
Schema	`SNMPv1-v2c schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/SNMPv1-v2c

SNMPv1-v2c_attributes

SNMPv1-v2c attributes

user-list

Type: List

Reference Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}*

user-list

Specification	Value
Type	*list*
Block object keys	

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED community string)

oid-list

Type: List

Reference Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}*

passwd

Description define value of community string

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *user-list_remote*

Type: Object

user

Description SNMPv1/v2c community configuration key

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

user-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

user-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

user-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

user-list_oid-list

Specification	Value
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *user-list_oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-list_oid-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

user-list_oid-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

user-list_oid-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

user-list_oid-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.122.3 snmp-server SNMPv1-v2c user

Define configuration for SNMPv1/v2c user

user Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*user*
Collection Name	*user-list*
Collection URI	/axapi/v3/snmp-server/SNMPv1-v2c/user
Element Name	user
Element URI	/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}
Element Attributes	user_attributes
Partition Visibility	shared
Schema	`user schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user

user attributes

```
POST /axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/
Payload:
{
    "oid": {
        "oid-val": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user

user attributes

Get Object

GET

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}

user attributes

```
GET /axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/a
Reponse:
{
    "oid": {
        "oid-val": "a",
        "uuid": "3f5ebb1c-b67e-11ef-8129-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/SNMPv1-v2c/user

user-list

Modify Object

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}

user attributes

Replace Object

PUT

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}

user attributes

```
PUT /axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/a
Payload:
{
    "oid": {
        "oid-val": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/SNMPv1-v2c/user

user-list

Delete Object

DELETE

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}

user attributes

```
DELETE /axapi/v3/snmp-server/SNMPv1-v2c/user/a/oid/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

user-list

user-list is **JSON List** of *user attributes*

user-list : [

{ *user attributes* },

{ *user attributes* },

...

]

user attributes

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED community string)

oid-list

Type: List

Reference Object: */axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}*

passwd

Description define value of community string

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

user

Description SNMPv1/v2c community configuration key

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

oid-list

Specification	Value
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oid-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

oid-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

oid-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

oid-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.122.4 snmp-server SNMPv1-v2c user oid

Define a remote entity to which user belongs

oid Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*oid-val*
Collection Name	*oid-list*
Collection URI	/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid
Element Name	oid
Element URI	/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}
Element Attributes	oid_attributes
Partition Visibility	shared
Schema	`oid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid

oid attributes

Create List

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid

oid attributes

Get Object

GET

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}

oid attributes

Get List

GET

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid

oid-list

Modify Object

POST

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}

oid attributes

Replace Object

PUT

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}

oid attributes

Replace List

PUT

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid

oid-list

Delete Object

DELETE

/axapi/v3/snmp-server/SNMPv1-v2c/user/{user}/oid/{oid-val}

oid attributes

oid-list

oid-list is **JSON List** of *oid attributes*

oid-list : [

{ *oid attributes* },

{ *oid attributes* },

…

]

oid attributes

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.122.5 snmp-server SNMPv3

Define a SNMPv3 user

SNMPv3 Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	SNMPv3
Element URI	/axapi/v3/snmp-server/SNMPv3
Element Attributes	SNMPv3_attributes
Partition Visibility	shared
Schema	`SNMPv3 schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/SNMPv3

SNMPv3_attributes

SNMPv3 attributes

user-list

Type: List

Reference Object: */axapi/v3/snmp-server/SNMPv3/user/{username}*

user-list

Specification	Value
Type	*list*
Block object keys	

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication; 'sha-512': Use HMAC SHA-512 algorithm for authentication; 'sha-384': Use HMAC SHA-384 algorithm for authentication; 'sha-256': Use HMAC SHA-256 algorithm for authentication; 'sha-224': Use HMAC SHA-224 algorithm for authentication;

Type: string

Supported Values: md5, sha, sha-512, sha-384, sha-256, sha-224

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; 'aes-192': AES-192 encryption alogrithm; 'aes-256': AES-256 encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes, aes-192, aes-256

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

2.122.6 snmp-server SNMPv3 user

Define a user who can access the SNMP engine

user Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*username*
Collection Name	*user-list*
Collection URI	/axapi/v3/snmp-server/SNMPv3/user
Element Name	user
Element URI	/axapi/v3/snmp-server/SNMPv3/user/{username}
Element Attributes	user_attributes
Partition Visibility	shared
Schema	`user schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/SNMPv3/user

user attributes

```
POST /axapi/v3/snmp-server/SNMPv3/user/
Payload:
{
    "user": {
        "username": "a",
        "auth-val": "md5",
        "v3": "auth",
        "group": "a",
        "passwd": "abcdefgh",
        "priv": "des",
        "encpasswd": "abcdefgh"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/SNMPv3/user

user attributes

Get Object

GET

/axapi/v3/snmp-server/SNMPv3/user/{username}

user attributes

```
GET /axapi/v3/snmp-server/SNMPv3/user/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "user": {
        "username": "a",
        "group": "a",
        "v3": "auth",
        "auth-val": "md5",
        "pw-encrypted": "sNydJS31jb/U+MvapbeCa2gLWRT88aQV7Xja7kjT0V6Zpk57UFIaLkWkKbbbZxOp
↪",
        "priv": "des",
        "priv-pw-encrypted": "sNydJS31jb/
↪U+MvapbeCa2gLWRT88aQV7Xja7kjT0V6Zpk57UFIaLkWkKbbbZxOp",
        "uuid": "a295d36e-b67e-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/SNMPv3/user/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/SNMPv3/user

user-list

Modify Object

POST

/axapi/v3/snmp-server/SNMPv3/user/{username}

user attributes

Replace Object

PUT

/axapi/v3/snmp-server/SNMPv3/user/{username}

user attributes

```
PUT /axapi/v3/snmp-server/SNMPv3/user/a
Payload:
{
    "user": {
        "username": "a",
        "v3": "noauth",
        "group": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/SNMPv3/user

user-list

Delete Object

DELETE

/axapi/v3/snmp-server/SNMPv3/user/{username}

user attributes

```
DELETE /axapi/v3/snmp-server/SNMPv3/user/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

user-list

user-list is **JSON List** of *user attributes*

user-list : [

{ *user attributes* },

{ *user attributes* },

...

]

user attributes

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication; 'sha-512': Use HMAC SHA-512 algorithm for authentication; 'sha-384': Use HMAC SHA-384 algorithm for authentication; 'sha-256': Use HMAC SHA-256 algorithm for authentication; 'sha-224': Use HMAC SHA-224 algorithm for authentication;

Type: string

Supported Values: md5, sha, sha-512, sha-384, sha-256, sha-224

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; 'aes-192': AES-192 encryption alogrithm; 'aes-256': AES-256 encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes, aes-192, aes-256

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

2.122.7 snmp-server community

Deprecated SNMP community command

community Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	community
Element URI	/axapi/v3/snmp-server/community
Element Attributes	community_attributes
Partition Visibility	shared
Schema	`community schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/community

community_attributes

community attributes

read-list

Type: List

Reference Object: */axapi/v3/snmp-server/community/read/{user}*

read-list

Specification	Value
Type	*list*
Block object keys	

oid-list

Type: List

Reference Object: */axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}*

remote

Description: remote is a **JSON Block**. Please see below for *read-list_remote*

Type: Object

user

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

read-list_oid-list

Specification	Value
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *read-list_oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

read-list_oid-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

read-list_oid-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

read-list_oid-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

read-list_oid-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

read-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

read-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

read-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

read-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.122.8 snmp-server community read

Define a read only community string

read Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*user*
Collection Name	*read-list*
Collection URI	/axapi/v3/snmp-server/community/read
Element Name	read
Element URI	/axapi/v3/snmp-server/community/read/{user}
Element Attributes	read_attributes
Partition Visibility	shared
Schema	`read schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/community/read

read attributes

```
POST /axapi/v3/snmp-server/community/read/
Payload:
{
    "read": {
        "user": "a",
```

(continues on next page)

(continued from previous page)

```
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/community/read

read attributes

Get Object

GET

/axapi/v3/snmp-server/community/read/{user}

read attributes

```
GET /axapi/v3/snmp-server/community/read/a
Reponse:
{
    "read": {
        "user": "a",
        "uuid": "f7725f24-b67e-11ef-8129-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/snmp-server/community/read/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/community/read

read-list

Modify Object

POST

/axapi/v3/snmp-server/community/read/{user}

read attributes

Replace Object

PUT

/axapi/v3/snmp-server/community/read/{user}

read attributes

```
PUT /axapi/v3/snmp-server/community/read/a
Payload:
{
    "read": {
```

(continues on next page)

(continued from previous page)

```
        "user": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/community/read

read-list

Delete Object

DELETE

/axapi/v3/snmp-server/community/read/{user}

read attributes

```
DELETE /axapi/v3/snmp-server/community/read/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

read-list

read-list is **JSON List** of *read attributes*

read-list : [

{ *read attributes* },

{ *read attributes* },

...

]

read attributes

oid-list

Type: List

Reference Object: */axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}*

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

user

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oid-list

Specification	Value
Type	*list*
Block object keys	

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *oid-list_remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

oid-list_remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

oid-list_remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

oid-list_remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

oid-list_remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.122.9 snmp-server community read oid

Define a remote entity to which user belongs

oid Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*oid-val*
Collection Name	*oid-list*
Collection URI	/axapi/v3/snmp-server/community/read/{user}/oid
Element Name	oid
Element URI	/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}
Element Attributes	oid_attributes
Partition Visibility	shared
Schema	`oid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/community/read/{user}/oid

oid attributes

Create List

POST

/axapi/v3/snmp-server/community/read/{user}/oid

oid attributes

Get Object

GET

/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}

oid attributes

Get List

GET

/axapi/v3/snmp-server/community/read/{user}/oid

oid-list

Modify Object

POST

/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}

oid attributes

Replace Object

PUT

/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}

oid attributes

Replace List

PUT

/axapi/v3/snmp-server/community/read/{user}/oid

oid-list

Delete Object

DELETE

/axapi/v3/snmp-server/community/read/{user}/oid/{oid-val}

oid attributes

oid-list

oid-list is **JSON List** of *oid attributes*

oid-list : [

{ *oid attributes* },

{ *oid attributes* },

...

]

oid attributes

oid-val

Description specific the oid (The oid value, object-key)

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

remote

Specification	Value
Type	*object*

host-list

Type: List

ipv4-list

Type: List

ipv6-list

Type: List

remote_host-list

Specification	Value
Type	*list*
Block object keys	

dns-host

Description DNS remote host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-host

Description IPV4 remote host

Type: string

Format: ipv4-address

ipv4-mask

Description IPV4 mask

Type: string

Format: ipv4-netmask

remote_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-host

Description IPV6 remote host

Type: string

Format: ipv6-address

ipv6-mask

Description IPV6 mask

Type: number

Range: 1-128

2.122.10 snmp-server contact

Text for mib object sysContact

contact Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	contact
Element URI	/axapi/v3/snmp-server/contact
Element Attributes	contact_attributes
Partition Visibility	shared
Schema	`contact schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/contact

contact attributes

```
POST /axapi/v3/snmp-server/contact
Payload:
{
    "contact": {
        "contact-name": "a"
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/contact

contact attributes

```
GET /axapi/v3/snmp-server/contact
Reponse:
{
    "contact": {
        "contact-name": "a",
        "uuid": "834b2602-b67f-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/contact"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/contact

contact attributes

Replace Object

PUT

/axapi/v3/snmp-server/contact

contact attributes

```
PUT /axapi/v3/snmp-server/contact
Payload:
{
    "contact": {
        "contact-name": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/contact

contact attributes

```
DELETE /axapi/v3/snmp-server/contact
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

contact attributes

contact-name

Description Identification of the contact person for this managed node

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.11 snmp-server disable

Disable SNMP service

disable Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	disable
Element URI	/axapi/v3/snmp-server/disable
Element Attributes	disable_attributes
Partition Visibility	shared
Schema	`disable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/disable

disable attributes

```
POST /axapi/v3/snmp-server/disable
Payload:
{
    "disable": {
        "a10cmsubagent": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/disable

disable attributes

```
GET /axapi/v3/snmp-server/disable
Reponse:
{
    "disable": {
        "a10cmsubagent": 1,
        "uuid": "a4bbcf76-b67f-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/disable"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/disable

disable attributes

Replace Object

PUT

/axapi/v3/snmp-server/disable

disable attributes

```
PUT /axapi/v3/snmp-server/disable
Payload:
{
    "disable": {
        "a10cmsubagent": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/disable

disable attributes

```
DELETE /axapi/v3/snmp-server/disable
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

disable attributes

a10cmsubagent

Description Disable a10cmsubagent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps

Description: traps is a **JSON Block**. Please see below for *traps*

Type: Object

Reference Object: */axapi/v3/snmp-server/disable/traps*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps

Specification	Value
Type	*object*

all

Description Disable all traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description Disable all gslb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description Disable all slb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-change

Description Disable all slb-change traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp

Description Disable all snmp traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrrp-a

Description Disable all vrrp-a on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.122.12 snmp-server disable traps

Disable l3v partition SNMP traps

traps Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	traps
Element URI	/axapi/v3/snmp-server/disable/traps
Element Attributes	traps_attributes
Partition Visibility	private
Schema	`traps schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/disable/traps

traps attributes

Get Object

GET

/axapi/v3/snmp-server/disable/traps

traps attributes

Modify Object

POST

/axapi/v3/snmp-server/disable/traps

traps attributes

Replace Object

PUT

/axapi/v3/snmp-server/disable/traps

traps attributes

Delete Object

DELETE

/axapi/v3/snmp-server/disable/traps

traps attributes

traps attributes

all

Description Disable all traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description Disable all gslb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description Disable all slb traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb-change

Description Disable all slb-change traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

snmp

Description Disable all snmp traps on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrrp-a

Description Disable all vrrp-a on this partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.122.13 snmp-server enable

Enable SNMP service

enable Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	enable
Element URI	/axapi/v3/snmp-server/enable
Element Attributes	enable_attributes
Partition Visibility	shared
Schema	`enable schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable

enable attributes

```
POST /axapi/v3/snmp-server/enable
Payload:
{
    "enable": {
        "schema-agent": 1,
        "traps": {
            "all": 1,
            "routing": {
                "bgp": {
                    "bgpEstablishedNotification": 1,
                    "ax": {
                        "bgpEstablishedNotification": 1
                    }
                }
            }
        }
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable

enable attributes

```
GET /axapi/v3/snmp-server/enable
Reponse:
{
    "enable": {
        "schema-agent": 1,
        "service": 0,
        "uuid": "04d52ec0-b680-11ef-8129-ae71681635d0",
        "traps": {
            "all": 1,
            "lldp": 0,
            "uuid": "04d55508-b680-11ef-8129-ae71681635d0",
            "routing": {
                "bgp": {
                    "bgpEstablishedNotification": 1,
                    "bgpBackwardTransNotification": 0,
                    "uuid": "04da84c4-b680-11ef-8129-ae71681635d0",
                    "ax": {
                        "bgpEstablishedNotification": 1,
                        "bgpBackwardTransNotification": 0,
                        "bgpPrefixThresholdExceededNotification": 0,
                        "bgpPrefixThresholdClearNotification": 0,
                        "uuid": "04da9392-b680-11ef-8129-ae71681635d0",
                        "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/bgp/ax"
                    },
```

(continues on next page)

(continued from previous page)

```
                    "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/bgp"
                },
                "a10-url": "/axapi/v3/snmp-server/enable/traps/routing"
            },
            "scaleout": {
                "infrastructure": {
                    "all": 0,
                    "uuid": "04da7c0e-b680-11ef-8129-ae71681635d0",
                    "a10-url": "/axapi/v3/snmp-server/enable/traps/scaleout/
↪infrastructure"
                },
                "a10-url": "/axapi/v3/snmp-server/enable/traps/scaleout"
            },
            "a10-url": "/axapi/v3/snmp-server/enable/traps"
        },
        "a10-url": "/axapi/v3/snmp-server/enable"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable

enable attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable

enable attributes

```
PUT /axapi/v3/snmp-server/enable
Payload:
{
    "enable": {
        "schema-agent": 0,
        "traps": {
            "all": 0,
            "gslb": {
                "zone": 0
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable

enable attributes

enable attributes

schema-agent

Description Enable schema-agent

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service

Description Enable SNMP service

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps

Description: traps is a **JSON Block**. Please see below for *traps*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps

Specification	Value
Type	*object*

all

Description Enable all SNMP traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description: gslb is a **JSON Block**. Please see below for *traps_gslb*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/gslb*

lldp

Description Enable lldp traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn

Description: lsn is a **JSON Block**. Please see below for *traps_lsn*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/lsn*

network

Description: network is a **JSON Block**. Please see below for *traps_network*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/network*

routing

Description: routing is a **JSON Block**. Please see below for *traps_routing*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing*

scaleout

Description: scaleout is a **JSON Block**. Please see below for *traps_scaleout*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout*

slb

Description: slb is a **JSON Block**. Please see below for *traps_slb*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/slb*

slb-change

Description: slb-change is a **JSON Block**. Please see below for *traps_slb-change*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/slb-change*

snmp

Description: snmp is a **JSON Block**. Please see below for *traps_snmp*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/snmp*

ssl

Description: ssl is a **JSON Block**. Please see below for *traps_ssl*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/ssl*

system

Description: system is a **JSON Block**. Please see below for *traps_system*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/system*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs

Description: vcs is a **JSON Block**. Please see below for *traps_vcs*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/vcs*

vrrp-a

Description: vrrp-a is a **JSON Block**. Please see below for *traps_vrrp-a*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/vrrp-a*

traps_slb-change

Specification	Value
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-resource-event

Description Enable system connection resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-usage-warning

Description Enable partition resource usage warning trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Enable slb server create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Enable slb server port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-change

Description Enable SSL certificate change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-expire

Description Enable SSL certificate expiring trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-threshold

Description Enable slb system threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description Enable slb vip create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port

Description Enable slb vip-port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps_lsn

Specification	Value
Type	*object*

all

Description Enable all LSN group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mapping-file-change

Description Enable LSN trap when fixed nat port mapping file change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-ipport-threshold

Description Maximum threshold

Type: number

Range: 10000-64512

Default: 64512

max-port-threshold

Description Maximum threshold

Type: number

Range: 10000-655355000

Default: 655350000

per-ip-port-usage-threshold

Description Enable LSN trap when IP total port usage reaches the threshold (default 64512)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-port-usage-threshold

Description Enable LSN trap when NAT total port usage reaches the threshold (default 655350000)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-exceeded

Description Enable LSN trap when NAT pool reaches the threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_vrrp-a

Specification	Value
Type	*object*

active

Description Enable VRRP-A active trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description Enable all VRRP-A group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby

Description Enable VRRP-A standby trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_snmp

Specification	Value
Type	*object*

all

Description Enable all SNMP group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkdown

Description Enable SNMP link-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkup

Description Enable SNMP link-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_system

Specification	Value
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apps-global

Description: apps-global is a **JSON Block**. Please see below for *traps_system_apps-global*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/system/apps-global*

control-cpu-high

Description Enable control CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu-high

Description Enable data CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fan

Description Enable system fan trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-sys-read-only

Description Enable file system read-only trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-disk-use

Description Enable system high disk usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-memory-use

Description Enable system high memory usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-temp

Description Enable system high temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-management

Description Enable system license management traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-temp

Description Enable system low temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-drop

Description Enable system packet dropped trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

power

Description Enable system power supply trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri-disk

Description Enable system primary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Enable system restart trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec-disk

Description Enable system secondary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shutdown

Description Enable system shutdown trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp-resource-event

Description Enable system smp resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start

Description Enable system start trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syslog-severity-one

Description Enable system syslog severity one messages trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacacs-server-up-down

Description Enable system TACACS monitor server up/down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_system_apps-global

Specification	Value
Type	*object*

cps-threshold

Description Enable CPS trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sessions-threshold

Description Enable sessions threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_ssl

Specification	Value
Type	*object*

server-certificate-error

Description Enable SSL server certificate error trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_vcs

Specification	Value
Type	*object*

state-change

Description Enable VCS state change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_routing

Specification	Value
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *traps_routing_bgp*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp*

isis

Description: isis is a **JSON Block**. Please see below for *traps_routing_isis*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *traps_routing_ospf*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/ospf*

traps_routing_bgp

Specification	Value
Type	*object*

ax

Description: ax is a **JSON Block**. Please see below for *traps_routing_bgp_ax*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp/ax*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_routing_bgp_ax

Specification	Value
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdClearNotification

Description Enable bgpPrefixThresholdClearNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdExceededNotification

Description Enable bgpPrefixThresholdExceededNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_routing_ospf

Specification	Value
Type	*object*

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_routing_isis

Specification	Value
Type	*object*

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPErrorDetected

Description Enable isisLSPErrorDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_scaleout

Specification	Value
Type	*object*

infrastructure

Description: infrastructure is a **JSON Block**. Please see below for *traps_scaleout_infrastructure*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure*

traps_scaleout_infrastructure

Specification	Value
Type	*object*

all

Description Enable all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cluster

Description: cluster is a **JSON Block**. Please see below for *traps_scaleout_infrastructure_cluster*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster*

master-node

Description: master-node is a **JSON Block**. Please see below for *traps_scaleout_infrastructure_master-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node*

service-node

Description: service-node is a **JSON Block**. Please see below for *traps_scaleout_infrastructure_service-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node*

test-send-all-traps

Description Send all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_scaleout_infrastructure_service-node

Specification	Value
Type	*object*

local-device-disabled

Description Enable local device disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-master

Description Enable service-master trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-map-update

Description Enable traffic map update trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_scaleout_infrastructure_cluster

Specification	Value
Type	*object*

election

Description Enable election status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

master-calling-re-election

Description Enable re-election trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

node-status

Description Enable active node status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

traps_scaleout_infrastructure_master-node

Specification	Value
Type	*object*

traffic-map-distribution

Description Enable Traffic-map distribution trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vserver-traffic-map-update

Description Enable VServer Traffic-map trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps_gslb

Specification	Value
Type	*object*

all

Description Enable all GSLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group

Description Enable GSLB group related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-ip

Description Enable GSLB service-ip related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

site

Description Enable GSLB site related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Enable GSLB zone related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps_slb

Specification	Value
Type	*object*

all

Description Enable all SLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

application-buffer-limit

Description Enable application buffer reach limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-exceed

Description Enable SLB server/port bandwidth rate limit exceed trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Enable SLB server/port bandwidth rate limit resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-down

Description Enable SLB server gateway down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-up

Description Enable SLB server gateway up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-limit

Description Enable SLB server connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-resume

Description Enable SLB server connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disabled

Description Enable SLB server-disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-down

Description Enable SLB server-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-selection-failure

Description Enable SLB server selection failure trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-up

Description Enable slb server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-limit

Description Enable SLB service connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-resume

Description Enable SLB service connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-down

Description Enable SLB service-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-down

Description Enable SLB service-group-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-down

Description Enable SLB service-group-member-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-up

Description Enable SLB service-group-member-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-up

Description Enable SLB service-group-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-up

Description Enable SLB service-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-connlimit

Description Enable the virtual server reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-connratelimit

Description Enable the virtual server reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-down

Description Enable SLB virtual server down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connlimit

Description Enable the virtual port reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connratelimit

Description Enable the virtual port reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-down

Description Enable SLB virtual port down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-qps

Description Enable the virtual port query-per-second threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-up

Description Enable SLB virtual port up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-up

Description Enable SLB virtual server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traps_network

Specification	Value
Type	*object*

trunk-port-threshold

Description Enable network trunk-port-threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.14 snmp-server enable traps

Enable SNMP traps

traps Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	traps
Element URI	/axapi/v3/snmp-server/enable/traps
Element Attributes	traps_attributes
Partition Visibility	shared
Schema	`traps schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps

traps attributes

```
POST /axapi/v3/snmp-server/enable/traps
Payload:
{
    "traps": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps

traps attributes

```
GET /axapi/v3/snmp-server/enable/traps
Reponse:
{
    "traps": {
        "all": 1,
        "lldp": 0,
        "uuid": "04d55508-b680-11ef-8129-ae71681635d0",
        "routing": {
            "bgp": {
                "bgpEstablishedNotification": 0,
                "bgpBackwardTransNotification": 0,
                "uuid": "04da84c4-b680-11ef-8129-ae71681635d0",
                "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/bgp"
            },
            "a10-url": "/axapi/v3/snmp-server/enable/traps/routing"
        },
        "gslb": {
            "all": 0,
            "zone": 0,
            "site": 0,
            "group": 0,
            "service-ip": 0,
            "uuid": "",
            "a10-url": "/axapi/v3/snmp-server/enable/traps/gslb"
        },
        "scaleout": {
            "infrastructure": {
                "all": 0,
                "uuid": "04da7c0e-b680-11ef-8129-ae71681635d0",
                "a10-url": "/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure"
            },
            "a10-url": "/axapi/v3/snmp-server/enable/traps/scaleout"
        },
        "a10-url": "/axapi/v3/snmp-server/enable/traps"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps

traps attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps

traps attributes

```
PUT /axapi/v3/snmp-server/enable/traps
Payload:
{
    "traps": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps

traps attributes

traps attributes

all

Description Enable all SNMP traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Description: gslb is a **JSON Block**. Please see below for *gslb*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/gslb*

lldp

Description Enable lldp traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn

Description: lsn is a **JSON Block**. Please see below for *lsn*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/lsn*

network

Description: network is a **JSON Block**. Please see below for *network*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/network*

routing

Description: routing is a **JSON Block**. Please see below for *routing*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing*

scaleout

Description: scaleout is a **JSON Block**. Please see below for *scaleout*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout*

slb

Description: slb is a **JSON Block**. Please see below for *slb*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/slb*

slb-change

Description: slb-change is a **JSON Block**. Please see below for *slb-change*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/slb-change*

snmp

Description: snmp is a **JSON Block**. Please see below for *snmp*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/snmp*

ssl

Description: ssl is a **JSON Block**. Please see below for *ssl*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/ssl*

system

Description: system is a **JSON Block**. Please see below for *system*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/system*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs

Description: vcs is a **JSON Block**. Please see below for *vcs*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/vcs*

vrrp-a

Description: vrrp-a is a **JSON Block**. Please see below for *vrrp-a*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/vrrp-a*

slb-change

Specification	Value
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-resource-event

Description Enable system connection resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-usage-warning

Description Enable partition resource usage warning trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Enable slb server create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Enable slb server port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-change

Description Enable SSL certificate change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-expire

Description Enable SSL certificate expiring trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-threshold

Description Enable slb system threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description Enable slb vip create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port

Description Enable slb vip-port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

lsn

Specification	Value
Type	*object*

all

Description Enable all LSN group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mapping-file-change

Description Enable LSN trap when fixed nat port mapping file change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-ipport-threshold

Description Maximum threshold

Type: number

Range: 10000-64512

Default: 64512

max-port-threshold

Description Maximum threshold

Type: number

Range: 10000-655355000

Default: 655350000

per-ip-port-usage-threshold

Description Enable LSN trap when IP total port usage reaches the threshold (default 64512)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-port-usage-threshold

Description Enable LSN trap when NAT total port usage reaches the threshold (default 655350000)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-exceeded

Description Enable LSN trap when NAT pool reaches the threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrrp-a

Specification	Value
Type	*object*

active

Description Enable VRRP-A active trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description Enable all VRRP-A group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby

Description Enable VRRP-A standby trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

snmp

Specification	Value
Type	*object*

all

Description Enable all SNMP group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkdown

Description Enable SNMP link-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkup

Description Enable SNMP link-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system

Specification	Value
Type	*object*

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apps-global

Description: apps-global is a **JSON Block**. Please see below for *system_apps-global*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/system/apps-global*

control-cpu-high

Description Enable control CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu-high

Description Enable data CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fan

Description Enable system fan trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-sys-read-only

Description Enable file system read-only trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-disk-use

Description Enable system high disk usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-memory-use

Description Enable system high memory usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-temp

Description Enable system high temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-management

Description Enable system license management traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-temp

Description Enable system low temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-drop

Description Enable system packet dropped trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

power

Description Enable system power supply trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri-disk

Description Enable system primary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Enable system restart trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec-disk

Description Enable system secondary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shutdown

Description Enable system shutdown trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp-resource-event

Description Enable system smp resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start

Description Enable system start trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syslog-severity-one

Description Enable system syslog severity one messages trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacacs-server-up-down

Description Enable system TACACS monitor server up/down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system_apps-global

Specification	Value
Type	*object*

cps-threshold

Description Enable CPS trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sessions-threshold

Description Enable sessions threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl

Specification	Value
Type	*object*

server-certificate-error

Description Enable SSL server certificate error trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vcs

Specification	Value
Type	*object*

state-change

Description Enable VCS state change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

routing

Specification	Value
Type	*object*

bgp

Description: bgp is a **JSON Block**. Please see below for *routing_bgp*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp*

isis

Description: isis is a **JSON Block**. Please see below for *routing_isis*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *routing_ospf*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/ospf*

routing_bgp

Specification	Value
Type	*object*

ax

Description: ax is a **JSON Block**. Please see below for *routing_bgp_ax*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp/ax*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

routing_bgp_ax

Specification	Value
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdClearNotification

Description Enable bgpPrefixThresholdClearNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdExceededNotification

Description Enable bgpPrefixThresholdExceededNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

routing_ospf

Specification	Value
Type	*object*

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

routing_isis

Specification	Value
Type	*object*

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPErrorDetected

Description Enable isisLSPErrorDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

scaleout

Specification	Value
Type	*object*

infrastructure

Description: infrastructure is a **JSON Block**. Please see below for *scaleout_infrastructure*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure*

scaleout_infrastructure

Specification	Value
Type	*object*

all

Description Enable all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cluster

Description: cluster is a **JSON Block**. Please see below for *scaleout_infrastructure_cluster*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster*

master-node

Description: master-node is a **JSON Block**. Please see below for *scaleout_infrastructure_master-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node*

service-node

Description: service-node is a **JSON Block**. Please see below for *scaleout_infrastructure_service-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node*

test-send-all-traps

Description Send all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

scaleout_infrastructure_service-node

Specification	Value
Type	*object*

local-device-disabled

Description Enable local device disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-master

Description Enable service-master trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-map-update

Description Enable traffic map update trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

scaleout_infrastructure_cluster

Specification	Value
Type	*object*

election

Description Enable election status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

master-calling-re-election

Description Enable re-election trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

node-status

Description Enable active node status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

scaleout_infrastructure_master-node

Specification	Value
Type	*object*

traffic-map-distribution

Description Enable Traffic-map distribution trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vserver-traffic-map-update

Description Enable VServer Traffic-map trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gslb

Specification	Value
Type	*object*

all

Description Enable all GSLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group

Description Enable GSLB group related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-ip

Description Enable GSLB service-ip related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

site

Description Enable GSLB site related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Enable GSLB zone related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Specification	Value
Type	*object*

all

Description Enable all SLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

application-buffer-limit

Description Enable application buffer reach limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-exceed

Description Enable SLB server/port bandwidth rate limit exceed trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Enable SLB server/port bandwidth rate limit resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-down

Description Enable SLB server gateway down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-up

Description Enable SLB server gateway up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-limit

Description Enable SLB server connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-resume

Description Enable SLB server connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disabled

Description Enable SLB server-disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-down

Description Enable SLB server-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-selection-failure

Description Enable SLB server selection failure trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-up

Description Enable slb server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-limit

Description Enable SLB service connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-resume

Description Enable SLB service connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-down

Description Enable SLB service-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-down

Description Enable SLB service-group-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-down

Description Enable SLB service-group-member-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-up

Description Enable SLB service-group-member-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-up

Description Enable SLB service-group-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-up

Description Enable SLB service-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-connlimit

Description Enable the virtual server reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-connratelimit

Description Enable the virtual server reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-down

Description Enable SLB virtual server down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connlimit

Description Enable the virtual port reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connratelimit

Description Enable the virtual port reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-down

Description Enable SLB virtual port down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-qps

Description Enable the virtual port query-per-second threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-up

Description Enable SLB virtual port up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-up

Description Enable SLB virtual server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

network

Specification	Value
Type	*object*

trunk-port-threshold

Description Enable network trunk-port-threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.15 snmp-server enable traps gslb

Enable GSLB group traps

gslb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	gslb
Element URI	/axapi/v3/snmp-server/enable/traps/gslb
Element Attributes	gslb_attributes
Partition Visibility	shared
Schema	`gslb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

```
POST /axapi/v3/snmp-server/enable/traps/gslb
Payload:
{
    "gslb": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

```
GET /axapi/v3/snmp-server/enable/traps/gslb
Reponse:
{
    "gslb": {
        "all": 1,
        "zone": 0,
```

(continues on next page)

(continued from previous page)

```
        "site": 0,
        "group": 0,
        "service-ip": 0,
        "uuid": "49fa9972-b680-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/gslb"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

```
PUT /axapi/v3/snmp-server/enable/traps/gslb
Payload:
{
    "gslb": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/gslb

gslb attributes

gslb attributes

all

Description Enable all GSLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

group

Description Enable GSLB group related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-ip

Description Enable GSLB service-ip related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

site

Description Enable GSLB site related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

zone

Description Enable GSLB zone related traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.122.16 snmp-server enable traps lsn

Enable LSN group traps

lsn Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	lsn
Element URI	/axapi/v3/snmp-server/enable/traps/lsn
Element Attributes	lsn_attributes
Partition Visibility	shared
Schema	`lsn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

```
POST /axapi/v3/snmp-server/enable/traps/lsn
Payload:
{
    "lsn": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

```
GET /axapi/v3/snmp-server/enable/traps/lsn
Reponse:
{
    "lsn": {
        "all": 1,
        "total-port-usage-threshold": 0,
        "per-ip-port-usage-threshold": 0,
        "fixed-nat-port-mapping-file-change": 0,
        "traffic-exceeded": 0,
        "uuid": "69625cbe-b680-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/lsn"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

```
PUT /axapi/v3/snmp-server/enable/traps/lsn
Payload:
{
    "lsn": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/lsn

lsn attributes

lsn attributes

all

Description Enable all LSN group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fixed-nat-port-mapping-file-change

Description Enable LSN trap when fixed nat port mapping file change

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-ipport-threshold

Description Maximum threshold

Type: number

Range: 10000-64512

Default: 64512

max-port-threshold

Description Maximum threshold

Type: number

Range: 10000-655355000

Default: 655350000

per-ip-port-usage-threshold

Description Enable LSN trap when IP total port usage reaches the threshold (default 64512)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-port-usage-threshold

Description Enable LSN trap when NAT total port usage reaches the threshold (default 655350000)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-exceeded

Description Enable LSN trap when NAT pool reaches the threshold

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.17 snmp-server enable traps network

Enable network group traps

network Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	network
Element URI	/axapi/v3/snmp-server/enable/traps/network
Element Attributes	network_attributes
Partition Visibility	shared
Schema	`network schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/network

network attributes

```
POST /axapi/v3/snmp-server/enable/traps/network
Payload:
{
    "network": {
        "trunk-port-threshold": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/network

network attributes

```
GET /axapi/v3/snmp-server/enable/traps/network
Reponse:
{
    "network": {
        "trunk-port-threshold": 1,
        "uuid": "8a836d5c-b680-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/network"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/network

network attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/network

network attributes

```
PUT /axapi/v3/snmp-server/enable/traps/network
Payload:
{
    "network": {
        "trunk-port-threshold": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/network

network attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/network
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

network attributes

trunk-port-threshold

Description Enable network trunk-port-threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.18 snmp-server enable traps routing

Enable routing traps

routing Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	routing
Element URI	/axapi/v3/snmp-server/enable/traps/routing
Element Attributes	routing_attributes
Partition Visibility	shared
Schema	`routing schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing

routing_attributes

routing attributes

bgp

Description: bgp is a **JSON Block**. Please see below for *bgp*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp*

isis

Description: isis is a **JSON Block**. Please see below for *isis*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/isis*

ospf

Description: ospf is a **JSON Block**. Please see below for *ospf*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/ospf*

bgp

Specification	Value
Type	*object*

ax

Description: ax is a **JSON Block**. Please see below for *bgp_ax*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp/ax*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bgp_ax

Specification	Value
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdClearNotification

Description Enable bgpPrefixThresholdClearNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdExceededNotification

Description Enable bgpPrefixThresholdExceededNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ospf

Specification	Value
Type	*object*

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

isis

Specification	Value
Type	*object*

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPErrorDetected

Description Enable isisLSPErrorDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.19 snmp-server enable traps routing bgp

Enable bgp traps

bgp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bgp
Element URI	/axapi/v3/snmp-server/enable/traps/routing/bgp
Element Attributes	bgp_attributes
Partition Visibility	shared
Schema	`bgp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

```
POST /axapi/v3/snmp-server/enable/traps/routing/bgp
Payload:
{
    "bgp": {
        "bgpEstablishedNotification": 1,
        "ax": {
```

(continues on next page)

(continued from previous page)

```
            "bgpEstablishedNotification": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

```
GET /axapi/v3/snmp-server/enable/traps/routing/bgp
Reponse:
{
    "bgp": {
        "bgpEstablishedNotification": 1,
        "bgpBackwardTransNotification": 0,
        "uuid": "d0dcd8c4-b680-11ef-8129-ae71681635d0",
        "ax": {
            "bgpEstablishedNotification": 1,
            "bgpBackwardTransNotification": 0,
            "bgpPrefixThresholdExceededNotification": 0,
            "bgpPrefixThresholdClearNotification": 0,
            "uuid": "d0dd3b52-b680-11ef-8129-ae71681635d0",
            "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/bgp/ax"
        },
        "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/bgp"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

```
PUT /axapi/v3/snmp-server/enable/traps/routing/bgp
Payload:
{
    "bgp": {
        "bgpEstablishedNotification": 0,
        "ax": {
            "bgpBackwardTransNotification": 0
```

(continues on next page)

(continued from previous page)

```
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/routing/bgp

bgp attributes

bgp attributes

ax

Description: ax is a **JSON Block**. Please see below for *ax*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/routing/bgp/ax*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ax

Specification	Value
Type	*object*

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdClearNotification

Description Enable bgpPrefixThresholdClearNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdExceededNotification

Description Enable bgpPrefixThresholdExceededNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.20 snmp-server enable traps routing bgp ax

Enable bgp ax traps

ax Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ax
Element URI	/axapi/v3/snmp-server/enable/traps/routing/bgp/ax
Element Attributes	ax_attributes
Partition Visibility	shared
Schema	`ax schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/routing/bgp/ax

ax attributes

```
POST /axapi/v3/snmp-server/enable/traps/routing/bgp/ax
Payload:
{
    "ax": {
        "bgpEstablishedNotification": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing/bgp/ax

ax attributes

```
GET /axapi/v3/snmp-server/enable/traps/routing/bgp/ax
Reponse:
{
    "ax": {
        "bgpEstablishedNotification": 1,
        "bgpBackwardTransNotification": 0,
        "bgpPrefixThresholdExceededNotification": 0,
        "bgpPrefixThresholdClearNotification": 0,
        "uuid": "f46c888e-b680-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/bgp/ax"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/routing/bgp/ax

ax attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/routing/bgp/ax

ax attributes

```
PUT /axapi/v3/snmp-server/enable/traps/routing/bgp/ax
Payload:
{
    "ax": {
        "bgpEstablishedNotification": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/routing/bgp/ax

ax attributes

ax attributes

bgpBackwardTransNotification

Description Enable bgpBackwardTransNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpEstablishedNotification

Description Enable bgpEstablishedNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdClearNotification

Description Enable bgpPrefixThresholdClearNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bgpPrefixThresholdExceededNotification

Description Enable bgpPrefixThresholdExceededNotification traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.21 snmp-server enable traps routing isis

Enable isis traps

isis Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	isis
Element URI	/axapi/v3/snmp-server/enable/traps/routing/isis
Element Attributes	isis_attributes
Partition Visibility	shared
Schema	`isis schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

```
POST /axapi/v3/snmp-server/enable/traps/routing/isis
Payload:
{
    "isis": {
        "isisAdjacencyChange": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

```
GET /axapi/v3/snmp-server/enable/traps/routing/isis
Reponse:
{
    "isis": {
        "isisAdjacencyChange": 1,
        "isisAreaMismatch": 0,
        "isisAttemptToExceedMaxSequence": 0,
        "isisAuthenticationFailure": 0,
        "isisAuthenticationTypeFailure": 0,
        "isisCorruptedLSPDetected": 0,
        "isisDatabaseOverload": 0,
        "isisIDLenMismatch": 0,
        "isisLSPTooLargeToPropagate": 0,
        "isisManualAddressDrops": 0,
        "isisMaxAreaAddressesMismatch": 0,
        "isisOriginatingLSPBufferSizeMismatch": 0,
        "isisOwnLSPPurge": 0,
        "isisProtocolsSupportedMismatch": 0,
        "isisRejectedAdjacency": 0,
        "isisSequenceNumberSkip": 0,
        "isisVersionSkew": 0,
        "isisLSPErrorDetected": 0,
        "uuid": "14e118b4-b681-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/isis"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

```
PUT /axapi/v3/snmp-server/enable/traps/routing/isis
Payload:
{
    "isis": {
        "isisAdjacencyChange": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/routing/isis

isis attributes

isis attributes

isisAdjacencyChange

Description Enable isisAdjacencyChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAreaMismatch

Description Enable isisAreaMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAttemptToExceedMaxSequence

Description Enable isisAttemptToExceedMaxSequence traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationFailure

Description Enable isisAuthenticationFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisAuthenticationTypeFailure

Description Enable isisAuthenticationTypeFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisCorruptedLSPDetected

Description Enable isisCorruptedLSPDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisDatabaseOverload

Description Enable isisDatabaseOverload traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisIDLenMismatch

Description Enable isisIDLenMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPErrorDetected

Description Enable isisLSPErrorDetected traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisLSPTooLargeToPropagate

Description Enable isisLSPTooLargeToPropagate traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisManualAddressDrops

Description Enable isisManualAddressDrops traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisMaxAreaAddressesMismatch

Description Enable isisMaxAreaAddressesMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOriginatingLSPBufferSizeMismatch

Description Enable isisOriginatingLSPBufferSizeMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisOwnLSPPurge

Description Enable isisOwnLSPPurge traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisProtocolsSupportedMismatch

Description Enable isisProtocolsSupportedMismatch traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisRejectedAdjacency

Description Enable isisRejectedAdjacency traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisSequenceNumberSkip

Description Enable isisSequenceNumberSkip traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

isisVersionSkew

Description Enable isisVersionSkew traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.22 snmp-server enable traps routing ospf

Enable OSPFv2 traps

ospf Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ospf
Element URI	/axapi/v3/snmp-server/enable/traps/routing/ospf
Element Attributes	ospf_attributes
Partition Visibility	shared
Schema	`ospf schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

```
POST /axapi/v3/snmp-server/enable/traps/routing/ospf
Payload:
{
    "ospf": {
        "ospfIfAuthFailure": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

```
GET /axapi/v3/snmp-server/enable/traps/routing/ospf
Reponse:
{
    "ospf": {
        "ospfIfAuthFailure": 1,
        "ospfIfConfigError": 0,
        "ospfIfRxBadPacket": 0,
        "ospfIfStateChange": 0,
        "ospfLsdbApproachingOverflow": 0,
        "ospfLsdbOverflow": 0,
        "ospfMaxAgeLsa": 0,
        "ospfNbrStateChange": 0,
        "ospfOriginateLsa": 0,
```

(continues on next page)

(continued from previous page)

```
        "ospfTxRetransmit": 0,
        "ospfVirtIfAuthFailure": 0,
        "ospfVirtIfConfigError": 0,
        "ospfVirtIfRxBadPacket": 0,
        "ospfVirtIfStateChange": 0,
        "ospfVirtIfTxRetransmit": 0,
        "ospfVirtNbrStateChange": 0,
        "uuid": "33a9a78e-b681-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/routing/ospf"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

```
PUT /axapi/v3/snmp-server/enable/traps/routing/ospf
Payload:
{
    "ospf": {
        "ospfIfAuthFailure": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/routing/ospf

ospf attributes

ospf attributes

ospfIfAuthFailure

Description Enable ospfIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfConfigError

Description Enable ospfIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfRxBadPacket

Description Enable ospfIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfIfStateChange

Description Enable ospfIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbApproachingOverflow

Description Enable ospfLsdbApproachingOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfLsdbOverflow

Description Enable ospfLsdbOverflow traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfMaxAgeLsa

Description Enable ospfMaxAgeLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfNbrStateChange

Description Enable ospfNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfOriginateLsa

Description Enable ospfOriginateLsa traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfTxRetransmit

Description Enable ospfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfAuthFailure

Description Enable ospfVirtIfAuthFailure traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfConfigError

Description Enable ospfVirtIfConfigError traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfRxBadPacket

Description Enable ospfVirtIfRxBadPacket traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfStateChange

Description Enable ospfVirtIfStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtIfTxRetransmit

Description Enable ospfVirtIfTxRetransmit traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ospfVirtNbrStateChange

Description Enable ospfVirtNbrStateChange traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.23 snmp-server enable traps scaleout

Enable Scaleout group traps

scaleout Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	scaleout
Element URI	/axapi/v3/snmp-server/enable/traps/scaleout
Element Attributes	scaleout_attributes
Partition Visibility	shared
Schema	`scaleout schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/enable/traps/scaleout

scaleout_attributes

scaleout attributes

infrastructure

Description: infrastructure is a **JSON Block**. Please see below for *infrastructure*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure*

infrastructure

Specification	Value
Type	*object*

all

Description Enable all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cluster

Description: cluster is a **JSON Block**. Please see below for *infrastructure_cluster*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster*

master-node

Description: master-node is a **JSON Block**. Please see below for *infrastructure_master-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node*

service-node

Description: service-node is a **JSON Block**. Please see below for *infrastructure_service-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node*

test-send-all-traps

Description Send all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

infrastructure_service-node

Specification	Value
Type	*object*

local-device-disabled

Description Enable local device disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-master

Description Enable service-master trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-map-update

Description Enable traffic map update trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

infrastructure_cluster

Specification	Value
Type	*object*

election

Description Enable election status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

master-calling-re-election

Description Enable re-election trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

node-status

Description Enable active node status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

infrastructure_master-node

Specification	Value
Type	*object*

traffic-map-distribution

Description Enable Traffic-map distribution trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vserver-traffic-map-update

Description Enable VServer Traffic-map trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.122.24 snmp-server enable traps scaleout infrastructure

Enable Intrastructure group traps

infrastructure Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	infrastructure
Element URI	/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure
Element Attributes	infrastructure_attributes
Partition Visibility	shared
Schema	`infrastructure schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure

infrastructure attributes

```
POST /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure
Payload:
{
    "infrastructure": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure

infrastructure attributes

```
GET /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure
Reponse:
{
    "infrastructure": {
        "all": 1,
        "uuid": "49fa9652-b680-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure

infrastructure attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure

infrastructure attributes

```
PUT /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure
Payload:
{
    "infrastructure": {
        "all": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure

infrastructure attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

infrastructure attributes

all

Description Enable all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cluster

Description: cluster is a **JSON Block**. Please see below for *cluster*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster*

master-node

Description: master-node is a **JSON Block**. Please see below for *master-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node*

service-node

Description: service-node is a **JSON Block**. Please see below for *service-node*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node*

test-send-all-traps

Description Send all infra traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

service-node

Specification	Value
Type	*object*

local-device-disabled

Description Enable local device disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-master

Description Enable service-master trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-map-update

Description Enable traffic map update trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cluster

Specification	Value
Type	*object*

election

Description Enable election status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

master-calling-re-election

Description Enable re-election trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

node-status

Description Enable active node status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

master-node

Specification	Value
Type	*object*

traffic-map-distribution

Description Enable Traffic-map distribution trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vserver-traffic-map-update

Description Enable VServer Traffic-map trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.122.25 snmp-server enable traps scaleout infrastructure cluster

Enable cluster group traps

cluster Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cluster
Element URI	/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster
Element Attributes	cluster_attributes
Partition Visibility	shared
Schema	`cluster schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster

cluster attributes

```
POST /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster
Payload:
{
    "cluster": {
        "election": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster

cluster attributes

```
GET /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster
Reponse:
{
    "cluster": {
        "election": 1,
        "master-calling-re-election": 0,
        "node-status": 0,
        "uuid": "ab3cc4a2-b681-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster

cluster attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster

cluster attributes

```
PUT /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster
Payload:
{
    "cluster": {
        "election": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/cluster

cluster attributes

cluster attributes

election

Description Enable election status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

master-calling-re-election

Description Enable re-election trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

node-status

Description Enable active node status trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.26 snmp-server enable traps scaleout infrastructure master-node

Enable master node group traps

master-node Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	master-node
Element URI	/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node
Element Attributes	master-node_attributes
Partition Visibility	shared
Schema	`master-node schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node

master-node attributes

```
POST /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node
Payload:
{
    "master-node": {
        "traffic-map-distribution": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node

master-node attributes

```
GET /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node
Reponse:
{
    "master-node": {
        "traffic-map-distribution": 1,
        "vserver-traffic-map-update": 0,
        "uuid": "cc369822-b681-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-
↪node"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node

master-node attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node

master-node attributes

```
PUT /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node
Payload:
{
    "master-node": {
        "traffic-map-distribution": 0
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/master-node

master-node attributes

master-node attributes

traffic-map-distribution

Description Enable Traffic-map distribution trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vserver-traffic-map-update

Description Enable VServer Traffic-map trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.122.27 snmp-server enable traps scaleout infrastructure service-node

Enable service node group traps

service-node Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	service-node
Element URI	/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node
Element Attributes	service-node_attributes
Partition Visibility	shared
Schema	`service-node schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node

service-node attributes

```
POST /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node
Payload:
{
    "service-node": {
        "local-device-disabled": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node

service-node attributes

```
GET /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node
Reponse:
{
    "service-node": {
        "local-device-disabled": 1,
        "service-master": 0,
        "traffic-map-update": 0,
        "uuid": "ee42050a-b681-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-
↪node"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node

service-node attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node

service-node attributes

```
PUT /axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node
Payload:
{
    "service-node": {
```

(continues on next page)

(continued from previous page)

```
        "local-device-disabled": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/scaleout/infrastructure/service-node

service-node attributes

service-node attributes

local-device-disabled

Description Enable local device disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-master

Description Enable service-master trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

traffic-map-update

Description Enable traffic map update trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.28 snmp-server enable traps slb

Enable SLB group traps

slb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb
Element URI	/axapi/v3/snmp-server/enable/traps/slb
Element Attributes	slb_attributes
Partition Visibility	shared
Schema	`slb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

```
POST /axapi/v3/snmp-server/enable/traps/slb
Payload:
{
    "slb": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

```
GET /axapi/v3/snmp-server/enable/traps/slb
Reponse:
{
    "slb": {
        "all": 1,
        "application-buffer-limit": 0,
        "gateway-up": 0,
        "gateway-down": 0,
        "server-conn-limit": 0,
        "server-conn-resume": 0,
        "server-up": 0,
        "server-down": 0,
        "server-disabled": 0,
```

(continues on next page)

(continued from previous page)


```
        "server-selection-failure": 0,
        "service-conn-limit": 0,
        "service-conn-resume": 0,
        "service-down": 0,
        "service-up": 0,
        "service-group-up": 0,
        "service-group-down": 0,
        "service-group-member-up": 0,
        "service-group-member-down": 0,
        "vip-connlimit": 0,
        "vip-connratelimit": 0,
        "vip-down": 0,
        "vip-port-connlimit": 0,
        "vip-port-connratelimit": 0,
        "vip-port-qps": 0,
        "vip-port-down": 0,
        "vip-port-up": 0,
        "vip-up": 0,
        "bw-rate-limit-exceed": 0,
        "bw-rate-limit-resume": 0,
        "uuid": "0f61f1e6-b682-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/slb"
    }
}
```


Modify Object

POST

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

```
PUT /axapi/v3/snmp-server/enable/traps/slb
Payload:
{
    "slb": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/slb

slb attributes

slb attributes

all

Description Enable all SLB traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

application-buffer-limit

Description Enable application buffer reach limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-exceed

Description Enable SLB server/port bandwidth rate limit exceed trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-rate-limit-resume

Description Enable SLB server/port bandwidth rate limit resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-down

Description Enable SLB server gateway down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gateway-up

Description Enable SLB server gateway up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-limit

Description Enable SLB server connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-conn-resume

Description Enable SLB server connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-disabled

Description Enable SLB server-disabled trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-down

Description Enable SLB server-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-selection-failure

Description Enable SLB server selection failure trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-up

Description Enable slb server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-limit

Description Enable SLB service connection limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-conn-resume

Description Enable SLB service connection resume trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-down

Description Enable SLB service-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-down

Description Enable SLB service-group-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-down

Description Enable SLB service-group-member-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-member-up

Description Enable SLB service-group-member-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-group-up

Description Enable SLB service-group-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

service-up

Description Enable SLB service-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip-connlimit

Description Enable the virtual server reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-connratelimit

Description Enable the virtual server reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-down

Description Enable SLB virtual server down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connlimit

Description Enable the virtual port reach conn-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-connratelimit

Description Enable the virtual port reach conn-rate-limit trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-down

Description Enable SLB virtual port down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-qps

Description Enable the virtual port query-per-second threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port-up

Description Enable SLB virtual port up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-up

Description Enable SLB virtual server up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.122.29 snmp-server enable traps slb-change

Enable SLB change traps

slb-change Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb-change
Element URI	/axapi/v3/snmp-server/enable/traps/slb-change
Element Attributes	slb-change_attributes
Partition Visibility	shared
Schema	`slb-change schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

```
POST /axapi/v3/snmp-server/enable/traps/slb-change
Payload:
{
    "slb-change": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

```
GET /axapi/v3/snmp-server/enable/traps/slb-change
Reponse:
{
    "slb-change": {
        "all": 1,
        "resource-usage-warning": 0,
        "connection-resource-event": 0,
        "server": 0,
        "server-port": 0,
        "ssl-cert-change": 0,
        "ssl-cert-expire": 0,
        "vip": 0,
        "vip-port": 0,
        "system-threshold": 0,
        "uuid": "301eb432-b682-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/slb-change"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

```
PUT /axapi/v3/snmp-server/enable/traps/slb-change
Payload:
{
    "slb-change": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/slb-change

slb-change attributes

slb-change attributes

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

connection-resource-event

Description Enable system connection resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-usage-warning

Description Enable partition resource usage warning trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server

Description Enable slb server create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-port

Description Enable slb server port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-change

Description Enable SSL certificate change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-cert-expire

Description Enable SSL certificate expiring trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-threshold

Description Enable slb system threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vip

Description Enable slb vip create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

vip-port

Description Enable slb vip-port create/delete trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.122.30 snmp-server enable traps snmp

Enable SNMP group traps

snmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	snmp
Element URI	/axapi/v3/snmp-server/enable/traps/snmp
Element Attributes	snmp_attributes
Partition Visibility	shared
Schema	`snmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

```
POST /axapi/v3/snmp-server/enable/traps/snmp
Payload:
{
    "snmp": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

```
GET /axapi/v3/snmp-server/enable/traps/snmp
Reponse:
{
    "snmp": {
        "all": 1,
        "linkdown": 0,
        "linkup": 0,
        "uuid": "4fc0d5fe-b682-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/snmp"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

```
PUT /axapi/v3/snmp-server/enable/traps/snmp
Payload:
{
    "snmp": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/snmp

snmp attributes

snmp attributes

all

Description Enable all SNMP group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkdown

Description Enable SNMP link-down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

linkup

Description Enable SNMP link-up trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.31 snmp-server enable traps ssl

Enable SSL group traps

ssl Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl
Element URI	/axapi/v3/snmp-server/enable/traps/ssl
Element Attributes	ssl_attributes
Partition Visibility	shared
Schema	`ssl schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

```
POST /axapi/v3/snmp-server/enable/traps/ssl
Payload:
{
    "ssl": {
        "server-certificate-error": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

```
GET /axapi/v3/snmp-server/enable/traps/ssl
Reponse:
{
    "ssl": {
        "server-certificate-error": 1,
        "uuid": "70938fc4-b682-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/ssl"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

```
PUT /axapi/v3/snmp-server/enable/traps/ssl
Payload:
{
    "ssl": {
        "server-certificate-error": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/ssl

ssl attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/ssl
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl attributes

server-certificate-error

Description Enable SSL server certificate error trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.32 snmp-server enable traps system

Enable system group traps

system Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system
Element URI	/axapi/v3/snmp-server/enable/traps/system
Element Attributes	system_attributes
Partition Visibility	shared
Schema	`system schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/system

system attributes

```
POST /axapi/v3/snmp-server/enable/traps/system
Payload:
{
    "system": {
        "all": 1,
        "apps-global": {
            "sessions-threshold": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/system

system attributes

```
GET /axapi/v3/snmp-server/enable/traps/system
Reponse:
{
    "system": {
        "all": 1,
        "control-cpu-high": 0,
        "data-cpu-high": 0,
        "fan": 0,
        "file-sys-read-only": 0,
        "high-disk-use": 0,
        "high-memory-use": 0,
        "high-temp": 0,
        "low-temp": 0,
        "license-management": 0,
        "packet-drop": 0,
        "power": 0,
        "pri-disk": 0,
        "restart": 0,
        "sec-disk": 0,
        "shutdown": 0,
        "smp-resource-event": 0,
        "syslog-severity-one": 0,
        "tacacs-server-up-down": 0,
        "start": 0,
        "uuid": "907bdb3e-b682-11ef-8129-ae71681635d0",
        "apps-global": {
            "sessions-threshold": 1,
            "cps-threshold": 0,
```

(continues on next page)

(continued from previous page)

```
            "uuid": "907bfce0-b682-11ef-8129-ae71681635d0",
            "a10-url": "/axapi/v3/snmp-server/enable/traps/system/apps-global"
        },
        "a10-url": "/axapi/v3/snmp-server/enable/traps/system"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/system

system attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/system

system attributes

```
PUT /axapi/v3/snmp-server/enable/traps/system
Payload:
{
    "system": {
        "all": 0,
        "apps-global": {
            "cps-threshold": 0
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/system

system attributes

system attributes

all

Description Enable all system group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apps-global

Description: apps-global is a **JSON Block**. Please see below for *apps-global*

Type: Object

Reference Object: */axapi/v3/snmp-server/enable/traps/system/apps-global*

control-cpu-high

Description Enable control CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

data-cpu-high

Description Enable data CPU usage high trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fan

Description Enable system fan trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

file-sys-read-only

Description Enable file system read-only trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-disk-use

Description Enable system high disk usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-memory-use

Description Enable system high memory usage trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

high-temp

Description Enable system high temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

license-management

Description Enable system license management traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

low-temp

Description Enable system low temperature trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packet-drop

Description Enable system packet dropped trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

power

Description Enable system power supply trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pri-disk

Description Enable system primary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

restart

Description Enable system restart trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sec-disk

Description Enable system secondary hard disk trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shutdown

Description Enable system shutdown trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

smp-resource-event

Description Enable system smp resource event trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

start

Description Enable system start trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syslog-severity-one

Description Enable system syslog severity one messages trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tacacs-server-up-down

Description Enable system TACACS monitor server up/down trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apps-global

Specification	Value
Type	*object*

cps-threshold

Description Enable CPS trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sessions-threshold

Description Enable sessions threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.33 snmp-server enable traps system apps-global

Enable apps-global group traps

apps-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	apps-global
Element URI	/axapi/v3/snmp-server/enable/traps/system/apps-global
Element Attributes	apps-global_attributes
Partition Visibility	shared
Schema	`apps-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/system/apps-global

apps-global attributes

Get Object

GET

/axapi/v3/snmp-server/enable/traps/system/apps-global

apps-global attributes

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/system/apps-global

apps-global attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/system/apps-global

apps-global attributes

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/system/apps-global

apps-global attributes

apps-global attributes

cps-threshold

Description Enable CPS trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sessions-threshold

Description Enable sessions threshold trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.34 snmp-server enable traps vcs

Enable vcs traps

vcs Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	vcs
Element URI	/axapi/v3/snmp-server/enable/traps/vcs
Element Attributes	vcs_attributes
Partition Visibility	shared
Schema	`vcs schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

```
POST /axapi/v3/snmp-server/enable/traps/vcs
Payload:
{
    "vcs": {
        "state-change": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

```
GET /axapi/v3/snmp-server/enable/traps/vcs
Reponse:
{
    "vcs": {
        "state-change": 1,
        "uuid": "b00e7178-b682-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/vcs"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

```
PUT /axapi/v3/snmp-server/enable/traps/vcs
Payload:
{
    "vcs": {
        "state-change": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/vcs

vcs attributes

```
DELETE /axapi/v3/snmp-server/enable/traps/vcs
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

vcs attributes

state-change

Description Enable VCS state change trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.35 snmp-server enable traps vrrp-a

Enable VRRP-A group traps

vrrp-a Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	vrrp-a
Element URI	/axapi/v3/snmp-server/enable/traps/vrrp-a
Element Attributes	vrrp-a_attributes
Partition Visibility	shared
Schema	`vrrp-a schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

```
POST /axapi/v3/snmp-server/enable/traps/vrrp-a
Payload:
{
    "vrrp-a": {
        "all": 1
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

```
GET /axapi/v3/snmp-server/enable/traps/vrrp-a
Reponse:
{
    "vrrp-a": {
        "all": 1,
        "active": 0,
        "standby": 0,
        "uuid": "d1faebd6-b682-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/enable/traps/vrrp-a"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

Replace Object

PUT

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

```
PUT /axapi/v3/snmp-server/enable/traps/vrrp-a
Payload:
{
    "vrrp-a": {
        "all": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/enable/traps/vrrp-a

vrrp-a attributes

vrrp-a attributes

active

Description Enable VRRP-A active trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

all

Description Enable all VRRP-A group traps

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

standby

Description Enable VRRP-A standby trap

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.36 snmp-server engineID

Define local engineID

engineID Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	engineID
Element URI	/axapi/v3/snmp-server/engineID
Element Attributes	engineID_attributes
Partition Visibility	shared
Schema	`engineID schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/engineID

engineID attributes

```
POST /axapi/v3/snmp-server/engineID
Payload:
{
    "engineID": {
        "engId": "ABABABABAB"
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/engineID

engineID attributes

```
GET /axapi/v3/snmp-server/engineID
Reponse:
{
    "engineID": {
        "engId": "ABABABABAB",
        "uuid": "fb1f6d84-b682-11ef-8129-ae71681635d0",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/snmp-server/engineID"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/engineID

engineID attributes

Replace Object

PUT

/axapi/v3/snmp-server/engineID

engineID attributes

```
PUT /axapi/v3/snmp-server/engineID
Payload:
{
    "engineID": {
        "engId": "AAAAAAAAAA"
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/engineID

engineID attributes

```
DELETE /axapi/v3/snmp-server/engineID
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

engineID attributes

engId

Description Define local engineID HEX WORD

Type: string

Maximum Length: 24 characters

Maximum Length: 10 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.37 snmp-server group

Define a User Security Model group

group Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*groupname*
Collection Name	*group-list*
Collection URI	/axapi/v3/snmp-server/group
Element Name	group
Element URI	/axapi/v3/snmp-server/group/{groupname}
Element Attributes	group_attributes
Partition Visibility	shared
Schema	`group schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/group

group attributes

```
POST /axapi/v3/snmp-server/group/
Payload:
{
    "group": {
        "read": "a",
        "groupname": "a",
        "v3": "auth"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Create List

POST

/axapi/v3/snmp-server/group

group attributes

Get Object

GET

/axapi/v3/snmp-server/group/{groupname}

group attributes

```
GET /axapi/v3/snmp-server/group/a
Reponse:
{
    "group": {
        "groupname": "a",
        "v3": "auth",
        "read": "a",
        "uuid": "1af2c4da-b683-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/group/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/group

group-list

Modify Object

POST

/axapi/v3/snmp-server/group/{groupname}

group attributes

Replace Object

PUT

/axapi/v3/snmp-server/group/{groupname}

group attributes

```
PUT /axapi/v3/snmp-server/group/a
Payload:
{
    "group": {
```

(continues on next page)

(continued from previous page)

```
        "read": "a",
        "groupname": "a",
        "v3": "auth"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/group

group-list

Delete Object

DELETE

/axapi/v3/snmp-server/group/{groupname}

group attributes

```
DELETE /axapi/v3/snmp-server/group/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

group-list

group-list is **JSON List** of *group attributes*

group-list : [

{ *group attributes* },

{ *group attributes* },

...

]

group attributes

groupname

Description Name of the group

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

read

Description specify a read view for the group (read view name)

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': group using the authNoPriv Security Level; 'noauth': group using the noAuthNoPriv Security Level; 'priv': group using SNMPv3 authPriv security level;

Type: string

Supported Values: auth, noauth, priv

2.122.38 snmp-server host

Specify hosts to receive SNMP traps

host Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/snmp-server/host
Element Attributes	host_attributes
Partition Visibility	shared
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/snmp-server/host

host_attributes

host attributes

host-name-list

Type: List

Reference Object: */axapi/v3/snmp-server/host/host-name/{hostname}+{version}*

ipv4-host-list

Type: List

Reference Object: */axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}*

ipv6-host-list

Type: List

Reference Object: */axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}*

ipv6-host-list

Specification	Value
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of SNMP trap host

Type: string

Format: ipv6-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

host-name-list

Specification	Value
Type	*list*
Block object keys	

hostname

Description Hostname of SNMP trap host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

ipv4-host-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of SNMP trap host

Type: string

Format: ipv4-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

2.122.39 snmp-server host host-name

Specify IPV6 hosts to receive SNMP traps

host-name Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*hostname, version*
Collection Name	*host-name-list*
Collection URI	/axapi/v3/snmp-server/host/host-name
Element Name	host-name
Element URI	/axapi/v3/snmp-server/host/host-name/{hostname}+{version}
Element Attributes	host-name_attributes
Partition Visibility	shared
Schema	`host-name schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/host/host-name

host-name attributes

```
POST /axapi/v3/snmp-server/host/host-name/
Payload:
{
    "host-name": {
        "hostname": "des.ss.aa",
        "version": "v1",
        "v1-v2c-comm": "public"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/host/host-name

host-name attributes

Get Object

GET

/axapi/v3/snmp-server/host/host-name/{hostname}+{version}

host-name attributes

```
GET /axapi/v3/snmp-server/host/host-name/des.ss.aa+v1
Reponse:
{
    "host-name": {
        "hostname": "des.ss.aa",
        "version": "v1",
        "v1-v2c-comm": "public",
        "udp-port": 162,
        "uuid": "6c73613e-b683-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/host/host-name/des.ss.aa+v1"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/host/host-name

host-name-list

Modify Object

POST

/axapi/v3/snmp-server/host/host-name/{hostname}+{version}

host-name attributes

Replace Object

PUT

/axapi/v3/snmp-server/host/host-name/{hostname}+{version}

host-name attributes

```
PUT /axapi/v3/snmp-server/host/host-name/des.ss.aa+v1
Payload:
{
    "host-name": {
        "hostname": "des.ss.aa",
        "version": "v1",
        "v1-v2c-comm": "public"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/host/host-name

host-name-list

Delete Object

DELETE

/axapi/v3/snmp-server/host/host-name/{hostname}+{version}

host-name attributes

```
DELETE /axapi/v3/snmp-server/host/host-name/des.ss.aa+v1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

host-name-list

host-name-list is **JSON List** of *host-name attributes*

host-name-list : [

{ *host-name attributes* },

{ *host-name attributes* },

...

]

host-name attributes

hostname

Description Hostname of SNMP trap host

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

2.122.40 snmp-server host ipv4-host

Specify IPV4 hosts to receive SNMP traps

ipv4-host Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4-addr, version*
Collection Name	*ipv4-host-list*
Collection URI	/axapi/v3/snmp-server/host/ipv4-host
Element Name	ipv4-host
Element URI	/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}
Element Attributes	ipv4-host_attributes
Partition Visibility	shared
Schema	`ipv4-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/host/ipv4-host

ipv4-host attributes

```
POST /axapi/v3/snmp-server/host/ipv4-host/
Payload:
{
    "ipv4-host": {
        "ipv4-addr": "3.3.3.3",
        "version": "v1",
        "v1-v2c-comm": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/host/ipv4-host

ipv4-host attributes

Get Object

GET

/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}

ipv4-host attributes

```
GET /axapi/v3/snmp-server/host/ipv4-host/3.3.3.3+v1
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "ipv4-host": {
        "ipv4-addr": "3.3.3.3",
        "version": "v1",
        "v1-v2c-comm": "a",
        "udp-port": 162,
        "uuid": "a51387e4-b683-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/host/ipv4-host/3.3.3.3+v1"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/host/ipv4-host

ipv4-host-list

Modify Object

POST

/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}

ipv4-host attributes

Replace Object

PUT

/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}

ipv4-host attributes

```
PUT /axapi/v3/snmp-server/host/ipv4-host/3.3.3.3+v1
Payload:
{
    "ipv4-host": {
        "ipv4-addr": "3.3.3.3",
        "version": "v1",
        "v1-v2c-comm": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/host/ipv4-host

ipv4-host-list

Delete Object

DELETE

/axapi/v3/snmp-server/host/ipv4-host/{ipv4-addr}+{version}

ipv4-host attributes

```
DELETE /axapi/v3/snmp-server/host/ipv4-host/3.3.3.3+v1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4-host-list

ipv4-host-list is **JSON List** of *ipv4-host attributes*

ipv4-host-list : [

{ *ipv4-host attributes* },

{ *ipv4-host attributes* },

...

]

ipv4-host attributes

ipv4-addr

Description IPV4 address of SNMP trap host

Type: string

Format: ipv4-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

2.122.41 snmp-server host ipv6-host

Specify IPV6 hosts to receive SNMP traps

ipv6-host Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-addr, version*
Collection Name	*ipv6-host-list*
Collection URI	/axapi/v3/snmp-server/host/ipv6-host
Element Name	ipv6-host
Element URI	/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}
Element Attributes	ipv6-host_attributes
Partition Visibility	shared
Schema	`ipv6-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/host/ipv6-host

ipv6-host attributes

```
POST /axapi/v3/snmp-server/host/ipv6-host/
Payload:
{
    "ipv6-host": {
        "version": "v1",
        "ipv6-addr": "2003::1",
        "v1-v2c-comm": "a"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/host/ipv6-host

ipv6-host attributes

Get Object

GET

/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}

ipv6-host attributes

```
GET /axapi/v3/snmp-server/host/ipv6-host/2003::1+v1
Reponse:
{
    "ipv6-host": {
        "ipv6-addr": "2003::1",
        "version": "v1",
        "v1-v2c-comm": "a",
        "udp-port": 162,
        "uuid": "dd6838c4-b683-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/host/ipv6-host/2003%3A%3A1+v1"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/host/ipv6-host

ipv6-host-list

Modify Object

POST

/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}

ipv6-host attributes

Replace Object

PUT

/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}

ipv6-host attributes

```
PUT /axapi/v3/snmp-server/host/ipv6-host/2003::1+v1
Payload:
{
    "ipv6-host": {
        "version": "v1",
        "ipv6-addr": "2003::1",
        "v1-v2c-comm": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/host/ipv6-host

ipv6-host-list

Delete Object

DELETE

/axapi/v3/snmp-server/host/ipv6-host/{ipv6-addr}+{version}

ipv6-host attributes

```
DELETE /axapi/v3/snmp-server/host/ipv6-host/2003::1+v1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-host-list

ipv6-host-list is **JSON List** of *ipv6-host attributes*

ipv6-host-list : [

{ *ipv6-host attributes* },

{ *ipv6-host attributes* },

...

]

ipv6-host attributes

ipv6-addr

Description IPV6 address of SNMP trap host

Type: string

Format: ipv6-address

udp-port

Description The trap host's UDP port number(default: 162)

Type: number

Range: 1-65535

Default: 162

user

Description SNMPv3 user to send traps (User Name)

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v1-v2c-comm

Description SNMPv1/v2c community string

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

version

Description 'v1': Use SNMPv1; 'v2c': Use SNMPv2c; 'v3': User SNMPv3;

Type: string

Supported Values: v1, v2c, v3

Default: v2c

2.122.42 snmp-server location

Text for mib object sysLocation

location Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	location
Element URI	/axapi/v3/snmp-server/location
Element Attributes	location_attributes
Partition Visibility	shared
Schema	`location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/location

location attributes

```
POST /axapi/v3/snmp-server/location
Payload:
{
    "location": {
        "loc": "a"
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/location

location attributes

```
GET /axapi/v3/snmp-server/location
Reponse:
{
    "location": {
        "loc": "a",
        "uuid": "128db9ca-b684-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/location"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/location

location attributes

Replace Object

PUT

/axapi/v3/snmp-server/location

location attributes

```
PUT /axapi/v3/snmp-server/location
Payload:
{
    "location": {
        "loc": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/location

location attributes

```
DELETE /axapi/v3/snmp-server/location
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

location attributes

loc

Description The physical location of this node

Type: string

Format: string-rlx

Maximum Length: 255 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.43 snmp-server management-index

Define index of management interface

management-index Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	management-index
Element URI	/axapi/v3/snmp-server/management-index
Element Attributes	management-index_attributes
Partition Visibility	shared
Schema	`management-index schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/management-index

management-index attributes

```
POST /axapi/v3/snmp-server/management-index
Payload:
{
    "management-index": {
        "mgmt-index": 0
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/management-index

management-index attributes

```
GET /axapi/v3/snmp-server/management-index
Reponse:
{
    "management-index": {
        "mgmt-index": 0,
        "uuid": "367a4eca-b684-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/management-index"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/management-index

management-index attributes

Replace Object

PUT

/axapi/v3/snmp-server/management-index

management-index attributes

```
PUT /axapi/v3/snmp-server/management-index
Payload:
{
    "management-index": {
        "mgmt-index": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/management-index

management-index attributes

```
DELETE /axapi/v3/snmp-server/management-index
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

management-index attributes

mgmt-index

Description index number

Type: number

Range: 0-2147483647

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.44 snmp-server slb-data-cache-timeout

Configure the SLB data cache time-out in seconds

slb-data-cache-timeout Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb-data-cache-timeout
Element URI	/axapi/v3/snmp-server/slb-data-cache-timeout
Element Attributes	slb-data-cache-timeout_attributes
Partition Visibility	shared
Schema	`slb-data-cache-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

```
POST /axapi/v3/snmp-server/slb-data-cache-timeout
Payload:
{
    "slb-data-cache-timeout": {
        "slblimit": 5
    }
}
```

Get Object

GET

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

```
GET /axapi/v3/snmp-server/slb-data-cache-timeout
Reponse:
{
    "slb-data-cache-timeout": {
        "slblimit": 5,
        "uuid": "582ae0a2-b684-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/slb-data-cache-timeout"
    }
}
```

Modify Object

POST

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

Replace Object

PUT

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

```
PUT /axapi/v3/snmp-server/slb-data-cache-timeout
Payload:
{
    "slb-data-cache-timeout": {
        "slblimit": 5
    }
}
```

Delete Object

DELETE

/axapi/v3/snmp-server/slb-data-cache-timeout

slb-data-cache-timeout attributes

```
DELETE /axapi/v3/snmp-server/slb-data-cache-timeout
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

slb-data-cache-timeout attributes

slblimit

Description Cache time-out in seconds, default as 60 seconds

Type: number

Range: 5-120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.45 snmp-server table-timeout

Define SNMP table timeout

table-timeout Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*table*
Collection Name	*table-timeout-list*
Collection URI	/axapi/v3/snmp-server/table-timeout
Element Name	table-timeout
Element URI	/axapi/v3/snmp-server/table-timeout/{table}
Element Attributes	table-timeout_attributes
Partition Visibility	shared
Schema	`table-timeout schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/table-timeout

table-timeout attributes

```
POST /axapi/v3/snmp-server/table-timeout/
Payload:
{
    "table-timeout": {
        "table": "ifTable",
        "timeout": 1
    }
}
```

Create List

POST

/axapi/v3/snmp-server/table-timeout

table-timeout attributes

Get Object

GET

/axapi/v3/snmp-server/table-timeout/{table}

table-timeout attributes

```
GET /axapi/v3/snmp-server/table-timeout/ifTable
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "table-timeout": {
        "table": "ifTable",
        "timeout": 1,
        "uuid": "7a2e89ec-b684-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/table-timeout/ifTable"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/table-timeout

table-timeout-list

Modify Object

POST

/axapi/v3/snmp-server/table-timeout/{table}

table-timeout attributes

Replace Object

PUT

/axapi/v3/snmp-server/table-timeout/{table}

table-timeout attributes

```
PUT /axapi/v3/snmp-server/table-timeout/ifTable
Payload:
{
    "table-timeout": {
        "table": "ifTable",
        "timeout": 1
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/table-timeout

table-timeout-list

Delete Object

DELETE

/axapi/v3/snmp-server/table-timeout/{table}

table-timeout attributes

```
DELETE /axapi/v3/snmp-server/table-timeout/ifTable
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

table-timeout-list

table-timeout-list is **JSON List** of *table-timeout attributes*

table-timeout-list : [

{ *table-timeout attributes* },

{ *table-timeout attributes* },

...

]

table-timeout attributes

table

Description SNMP table name or table oid

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

timeout

Description timeout value

Type: number

Range: 1-60

Default: 60

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.122.46 snmp-server user

Deprecated SNMPv3 user command

user Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*username*
Collection Name	*user-list*
Collection URI	/axapi/v3/snmp-server/user
Element Name	user
Element URI	/axapi/v3/snmp-server/user/{username}
Element Attributes	user_attributes
Partition Visibility	shared
Schema	`user schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/user

user attributes

```
POST /axapi/v3/snmp-server/user/
Payload:
{
    "user": {
        "username": "a",
        "auth-val": "md5",
        "v3": "auth",
        "group": "a",
        "passwd": "abcdefgh",
        "priv": "des",
        "encpasswd": "abcdefgh"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/user

user attributes

Get Object

GET

/axapi/v3/snmp-server/user/{username}

user attributes

```
GET /axapi/v3/snmp-server/user/a
Reponse:
{
    "user": {
        "username": "a",
        "group": "a",
        "v3": "auth",
        "auth-val": "md5",
        "pw-encrypted": "sNydJS31jb+PoXAedJ1SYRhDN3EA62JqvE9qASgnM1gLYJy59WRX7Sy9xswTrGPv
↪",
        "priv": "des",
        "priv-pw-encrypted":
↪"sNydJS31jb+PoXAedJ1SYRhDN3EA62JqvE9qASgnM1gLYJy59WRX7Sy9xswTrGPv",
        "uuid": "a007fa4a-b684-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/user/a"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/user

user-list

Modify Object

POST

/axapi/v3/snmp-server/user/{username}

user attributes

Replace Object

PUT

/axapi/v3/snmp-server/user/{username}

user attributes

```
PUT /axapi/v3/snmp-server/user/a
Payload:
{
    "user": {
        "username": "a",
        "v3": "noauth",
        "group": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/user

user-list

Delete Object

DELETE

/axapi/v3/snmp-server/user/{username}

user attributes

```
DELETE /axapi/v3/snmp-server/user/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

user-list

user-list is **JSON List** of *user attributes*

user-list : [

{ *user attributes* },

{ *user attributes* },

...

]

user attributes

auth-val

Description 'md5': Use HMAC MD5 algorithm for authentication; 'sha': Use HMAC SHA algorithm for authentication;

Type: string

Supported Values: md5, sha

encpasswd

Description Passphrase for encryption

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

group

Description Group to which the user belongs

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

passwd

Description Password of this user

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 8 characters

priv

Description 'des': DES encryption alogrithm; 'aes': AES encryption alogrithm; (Encryption type)

Type: string

Supported Values: des, aes

priv-pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

pw-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED passphrase string)

username

Description Name of the user

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v3

Description 'auth': Using the authNoPriv Security Level; 'noauth': Using the noAuthNoPriv Security Level;

Type: string

Supported Values: auth, noauth

2.122.47 snmp-server view

Defines named "view" - a subset of the overall OID tree

view Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*viewname, oid*
Collection Name	*view-list*
Collection URI	/axapi/v3/snmp-server/view
Element Name	view
Element URI	/axapi/v3/snmp-server/view/{viewname}+{oid}
Element Attributes	view_attributes
Partition Visibility	shared
Schema	`view schema`

Operations Allowed:

Create Object

POST

/axapi/v3/snmp-server/view

view attributes

```
POST /axapi/v3/snmp-server/view/
Payload:
{
    "view": {
        "oid": "1.3.6.1.2.1.2",
        "viewname": "a",
        "type": "included"
    }
}
```

Create List

POST

/axapi/v3/snmp-server/view

view attributes

Get Object

GET

/axapi/v3/snmp-server/view/{viewname}+{oid}

view attributes

```
GET /axapi/v3/snmp-server/view/a+1.3.6.1.2.1.2
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "view": {
        "viewname": "a",
        "oid": "1.3.6.1.2.1.2",
        "type": "included",
        "uuid": "d445a9f6-b684-11ef-8129-ae71681635d0",
        "a10-url": "/axapi/v3/snmp-server/view/a+1.3.6.1.2.1.2"
    }
}
```

Get List

GET

/axapi/v3/snmp-server/view

view-list

Modify Object

POST

/axapi/v3/snmp-server/view/{viewname}+{oid}

view attributes

Replace Object

PUT

/axapi/v3/snmp-server/view/{viewname}+{oid}

view attributes

```
PUT /axapi/v3/snmp-server/view/a+1.3.6.1.2.1.2
Payload:
{
    "view": {
        "oid": "1.3.6.1.2.1.2",
        "viewname": "a",
        "type": "excluded"
    }
}
```

Replace List

PUT

/axapi/v3/snmp-server/view

view-list

Delete Object

DELETE

/axapi/v3/snmp-server/view/{viewname}+{oid}

view attributes

```
DELETE /axapi/v3/snmp-server/view/a+1.3.6.1.2.1.2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

view-list

view-list is **JSON List** of *view attributes*

view-list : [

{ *view attributes* },

{ *view attributes* },

...

]

view attributes

mask

Description Hex octets, separated by '.', mask of oid

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Mutual Exclusion: mask and type are mutually exclusive

oid

Description MIB view family name or oid

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

type

Description 'included': MIB family is included in the view; 'excluded': MIB family is excluded from the view;

Type: string

Supported Values: included, excluded

Mutual Exclusion: type and mask are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

viewname

Description Name of the view

Type: string

Maximum Length: 31 characters

Maximum Length: 1 characters

2.123 so-counters

Objects:

2.123.1 so-counters

Show scaleout statistics

so-counters Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	so-counters
Element URI	/axapi/v3/so-counters
Element Attributes	so-counters_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/so-counters/stats
Schema	`so-counters schema`

Operations Allowed:

Create Object

POST

/axapi/v3/so-counters

so-counters attributes

```
POST /axapi/v3/so-counters
Payload:
{
    "so-counters": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/so-counters

so-counters attributes

```
GET /axapi/v3/so-counters
Reponse:
{
    "so-counters": {
        "uuid": "89961428-b6a6-11ef-b71b-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/so-counters"
    }
}
```

Modify Object

POST

/axapi/v3/so-counters

so-counters attributes

Replace Object

PUT

/axapi/v3/so-counters

so-counters attributes

```
PUT /axapi/v3/so-counters
Payload:
{
    "so-counters": {
        "sampling-enable": [
            {
                "counters1": "so_pkts_rcvd"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/so-counters

so-counters attributes

```
DELETE /axapi/v3/so-counters
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

so-counters attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'so_pkts_rcvd': Total data packets received; 'so_redirect_pkts_sent': Total packets redirected out of node; 'so_pkts_dropped': Total packets dropped; 'so_redirected_pkts_rcvd': Total redirected packets received on node; 'so_fw_shadow_session_created': FW Shadow Session created; 'so_pkts_traffic_map_not_found_drop': Traffic MAP Not Found Drop; 'so_slb_pkts_redirect_conn_aged_out': Total SLB redirect conns aged out; 'so_pkts_scaleout_not_active_drop': Scaleout Not Active Drop; 'so_pkts_slb_nat_reserve_fail': Total SLB NAT reserve failures; 'so_pkts_slb_nat_release_fail': Total SLB NAT release failures; 'so_pkts_dest_mac_mismatch_drop': Destination MAC Mistmatch Drop; 'so_pkts_l2redirect_dest_mac_zero_drop': Destination MAC Address zero Drop; 'so_pkts_l2redirect_interface_not_up': L2redirect Intf is not UP; 'so_pkts_l2redirect_invalid_redirect_info_error': Redirect Table Error due to invalid redirect

info; 'so_pkts_l3_redirect_encap_error_drop': L3 Redirect encap error drop during transmission; 'so_pkts_l3_redirect_inner_mac_zero_drop': L3 Redirect inner mac zero drop during transmission; 'so_pkts_l3_redirect_decap_vlan_sanity_drop': L3 Redirect Decap VLAN Sanity Drop during receipt; 'so_pkts_l3_redirect_decap_non_ipv4_vxlan_drop': L3 Redirect received non ipv4 VXLAN packet; 'so_pkts_l3_redirect_decap_rx_encap_params_drop': L3 Redirect decap Rx encap params error Drop; 'so_pkts_l3_redirect_table_error': L3 Redirect Table error Drop; 'so_pkts_l3_redirect_rcvd_in_l2_mode_drop': Recevied l3 redirect packets in L2 mode Drop; 'so_pkts_l3_redirect_fragmentation_error': L3 redirect encap Fragmentation error; 'so_pkts_l3_redirect_table_no_entry_found': L3 redirect Table no redirect entry found error; 'so_pkts_l3_redirect_invalid_dev_dir': L3 Redirect Invalid Device direction during transmission; 'so_pkts_l3_redirect_chassis_dest_mac_error': L3 Redirect RX multi-slot Destination MAC Error; 'so_pkts_l3_redirect_encap_ipv4_jumbo_frag_drop': L3 Redirect ipv4 packet after encap more than max jumbo size; 'so_pkts_l3_redirect_encap_ipv6_jumbo_frag_drop': L3 Redirect tx ipv6 packet after encap more than max jumbo size; 'so_pkts_l3_redirect_too_large_pkts_in_drop': Received L3 Redirected fragmented packets too large; 'so_sync_fw_shadow_session_create': Sent Sync message for FW Shadow session creation; 'so_sync_fw_shadow_session_delete': Sent Sync message for FW Shadow session deletion; 'so_sync_fw_shadow_ext': Sync FW Shadow extension creation/updation; 'so_sync_shadow_stats_to_active': Sync Shadow session stats from shadow to active; 'so_fw_internal_rule_count': FW internal rule count; 'so_hc_registration_done': Scaleout stats block registered with HC; 'so_hc_deregistration_done': Scaleout stats block de-registered with HC; 'so_pkts_l2redirect_vlan_retrieval_error': L2 redirect pkt vlan not retrieved; 'so_pkts_l2redirect_port_retrieval_error': L2 redirect pkt port not retrieved; 'so_slb_shadow_session_created': SLB Shadow Session created; 'so_sync_slb_shadow_session_create': Sent Sync message for SLB Shadow session creation; 'so_sync_slb_shadow_session_delete': Sent Sync message for SLB Shadow session deletion;

Type: string

Supported Values: all, so_pkts_rcvd, so_redirect_pkts_sent, so_pkts_dropped, so_redirected_pkts_rcvd, so_fw_shadow_session_created, so_pkts_traffic_map_not_found_drop, so_slb_pkts_redirect_conn_aged_out, so_pkts_scaleout_not_active_drop, so_pkts_slb_nat_reserve_fail, so_pkts_slb_nat_release_fail, so_pkts_dest_mac_mismatch_drop, so_pkts_l2redirect_dest_mac_zero_drop, so_pkts_l2redirect_interface_not_up, so_pkts_l2redirect_invalid_redirect_info_error, so_pkts_l3_redirect_encap_error_drop, so_pkts_l3_redirect_inner_mac_zero_drop, so_pkts_l3_redirect_decap_vlan_sanity_drop, so_pkts_l3_redirect_decap_non_ipv4_vxlan_drop, so_pkts_l3_redirect_decap_rx_encap_params_drop, so_pkts_l3_redirect_table_error, so_pkts_l3_redirect_rcvd_in_l2_mode_drop, so_pkts_l3_redirect_fragmentation_error, so_pkts_l3_redirect_table_no_entry_found, so_pkts_l3_redirect_invalid_dev_dir, so_pkts_l3_redirect_chassis_dest_mac_error, so_pkts_l3_redirect_encap_ipv4_jumbo_frag_drop, so_pkts_l3_redirect_encap_ipv6_jumbo_frag_drop, so_pkts_l3_redirect_too_large_pkts_in_drop, so_pkts_l3_redirect_encap_mtu_error_drop, so_sync_fw_shadow_session_create, so_sync_fw_shadow_session_delete, so_sync_fw_shadow_ext, so_sync_shadow_stats_to_active, so_fw_internal_rule_count, so_hc_registration_done, so_hc_deregistration_done, so_pkts_l2redirect_vlan_retrieval_error, so_pkts_l2redirect_port_retrieval_error, so_pkts_l2redirect_loop_detect_drop, so_pkts_l2redirect_same_pkt_multiple_times, so_slb_shadow_session_created, so_sync_slb_shadow_session_create, so_sync_slb_shadow_session_delete, so_pkts_cgn_traffic_map_mismatch_drop, so_pkts_redirection_loop_drop, so_pkts_l2redirect_frag_vlan_retrieval_error, so_pkts_l2redirect_tx_frag_vlan_add_fail, so_hairpin_inbound_check_no_route, so_hairpin_incorrect_intf_tag, so_hairpin_inbound_no_dst_change, so_hairpin_missing_pkt_hash, so_hairpin_no_fwd_dev, so_hairpin_conn_ext_failed, so_hairpin_no_hairpin_intf, so_hairpin_intf_wrong_tag, so_hairpin_conn_success

2.123.2 so-counters stats

Statistics for the object so-counters

so-counters Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	so-counters
Element URI	/axapi/v3/so-counters/stats
Element Attributes	so-counters_attributes
Partition Visibility	None
Schema	`so-counters schema`

Operations Allowed:

Create Object

POST

/axapi/v3/so-counters/stats

so-counters attributes

Get Object

GET

/axapi/v3/so-counters/stats

so-counters attributes

Modify Object

POST

/axapi/v3/so-counters/stats

so-counters attributes

Replace Object

PUT

/axapi/v3/so-counters/stats

so-counters attributes

Delete Object

DELETE

/axapi/v3/so-counters/stats

so-counters attributes

so-counters attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

so_fw_shadow_session_created

Description FW Shadow Session created

Type: number

Format: counter

so_pkts_cgn_traffic_map_mismatch_drop

Description CGN packets traffic map mismatch drop

Type: number

Format: counter

so_pkts_dest_mac_mismatch_drop

Description Destination MAC Mistmatch Drop

Type: number

Format: counter

so_pkts_dropped

Description Total packets dropped

Type: number

Format: counter

so_pkts_l2redirect_dest_mac_zero_drop

Description Destination MAC Address zero Drop

Type: number

Format: counter

so_pkts_l2redirect_frag_vlan_retrieval_error

Description L2 redirect pkt frag vlan not retrieved

Type: number

Format: counter

so_pkts_l2redirect_interface_not_up

Description L2redirect Intf is not UP

Type: number

Format: counter

so_pkts_l2redirect_invalid_redirect_info_error

Description Redirect Table Error due to invalid redirect info

Type: number

Format: counter

so_pkts_l2redirect_loop_detect_drop

Description L2 redirect pkt loop detected and dropped

Type: number

Format: counter

so_pkts_l2redirect_port_retrieval_error

Description L2 redirect pkt port not retrieved

Type: number

Format: counter

so_pkts_l2redirect_same_pkt_multiple_times

Description L2 redirect same pkt multiple times

Type: number

Format: counter

so_pkts_l2redirect_tx_frag_vlan_add_fail

Description L2 redirect tx pkt failed to add vlan

Type: number

Format: counter

so_pkts_l2redirect_vlan_retrieval_error

Description L2 redirect pkt vlan not retrieved

Type: number

Format: counter

so_pkts_l3_redirect_chassis_dest_mac_error

Description L3 Redirect RX multi-slot Destination MAC Error

Type: number

Format: counter

so_pkts_l3_redirect_decap_non_ipv4_vxlan_drop

Description L3 Redirect received non ipv4 VXLAN packet

Type: number

Format: counter

so_pkts_l3_redirect_decap_rx_encap_params_drop

Description L3 Redirect decap Rx encap params error Drop

Type: number

Format: counter

so_pkts_l3_redirect_decap_vlan_sanity_drop

Description L3 Redirect Decap VLAN Sanity Drop during receipt

Type: number

Format: counter

so_pkts_l3_redirect_encap_error_drop

Description L3 Redirect encap error drop during transmission

Type: number

Format: counter

so_pkts_l3_redirect_encap_ipv4_jumbo_frag_drop

Description L3 Redirect ipv4 packet after encap more than max jumbo size

Type: number

Format: counter

so_pkts_l3_redirect_encap_ipv6_jumbo_frag_drop

Description L3 Redirect tx ipv6 packet after encap more than max jumbo size

Type: number

Format: counter

so_pkts_l3_redirect_encap_mtu_error_drop

Description Received L3 Redirected MTU not enough to add encap

Type: number

Format: counter

so_pkts_l3_redirect_fragmentation_error

Description L3 redirect encap Fragmentation error

Type: number

Format: counter

so_pkts_l3_redirect_inner_mac_zero_drop

Description L3 Redirect inner mac zero drop during transmission

Type: number

Format: counter

so_pkts_l3_redirect_invalid_dev_dir

Description L3 Redirect Invalid Device direction during transmission

Type: number

Format: counter

so_pkts_l3_redirect_rcvd_in_l2_mode_drop

Description Recevied l3 redirect packets in L2 mode Drop

Type: number

Format: counter

so_pkts_l3_redirect_table_error

Description L3 Redirect Table error Drop

Type: number

Format: counter

so_pkts_l3_redirect_table_no_entry_found

Description L3 redirect Table no redirect entry found error

Type: number

Format: counter

so_pkts_l3_redirect_too_large_pkts_in_drop

Description Received L3 Redirected fragmented packets too large

Type: number

Format: counter

so_pkts_rcvd

Description Total data packets received

Type: number

Format: counter

so_pkts_redirection_loop_drop

Description Packets redirection loop drop

Type: number

Format: counter

so_pkts_scaleout_not_active_drop

Description Scaleout Not Active Drop

Type: number

Format: counter

so_pkts_slb_nat_release_fail

Description Total SLB NAT release failures

Type: number

Format: counter

so_pkts_slb_nat_reserve_fail

Description Total SLB NAT reserve failures

Type: number

Format: counter

so_pkts_traffic_map_not_found_drop

Description Traffic MAP Not Found Drop

Type: number

Format: counter

so_redirect_pkts_sent

Description Total packets redirected out of node

Type: number

Format: counter

so_redirected_pkts_rcvd

Description Total redirected packets received on node

Type: number

Format: counter

so_slb_pkts_redirect_conn_aged_out

Description Total SLB redirect conns aged out

Type: number

Format: counter

so_slb_shadow_session_created

Description SLB Shadow Session created

Type: number

Format: counter

2.124 ssh-login-grace-time

Objects:

2.124.1 ssh-login-grace-time

The grace time during which a connection can exist without successful authentication

ssh-login-grace-time Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssh-login-grace-time
Element URI	/axapi/v3/ssh-login-grace-time
Element Attributes	ssh-login-grace-time_attributes
Partition Visibility	shared
Schema	`ssh-login-grace-time schema`

Operations Allowed:

Create Object

POST

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

```
POST /axapi/v3/ssh-login-grace-time
Payload:
{
    "ssh-login-grace-time": {
        "grace-time": 5
    }
}
```

Get Object

GET

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

```
GET /axapi/v3/ssh-login-grace-time
Reponse:
{
    "ssh-login-grace-time": {
        "grace-time": 5,
        "uuid": "85d4a960-b6df-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/ssh-login-grace-time"
    }
}
```

Modify Object

POST

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

Replace Object

PUT

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

```
PUT /axapi/v3/ssh-login-grace-time
Payload:
{
    "ssh-login-grace-time": {
        "grace-time": 5
    }
}
```

Delete Object

DELETE

/axapi/v3/ssh-login-grace-time

ssh-login-grace-time attributes

```
DELETE /axapi/v3/ssh-login-grace-time
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "The ssh login grace time is set to system default (120 seconds).\n"
    }
}
```

ssh-login-grace-time attributes

grace-time

Description specify number of seconds

Type: number

Range: 5-600

Default: 120

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.125 syn-cookie

Objects:

2.125.1 syn-cookie

Global Syn-Cookie Protection

syn-cookie Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	syn-cookie
Element URI	/axapi/v3/syn-cookie
Element Attributes	syn-cookie_attributes
Partition Visibility	shared
Schema	`syn-cookie schema`

Operations Allowed:

Create Object

POST

/axapi/v3/syn-cookie

syn-cookie attributes

```
POST /axapi/v3/syn-cookie
Payload:
{
    "syn-cookie": {
        "enable": 1,
        "on-threshold": 0,
        "off-threshold": 0
    }
}
```

Get Object

GET

/axapi/v3/syn-cookie

syn-cookie attributes

Modify Object

POST

/axapi/v3/syn-cookie

syn-cookie attributes

Replace Object

PUT

/axapi/v3/syn-cookie

syn-cookie attributes

Delete Object

DELETE

/axapi/v3/syn-cookie

syn-cookie attributes

syn-cookie attributes

enable

Description Global Syn-Cookie Protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

off-threshold

Description off-threshold for Syn-cookie. (default 0) (Decimal number)

Type: number

Range: 0-2147483647

Default: 0

on-threshold

Description on-threshold for Syn-cookie. (default 0) (Decimal number, 0 for turning on Syn-cookie without threshold)

Type: number

Range: 0-2147483647

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.126 sys-audit-log

Objects:

2.126.1 sys-audit-log

System Audit Log Info

sys-audit-log Specification

Parameter	Value
Type	*operational*
Element Name	sys-audit-log
Element URI	/axapi/v3/sys-audit-log
Element Attributes	sys-audit-log_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/sys-audit-log/oper
Schema	`sys-audit-log schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/sys-audit-log

sys-audit-log attributes

sys-audit-log attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.126.2 sys-audit-log oper

Operational Status for the object sys-audit-log

sys-audit-log Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sys-audit-log
Element URI	/axapi/v3/sys-audit-log/oper
Element Attributes	sys-audit-log_attributes
Partition Visibility	None
Schema	`sys-audit-log schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-audit-log/oper

sys-audit-log attributes

Get Object

GET

/axapi/v3/sys-audit-log/oper

sys-audit-log attributes

Modify Object

POST

/axapi/v3/sys-audit-log/oper

sys-audit-log attributes

Replace Object

PUT

/axapi/v3/sys-audit-log/oper

sys-audit-log attributes

Delete Object

DELETE

/axapi/v3/sys-audit-log/oper

sys-audit-log attributes

sys-audit-log attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

system-audit-log

Type: List

oper_system-audit-log

Specification	Value
Type	*list*
Block object keys	

log-audit-data

Description

Type: string

log-audit-search

Description

Type: string

partitions

Description

Type: string

2.127 sys-ut

Objects:

2.127.1 sys-ut

System unit test

sys-ut Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	sys-ut
Element URI	/axapi/v3/sys-ut
Element Attributes	sys-ut_attributes
Partition Visibility	shared
Schema	`sys-ut schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut

sys-ut attributes

```
POST /axapi/v3/sys-ut
Payload:
{
    "sys-ut": {
        "action": "enable",
        "run-test": {
            "mode": "basic"
        }
    }
}
```

Get Object

GET

/axapi/v3/sys-ut

sys-ut attributes

```
GET /axapi/v3/sys-ut
Reponse:
{
    "sys-ut": {
        "action": "enable",
        "uuid": "5ba0f764-b6fa-11ef-b78f-ae71681635d0",
        "common": {
            "proceed-on-error": 1,
            "uuid": "5ba10eac-b6fa-11ef-b78f-ae71681635d0",
            "a10-url": "/axapi/v3/sys-ut/common"
        },
        "a10-url": "/axapi/v3/sys-ut"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut

sys-ut attributes

Replace Object

PUT

/axapi/v3/sys-ut

sys-ut attributes

```
PUT /axapi/v3/sys-ut
Payload:
{
    "sys-ut": {
        "test-name": "abcd",
```

(continues on next page)

(continued from previous page)

```
        "common": {
            "delay": 2
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut

sys-ut attributes

```
DELETE /axapi/v3/sys-ut
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

sys-ut attributes

action

Description 'enable': Set device to SUT mode; 'disable': Set device to normal mode;

Type: string

Supported Values: enable, disable

Default: disable

common

Description: common is a **JSON Block**. Please see below for *common*

Type: Object

Reference Object: */axapi/v3/sys-ut/common*

event-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}*

run-test

Description: run-test is a **JSON Block**. Please see below for *run-test*

Type: Object

Reference Object: */axapi/v3/sys-ut/run-test*

secondary-name

Description Minor test case name. This is autogenerated

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

state-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}*

template-list

Type: List

Reference Object: */axapi/v3/sys-ut/template/{name}*

test-name

Description Name for this test case

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list

Specification	Value
Type	*list*
Block object keys	

action-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}*

event-number

Description Event number

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list

Specification	Value
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *event-list_action-list_ignore-validation*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *event-list_action-list_l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *event-list_action-list_l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *event-list_action-list_l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *event-list_action-list_tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *event-list_action-list_udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list_ignore-validation

Specification	Value
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list_udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list_tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *event-list_action-list_tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *event-list_action-list_tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

event-list_action-list_tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

event-list_action-list_tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

event-list_action-list_l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

event-list_action-list_l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

event-list_action-list_l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

event-list_action-list_l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

event-list_action-list_l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

event-list_action-list_l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

event-list_action-list_l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

common

Specification	Value
Type	*object*

delay

Description wait time in seconds after each run

Type: number

Range: 1-3600

proceed-on-error

Description Run test even in case of event failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	Value
Type	*list*
Block object keys	

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *template-list_ignore-validation*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *template-list_l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *template-list_l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *template-list_l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/l3*

name

Description template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Description: tcp is a **JSON Block**. Please see below for *template-list_tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *template-list_udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/udp*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port-range

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_udp_src-port-range

Specification	Value
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

template-list_l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

template-list_l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

template-list_l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

template-list_l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

template-list_l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

template-list_l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

template-list_l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-end-address

Description IP end address

Type: string

Format: ipv4-address

ipv4-start-address

Description IP address

Type: string

Format: ipv4-address

ipv6-end-address

Description Ipv6 end address

Type: string

Format: ipv6-address

ipv6-start-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

template-list_ignore-validation

Specification	Value
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *template-list_tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *template-list_tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port-range

Type: List

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

template-list_tcp_src-port-range

Specification	Value
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

template-list_tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

state-list

Specification	Value
Type	*list*
Block object keys	

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list

Specification	Value
Type	*list*
Block object keys	

case-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}*

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list

Specification	Value
Type	*list*
Block object keys	

action-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}*

case-number

Description

Type: number

Range: 1-32

repeat

Description number of times case should be repeated before state transition

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list_action-list

Specification	Value
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list_action-list_udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list_action-list_tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *state-list_next-state-list_case-list_action-list_tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

state-list_next-state-list_case-list_action-list_tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

state-list_next-state-list_case-list_action-list_tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

state-list_next-state-list_case-list_action-list_l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

state-list_next-state-list_case-list_action-list_l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

state-list_next-state-list_case-list_action-list_l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

state-list_next-state-list_case-list_action-list_l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

state-list_next-state-list_case-list_action-list_l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

state-list_next-state-list_case-list_action-list_l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

state-list_next-state-list_case-list_action-list_l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

run-test

Specification	Value
Type	*object*

mode

Description 'basic': Run Basic mode; 'fault-injection': Run FI mode. This will also run Basic mode to gather data; 'cpu-rr': Run CPU RR mode; 'frag': Run IP frag mode;

Type: string

Supported Values: basic, fault-injection, cpu-rr, frag

2.127.2 sys-ut common

Common

common Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	common
Element URI	/axapi/v3/sys-ut/common
Element Attributes	common_attributes
Partition Visibility	shared
Schema	`common schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/common

common attributes

```
POST /axapi/v3/sys-ut/common
Payload:
{
    "common": {
        "proceed-on-error": 1
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/common

common attributes

```
GET /axapi/v3/sys-ut/common
Reponse:
{
    "common": {
        "proceed-on-error": 1,
        "uuid": "a0057df8-b6fa-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/common"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/common

common attributes

Replace Object

PUT

/axapi/v3/sys-ut/common

common attributes

```
PUT /axapi/v3/sys-ut/common
Payload:
{
    "common": {
        "proceed-on-error": 0
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/common

common attributes

```
DELETE /axapi/v3/sys-ut/common
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

common attributes

delay

Description wait time in seconds after each run

Type: number

Range: 1-3600

proceed-on-error

Description Run test even in case of event failure

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.127.3 sys-ut event

Specify event parameters

event Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*event-number*
Collection Name	*event-list*
Collection URI	/axapi/v3/sys-ut/event
Element Name	event
Element URI	/axapi/v3/sys-ut/event/{event-number}
Element Attributes	event_attributes
Partition Visibility	shared
Schema	`event schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event

event attributes

```
POST /axapi/v3/sys-ut/event/
Payload:
{
    "event": {
        "event-number": 1
    }
}
```

Create List

POST

/axapi/v3/sys-ut/event

event attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}

event attributes

```
GET /axapi/v3/sys-ut/event/1
Reponse:
{
    "event": {
```

(continues on next page)

(continued from previous page)

```
        "event-number": 1,
        "uuid": "c2ba5990-b6fa-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/event/1"
    }
}
```

Get List

GET

/axapi/v3/sys-ut/event

event-list

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}

event attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}

event attributes

```
PUT /axapi/v3/sys-ut/event/1
Payload:
{
    "event": {
        "event-number": 1
    }
}
```

Replace List

PUT

/axapi/v3/sys-ut/event

event-list

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}

event attributes

```
DELETE /axapi/v3/sys-ut/event/1
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

event-list

event-list is **JSON List** of *event attributes*

event-list : [

{ *event attributes* },

{ *event attributes* },

...

]

event attributes

action-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}*

event-number

Description Event number

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list

Specification	Value
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *action-list_ignore-validation*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *action-list_l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *action-list_l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *action-list_l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *action-list_tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *action-list_udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_ignore-validation

Specification	Value
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *action-list_tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *action-list_tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

action-list_tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

action-list_l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

action-list_l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

action-list_l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

action-list_l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

action-list_l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

action-list_l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

action-list_l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.4 sys-ut event action

Specify event parameters

action Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*direction*
Collection Name	*action-list*
Collection URI	/axapi/v3/sys-ut/event/{event-number}/action
Element Name	action
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}
Element Attributes	action_attributes
Partition Visibility	shared
Schema	`action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action

action attributes

Create List

POST

/axapi/v3/sys-ut/event/{event-number}/action

action attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}

action attributes

Get List

GET

/axapi/v3/sys-ut/event/{event-number}/action

action-list

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}

action attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}

action attributes

Replace List

PUT

/axapi/v3/sys-ut/event/{event-number}/action

action-list

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}

action attributes

action-list

action-list is **JSON List** of *action attributes*

action-list : [

{ *action attributes* },

{ *action attributes* },

...

]

action attributes

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *ignore-validation*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ignore-validation

Specification	Value
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.5 sys-ut event action ignore-validation

Ignore following layers for validation

ignore-validation Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ignore-validation
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation
Element Attributes	ignore-validation_attributes
Partition Visibility	shared
Schema	`ignore-validation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/ignore-validation

ignore-validation attributes

ignore-validation attributes

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.127.6 sys-ut event action l1

L1 packet paramters

l1 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l1
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1
Element Attributes	l1_attributes
Partition Visibility	shared
Schema	`l1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l1

l1 attributes

l1 attributes

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.7 sys-ut event action l2

L2 packet paramters

l2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l2
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2
Element Attributes	l2_attributes
Partition Visibility	shared
Schema	`l2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2

l2 attributes

l2 attributes

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.8 sys-ut event action l2 mac

Mac Address

mac Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*mac-list*
Collection URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac
Element Name	mac
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}
Element Attributes	mac_attributes
Partition Visibility	shared
Schema	`mac schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac

mac attributes

Create List

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac

mac attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Get List

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac

mac-list

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Replace List

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac

mac-list

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

mac-list

mac-list is **JSON List** of *mac attributes*

mac-list : [

{ *mac attributes* },

{ *mac attributes* },

…

]

mac attributes

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.9 sys-ut event action l3

L3 packet paramters

l3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l3
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3
Element Attributes	l3_attributes
Partition Visibility	shared
Schema	`l3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3

l3 attributes

l3 attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.10 sys-ut event action l3 ip

IP address

ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*ip-list*
Collection URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip
Element Name	ip
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip

ip attributes

Create List

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip

ip attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Get List

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip

ip-list

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Replace List

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip

ip-list

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.11 sys-ut event action tcp

TCP header

tcp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp

tcp attributes

tcp attributes

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *options*

Type: Object

Reference Object: */axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.127.12 sys-ut event action tcp flags

TCP flags

flags Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	flags
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags
Element Attributes	flags_attributes
Partition Visibility	shared
Schema	`flags schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/flags

flags attributes

flags attributes

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.127.13 sys-ut event action tcp options

Tcp Flags

options Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	options
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options
Element Attributes	options_attributes
Partition Visibility	shared
Schema	`options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/tcp/options

options attributes

options attributes

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.127.14 sys-ut event action udp

UDP header

udp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp
Element Attributes	udp_attributes
Partition Visibility	shared
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

Get Object

GET

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

Modify Object

POST

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

Replace Object

PUT

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/event/{event-number}/action/{direction}/udp

udp attributes

udp attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.127.15 sys-ut run-suite

Generate test cases and run them

run-suite Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	run-suite
Element URI	/axapi/v3/sys-ut/run-suite
Element Attributes	run-suite_attributes
Partition Visibility	None
Schema	`run-suite schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/run-suite

run-suite attributes

Get Object

GET

/axapi/v3/sys-ut/run-suite

run-suite attributes

Modify Object

POST

/axapi/v3/sys-ut/run-suite

run-suite attributes

run-suite attributes

2.127.16 sys-ut state

State machine node

state Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*state-list*
Collection URI	/axapi/v3/sys-ut/state
Element Name	state
Element URI	/axapi/v3/sys-ut/state/{name}
Element Attributes	state_attributes
Partition Visibility	shared
Schema	`state schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state

state attributes

```
POST /axapi/v3/sys-ut/state/
Payload:
{
    "state": {
        "name": "a"
    }
}
```

Create List

POST

/axapi/v3/sys-ut/state

state attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}

state attributes

```
GET /axapi/v3/sys-ut/state/a
Reponse:
{
    "state": {
        "name": "a",
        "uuid": "4717dd9a-b6fe-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/state/a"
    }
}
```

Get List

GET

/axapi/v3/sys-ut/state

state-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}

state attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}

state attributes

```
PUT /axapi/v3/sys-ut/state/a
Payload:
{
    "state": {
        "name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/sys-ut/state

state-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}

state attributes

```
DELETE /axapi/v3/sys-ut/state/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

state-list

state-list is **JSON List** of *state attributes*

state-list : [

{ *state attributes* },

{ *state attributes* },

...

]

state attributes

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list

Specification	Value
Type	*list*
Block object keys	

case-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}*

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list

Specification	Value
Type	*list*
Block object keys	

action-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}*

case-number

Description

Type: number

Range: 1-32

repeat

Description number of times case should be repeated before state transition

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list_action-list

Specification	Value
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list_action-list_udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list_action-list_tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *next-state-list_case-list_action-list_tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

next-state-list_case-list_action-list_tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

next-state-list_case-list_action-list_tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

next-state-list_case-list_action-list_l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

next-state-list_case-list_action-list_l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

next-state-list_case-list_action-list_l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

next-state-list_case-list_action-list_l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

next-state-list_case-list_action-list_l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

next-state-list_case-list_action-list_l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

next-state-list_case-list_action-list_l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.17 sys-ut state next-state

Next State machine node

next-state Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*next-state-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state
Element Name	next-state
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}
Element Attributes	next-state_attributes
Partition Visibility	shared
Schema	`next-state schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state

next-state attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state

next-state attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}

next-state attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state

next-state-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}

next-state attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}

next-state attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state

next-state-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}

next-state attributes

next-state-list

next-state-list is **JSON List** of *next-state attributes*

next-state-list : [

{ *next-state attributes* },

{ *next-state attributes* },

…

]

next-state attributes

case-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}*

name

Description Node name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list

Specification	Value
Type	*list*
Block object keys	

action-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}*

case-number

Description

Type: number

Range: 1-32

repeat

Description number of times case should be repeated before state transition

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list_action-list

Specification	Value
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *case-list_action-list_l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *case-list_action-list_l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *case-list_action-list_l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *case-list_action-list_tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *case-list_action-list_udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list_action-list_udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list_action-list_tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *case-list_action-list_tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *case-list_action-list_tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

case-list_action-list_tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

case-list_action-list_tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

case-list_action-list_l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

case-list_action-list_l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

case-list_action-list_l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

case-list_action-list_l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

case-list_action-list_l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

case-list_action-list_l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

case-list_action-list_l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.18 sys-ut state next-state case

Case number

case Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*case-number*
Collection Name	*case-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case
Element Name	case
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}
Element Attributes	case_attributes
Partition Visibility	shared
Schema	`case schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case

case attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case

case attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}

case attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case

case-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}

case attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}

case attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case

case-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}

case attributes

case-list

case-list is **JSON List** of *case attributes*

case-list : [

{ *case attributes* },

{ *case attributes* },

...

]

case attributes

action-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}*

case-number

Description

Type: number

Range: 1-32

repeat

Description number of times case should be repeated before state transition

Type: number

Range: 1-32

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list

Specification	Value
Type	*list*
Block object keys	

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *action-list_l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *action-list_l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *action-list_l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *action-list_tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *action-list_udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *action-list_tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *action-list_tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

action-list_tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

action-list_tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

action-list_l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

action-list_l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

action-list_l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

action-list_l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

action-list_l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

action-list_l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

action-list_l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.19 sys-ut state next-state case action

Specify event parameters

action Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*direction*
Collection Name	*action-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action
Element Name	action
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}
Element Attributes	action_attributes
Partition Visibility	shared
Schema	`action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action

action attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action

action attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}

action attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action

action-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}

action attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}

action attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action

action-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}

action attributes

action-list

action-list is **JSON List** of *action attributes*

action-list : [

{ *action attributes* },

{ *action attributes* },

...

]

action attributes

delay

Description Delay in seconds

Type: number

Range: 1-3600

direction

Description 'send': Test event; 'expect': Expected result; 'wait': Introduce a delay;

Type: string

Supported Values: send, expect, wait

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description: l1 is a **JSON Block**. Please see below for *l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp*

template

Description Packet template

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/sys-ut/template*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.20 sys-ut state next-state case action l1

L1 packet paramters

l1 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l1
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1
Element Attributes	l1_attributes
Partition Visibility	shared
Schema	`l1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l1

l1 attributes

l1 attributes

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.21 sys-ut state next-state case action l2

L2 packet paramters

l2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l2
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2
Element Attributes	l2_attributes
Partition Visibility	shared
Schema	`l2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2

l2 attributes

l2 attributes

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.22 sys-ut state next-state case action l2 mac

Mac Address

mac Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*mac-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac
Element Name	mac
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}
Element Attributes	mac_attributes
Partition Visibility	shared
Schema	`mac schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac

mac attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac

mac attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac

mac-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac

mac-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l2/mac/{src-dst}

mac attributes

mac-list

mac-list is **JSON List** of *mac attributes*

mac-list : [

{ *mac attributes* },

{ *mac attributes* },

...

]

mac attributes

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.23 sys-ut state next-state case action l3

L3 packet paramters

l3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l3
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3
Element Attributes	l3_attributes
Partition Visibility	shared
Schema	`l3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3

l3 attributes

l3 attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.24 sys-ut state next-state case action l3 ip

IP address

ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*ip-list*
Collection URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip
Element Name	ip
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip

ip attributes

Create List

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip

ip attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Get List

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip

ip-list

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

Replace List

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip

ip-list

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/l3/ip/{src-dst}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

```
ip-list : [
        { ip attributes },
        { ip attributes },
        ...
    ]
```

ip attributes

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv6-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.25 sys-ut state next-state case action tcp

TCP header

tcp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp

tcp attributes

tcp attributes

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *options*

Type: Object

Reference Object: */axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port

Description Source port value

Type: number

Range: 1-65535

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description ‘permitted’: permitted; ‘block’: block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.127.26 sys-ut state next-state case action tcp flags

TCP flags

flags Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	flags
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags
Element Attributes	flags_attributes
Partition Visibility	shared
Schema	`flags schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/flags

flags attributes

flags attributes

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.127.27 sys-ut state next-state case action tcp options

Tcp Flags

options Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	options
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options
Element Attributes	options_attributes
Partition Visibility	shared
Schema	`options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/tcp/options

options attributes

options attributes

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.127.28 sys-ut state next-state case action udp

UDP header

udp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp
Element Attributes	udp_attributes
Partition Visibility	shared
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

Get Object

GET

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

Modify Object

POST

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

Replace Object

PUT

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

Delete Object

DELETE

/axapi/v3/sys-ut/state/{name}/next-state/{name}/case/{case-number}/action/{direction}/udp

udp attributes

udp attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port

Description Source port value

Type: number

Range: 1-65535

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.127.29 sys-ut stop-test

Clear all dynamic test parameters and stop the test

stop-test Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	stop-test
Element URI	/axapi/v3/sys-ut/stop-test
Element Attributes	stop-test_attributes
Partition Visibility	None
Schema	`stop-test schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/stop-test

stop-test attributes

Get Object

GET

/axapi/v3/sys-ut/stop-test

stop-test attributes

Modify Object

POST

/axapi/v3/sys-ut/stop-test

stop-test attributes

stop-test attributes

2.127.30 sys-ut template

Packet config template

template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/sys-ut/template
Element Name	template
Element URI	/axapi/v3/sys-ut/template/{name}
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template

template attributes

```
POST /axapi/v3/sys-ut/template/
Payload:
{
    "template": {
        "name": "a"
    }
}
```

Create List

POST

/axapi/v3/sys-ut/template

template attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}

template attributes

```
GET /axapi/v3/sys-ut/template/a
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "template": {
        "name": "a",
        "uuid": "e105c572-b701-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/template/a"
    }
}
```

Get List

GET

/axapi/v3/sys-ut/template

template-list

Modify Object

POST

/axapi/v3/sys-ut/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}

template attributes

```
PUT /axapi/v3/sys-ut/template/a
Payload:
{
    "template": {
        "name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/sys-ut/template

template-list

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}

template attributes

```
DELETE /axapi/v3/sys-ut/template/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

ignore-validation

Description: ignore-validation is a **JSON Block**. Please see below for *ignore-validation*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/ignore-validation*

l1

Description: l1 is a **JSON Block**. Please see below for *l1*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/l1*

l2

Description: l2 is a **JSON Block**. Please see below for *l2*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/l2*

l3

Description: l3 is a **JSON Block**. Please see below for *l3*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/l3*

name

Description template name

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/tcp*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/udp*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port-range

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp_src-port-range

Specification	Value
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

l1

Specification	Value
Type	*object*

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

l1_eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

l1_trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

l2

Specification	Value
Type	*object*

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

l2_mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

l3

Specification	Value
Type	*object*

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

l3_ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-end-address

Description IP end address

Type: string

Format: ipv4-address

ipv4-start-address

Description IP address

Type: string

Format: ipv4-address

ipv6-end-address

Description Ipv6 end address

Type: string

Format: ipv6-address

ipv6-start-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

ignore-validation

Specification	Value
Type	*object*

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp

Specification	Value
Type	*object*

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *tcp_flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *tcp_options*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port-range

Type: List

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

tcp_src-port-range

Specification	Value
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

tcp_flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.127.31 sys-ut template ignore-validation

Ignore following layers for validation

ignore-validation Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ignore-validation
Element URI	/axapi/v3/sys-ut/template/{name}/ignore-validation
Element Attributes	ignore-validation_attributes
Partition Visibility	shared
Schema	`ignore-validation schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

```
POST /axapi/v3/sys-ut/template/a/ignore-validation
Payload:
{
    "ignore-validation": {
        "l1": 1
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

```
GET /axapi/v3/sys-ut/template/a/ignore-validation
Reponse:
{
    "ignore-validation": {
        "l1": 1,
        "l2": 0,
        "l3": 0,
        "l4": 0,
        "all": 0,
        "uuid": "2234c5ca-b702-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/template/a/ignore-validation"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

```
PUT /axapi/v3/sys-ut/template/a/ignore-validation
Payload:
{
    "ignore-validation": {
        "l1": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/ignore-validation

ignore-validation attributes

ignore-validation attributes

all

Description Skip validation

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l1

Description Dont validate TX descriptor. This includes Tx port, Len & vlan

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l2

Description Dont validate L2 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l3

Description Dont validate L3 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

l4

Description Dont validate L4 header

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.127.32 sys-ut template l1

L1 packet paramters

l1 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l1
Element URI	/axapi/v3/sys-ut/template/{name}/l1
Element Attributes	l1_attributes
Partition Visibility	shared
Schema	`l1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

```
POST /axapi/v3/sys-ut/template/a/l1
Payload:
{
    "l1": {
        "eth-list": [
            {
```

(continues on next page)

(continued from previous page)

```
                "ethernet-start": 1,
                "ethernet-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

```
GET /axapi/v3/sys-ut/template/a/l1
Reponse:
{
    "l1": {
        "eth-list": [
            {
                "ethernet-start": 1,
                "ethernet-end": 1
            }
        ],
        "drop": 0,
        "length": 0,
        "uuid": "404b5380-b702-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/template/a/l1"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

```
PUT /axapi/v3/sys-ut/template/a/l1
Payload:
{
    "l1": {
        "eth-list": [
            {
                "ethernet-start": 2,
```

(continues on next page)

(continued from previous page)

```
                "ethernet-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l1

l1 attributes

```
DELETE /axapi/v3/sys-ut/template/a/l1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

l1 attributes

auto

Description Auto calculate pkt len

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: auto and value are mutually exclusive

drop

Description Packet drop. Only allowed for output spec

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

eth-list

Type: List

length

Description packet length

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk_list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Total packet length starting at L2 header

Type: number

Range: 64-9000

Mutual Exclusion: value and auto are mutually exclusive

eth-list

Specification	Value
Type	*list*
Block object keys	

ethernet-end

Description Ethernet port

Type: number

Format: interface

ethernet-start

Description Ethernet port (Interface number)

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

trunk_list

Specification	Value
Type	*list*
Block object keys	

trunk-end

Description Trunk Group

Type: number

trunk-start

Description Trunk groups

Type: number

2.127.33 sys-ut template l2

L2 packet paramters

l2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l2
Element URI	/axapi/v3/sys-ut/template/{name}/l2
Element Attributes	l2_attributes
Partition Visibility	shared
Schema	`l2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

```
POST /axapi/v3/sys-ut/template/a/l2
Payload:
{
    "l2": {
        "mac-list": [
            {
                "src-dst": "dest",
                "address-type": "broadcast"
            }
        ],
        "ethertype": 1,
        "protocol": "arp"
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

```
GET /axapi/v3/sys-ut/template/a/l2
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "l2": {
        "ethertype": 1,
        "protocol": "arp",
        "vlan": 0,
        "uuid": "805f9d46-b702-11ef-b78f-ae71681635d0",
        "mac-list": [
            {
                "src-dst": "dest",
                "address-type": "broadcast",
                "uuid": "805faf0c-b702-11ef-b78f-ae71681635d0",
                "a10-url": "/axapi/v3/sys-ut/template/a/l2/mac/dest"
            }
        ],
        "a10-url": "/axapi/v3/sys-ut/template/a/l2"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

```
PUT /axapi/v3/sys-ut/template/a/l2
Payload:
{
    "l2": {
        "mac-list": [
            {
                "src-dst": "dest",
                "virtual-server": "abcd"
            }
        ],
        "ethertype": 1,
        "protocol": "ipv4"
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l2

l2 attributes

```
DELETE /axapi/v3/sys-ut/template/a/l2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

l2 attributes

ethertype

Description L2 frame type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mac-list

Type: List

Reference Object: */axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}*

protocol

Description 'arp': arp; 'ipv4': ipv4; 'ipv6': ipv6;

Type: string

Supported Values: arp, ipv4, ipv6

Default: ipv4

Mutual Exclusion: protocol and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description ethertype number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and protocol are mutually exclusive

vlan

Description Vlan ID on the packet. 0 is untagged

Type: number

Range: 0-4095

Default: 0

mac-list

Specification	Value
Type	*list*
Block object keys	

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.34 sys-ut template l2 mac

Mac Address

mac Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*mac-list*
Collection URI	/axapi/v3/sys-ut/template/{name}/l2/mac
Element Name	mac
Element URI	/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}
Element Attributes	mac_attributes
Partition Visibility	shared
Schema	`mac schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l2/mac

mac attributes

Create List

POST

/axapi/v3/sys-ut/template/{name}/l2/mac

mac attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}

mac attributes

Get List

GET

/axapi/v3/sys-ut/template/{name}/l2/mac

mac-list

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}

mac attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}

mac attributes

Replace List

PUT

/axapi/v3/sys-ut/template/{name}/l2/mac

mac-list

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l2/mac/{src-dst}

mac attributes

mac-list

mac-list is **JSON List** of *mac attributes*

mac-list : [

{ *mac attributes* },

{ *mac attributes* },

...

]

mac attributes

address-type

Description 'broadcast': broadcast; 'multicast': multicast;

Type: string

Supported Values: broadcast, multicast

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Mac Address

Type: string

Format: mac-address

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.35 sys-ut template l3

L3 packet paramters

l3 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	l3
Element URI	/axapi/v3/sys-ut/template/{name}/l3
Element Attributes	l3_attributes
Partition Visibility	shared
Schema	`l3 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

```
POST /axapi/v3/sys-ut/template/a/l3
Payload:
{
    "l3": {
        "ip-list": [
            {
                "src-dst": "dest",
                "ipv4-start-address": "3.3.3.3",
                "ipv4-end-address": "3.3.3.3"
            }
        ],
        "protocol": 1,
        "type": "tcp"
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

```
GET /axapi/v3/sys-ut/template/a/l3
Reponse:
{
    "l3": {
        "protocol": 1,
        "type": "tcp",
        "checksum": "valid",
        "uuid": "04b366e0-b703-11ef-b78f-ae71681635d0",
        "ip-list": [
            {
                "src-dst": "dest",
                "ipv4-start-address": "3.3.3.3",
                "ipv4-end-address": "3.3.3.3",
                "uuid": "04b4aee2-b703-11ef-b78f-ae71681635d0",
                "a10-url": "/axapi/v3/sys-ut/template/a/l3/ip/dest"
            }
        ],
        "a10-url": "/axapi/v3/sys-ut/template/a/l3"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

```
PUT /axapi/v3/sys-ut/template/a/l3
Payload:
{
    "l3": {
        "ip-list": [
            {
                "src-dst": "dest",
                "ipv4-start-address": "3.3.3.4"
            }
        ],
        "protocol": 1,
        "type": "udp"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l3

l3 attributes

```
DELETE /axapi/v3/sys-ut/template/a/l3
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

l3 attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

ip-list

Type: List

Reference Object: */axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}*

protocol

Description L4 Protocol

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ttl

Description

Type: number

Range: 1-64

type

Description 'tcp': tcp; 'udp': udp; 'icmp': icmp;

Type: string

Supported Values: tcp, udp, icmp

Mutual Exclusion: type and value are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description protocol number

Type: number

Range: 0-2147483647

Mutual Exclusion: value and type are mutually exclusive

ip-list

Specification	Value
Type	*list*
Block object keys	

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-end-address

Description IP end address

Type: string

Format: ipv4-address

ipv4-start-address

Description IP address

Type: string

Format: ipv4-address

ipv6-end-address

Description Ipv6 end address

Type: string

Format: ipv6-address

ipv6-start-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.36 sys-ut template l3 ip

IP address

ip Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*src-dst*
Collection Name	*ip-list*
Collection URI	/axapi/v3/sys-ut/template/{name}/l3/ip
Element Name	ip
Element URI	/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}
Element Attributes	ip_attributes
Partition Visibility	shared
Schema	`ip schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/l3/ip

ip attributes

Create List

POST

/axapi/v3/sys-ut/template/{name}/l3/ip

ip attributes

Get Object

GET

/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}

ip attributes

Get List

GET

/axapi/v3/sys-ut/template/{name}/l3/ip

ip-list

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}

ip attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}

ip attributes

Replace List

PUT

/axapi/v3/sys-ut/template/{name}/l3/ip

ip-list

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/l3/ip/{src-dst}

ip attributes

ip-list

ip-list is **JSON List** of *ip attributes*

ip-list : [

{ *ip attributes* },

{ *ip attributes* },

...

]

ip attributes

ethernet

Description Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ethernet*

ipv4-end-address

Description IP end address

Type: string

Format: ipv4-address

ipv4-start-address

Description IP address

Type: string

Format: ipv4-address

ipv6-end-address

Description Ipv6 end address

Type: string

Format: ipv6-address

ipv6-start-address

Description Ipv6 address

Type: string

Format: ipv6-address

nat-pool

Description Nat pool

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-dst

Description 'dest': dest; 'src': src;

Type: string

Supported Values: dest, src

trunk

Description Trunk number

Type: number

Format: interface

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve

Description Virtual Ethernet interface

Type: number

Format: interface

Reference Object: */axapi/v3/interface/ve*

virtual-server

Description vip

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/virtual-server*

2.127.37 sys-ut template tcp

TCP header

tcp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/sys-ut/template/{name}/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

```
POST /axapi/v3/sys-ut/template/a/tcp
Payload:
{
    "tcp": {
        "flags": {
            "syn": 1
        },
        "src-port-range": [
            {
                "src-port-start": 1,
                "src-port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

```
GET /axapi/v3/sys-ut/template/a/tcp
Reponse:
{
    "tcp": {
        "src-port-range": [
```

(continues on next page)

(continued from previous page)

```
            {
                "src-port-start": 1,
                "src-port-end": 1
            }
        ],
        "dest-port": 0,
        "seq-number": "valid",
        "ack-seq-number": "valid",
        "checksum": "valid",
        "urgent": "valid",
        "window": "valid",
        "uuid": "8fb0d052-b703-11ef-b78f-ae71681635d0",
        "flags": {
            "syn": 1,
            "ack": 0,
            "fin": 0,
            "rst": 0,
            "psh": 0,
            "ece": 0,
            "urg": 0,
            "cwr": 0,
            "uuid": "8fb10252-b703-11ef-b78f-ae71681635d0",
            "a10-url": "/axapi/v3/sys-ut/template/a/tcp/flags"
        },
        "a10-url": "/axapi/v3/sys-ut/template/a/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

```
PUT /axapi/v3/sys-ut/template/a/tcp
Payload:
{
    "tcp": {
        "flags": {
            "ack": 0
        },
        "src-port-range": [
            {
                "src-port-start": 2,
                "src-port-end": 2
```

(continues on next page)

(continued from previous page)

```
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/tcp

tcp attributes

```
DELETE /axapi/v3/sys-ut/template/a/tcp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tcp attributes

ack-seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

flags

Description: flags is a **JSON Block**. Please see below for *flags*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/tcp/flags*

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

options

Description: options is a **JSON Block**. Please see below for *options*

Type: Object

Reference Object: */axapi/v3/sys-ut/template/{name}/tcp/options*

seq-number

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port-range

Type: List

urgent

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

window

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

src-port-range

Specification	Value
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

flags

Specification	Value
Type	*object*

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

options

Specification	Value
Type	*object*

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.127.38 sys-ut template tcp flags

TCP flags

flags Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	flags
Element URI	/axapi/v3/sys-ut/template/{name}/tcp/flags
Element Attributes	flags_attributes
Partition Visibility	shared
Schema	`flags schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

```
POST /axapi/v3/sys-ut/template/a/tcp/flags
Payload:
{
    "flags": {
        "syn": 1
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

```
GET /axapi/v3/sys-ut/template/a/tcp/flags
Reponse:
{
    "flags": {
        "syn": 1,
        "ack": 0,
        "fin": 0,
        "rst": 0,
        "psh": 0,
        "ece": 0,
        "urg": 0,
        "cwr": 0,
        "uuid": "19cf60b4-b704-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/template/a/tcp/flags"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

```
PUT /axapi/v3/sys-ut/template/a/tcp/flags
Payload:
{
    "flags": {
        "syn": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/tcp/flags

flags attributes

flags attributes

ack

Description Ack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cwr

Description Cwr

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ece

Description Ece

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

fin

Description Fin

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psh

Description Psh

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rst

Description Rst

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

syn

Description Syn

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

urg

Description Urg

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.127.39 sys-ut template tcp options

Tcp Flags

options Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	options
Element URI	/axapi/v3/sys-ut/template/{name}/tcp/options
Element Attributes	options_attributes
Partition Visibility	shared
Schema	`options schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

```
POST /axapi/v3/sys-ut/template/a/tcp/options
Payload:
{
    "options": {
        "mss": 536
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

```
GET /axapi/v3/sys-ut/template/a/tcp/options
Reponse:
{
    "options": {
        "mss": 536,
        "time-stamp-enable": 0,
        "nop": 0,
        "uuid": "375928e0-b704-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/template/a/tcp/options"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

```
PUT /axapi/v3/sys-ut/template/a/tcp/options
Payload:
{
    "options": {
        "mss": 537
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/tcp/options

options attributes

```
DELETE /axapi/v3/sys-ut/template/a/tcp/options
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

options attributes

mss

Description TCP MSS

Type: number

Range: 536-1460

nop

Description No Op

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sack-type

Description 'permitted': permitted; 'block': block;

Type: string

Supported Values: permitted, block

time-stamp-enable

Description adds Time Stamp to options

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

wscale

Description

Type: number

Range: 1-8

2.127.40 sys-ut template udp

UDP header

udp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/sys-ut/template/{name}/udp
Element Attributes	udp_attributes
Partition Visibility	shared
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

```
POST /axapi/v3/sys-ut/template/a/udp
Payload:
{
    "udp": {
        "src-port-range": [
            {
                "src-port-start": 1,
                "src-port-end": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

```
GET /axapi/v3/sys-ut/template/a/udp
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "udp": {
        "src-port-range": [
            {
                "src-port-start": 1,
                "src-port-end": 1
            }
        ],
        "dest-port": 0,
        "checksum": "valid",
        "uuid": "69ab2320-b704-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/sys-ut/template/a/udp"
    }
}
```

Modify Object

POST

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

Replace Object

PUT

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

```
PUT /axapi/v3/sys-ut/template/a/udp
Payload:
{
    "udp": {
        "src-port-range": [
            {
                "src-port-start": 2,
                "src-port-end": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/sys-ut/template/{name}/udp

udp attributes

```
DELETE /axapi/v3/sys-ut/template/a/udp
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

udp attributes

checksum

Description 'valid': valid; 'invalid': invalid;

Type: string

Supported Values: valid, invalid

Default: valid

dest-port

Description Dest port

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

dest-port-value

Description Dest port value

Type: number

Range: 1-65535

length

Description Total packet length starting at UDP header

Type: number

Range: 64-9000

nat-pool

Description Nat pool port

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

src-port-range

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

src-port-range

Specification	Value
Type	*list*
Block object keys	

src-port-end

Description Src port end value

Type: number

src-port-start

Description Source port value

Type: number

2.128 syslog

Objects:

2.128.1 syslog

System Log Info

syslog Specification

Parameter	Value
Type	*operational*
Element Name	syslog
Element URI	/axapi/v3/syslog
Element Attributes	syslog_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/syslog/oper
Schema	`syslog schema`

Operations Allowed:

EXECUTE Object

POST

/axapi/v3/syslog

syslog attributes

syslog attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.128.2 syslog oper

Operational Status for the object syslog

syslog Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	syslog
Element URI	/axapi/v3/syslog/oper
Element Attributes	syslog_attributes
Partition Visibility	None
Schema	`syslog schema`

Operations Allowed:

Create Object

POST

/axapi/v3/syslog/oper

syslog attributes

Get Object

GET

/axapi/v3/syslog/oper

syslog attributes

Modify Object

POST

/axapi/v3/syslog/oper

syslog attributes

Replace Object

PUT

/axapi/v3/syslog/oper

syslog attributes

Delete Object

DELETE

/axapi/v3/syslog/oper

syslog attributes

syslog attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

next-msg-idx

Description

Type: number

system-log

Type: List

oper_system-log

Specification	Value
Type	*list*
Block object keys	

add-slot-info

Description

Type: number

log-data

Description

Type: string

log-data-search

Description

Type: string

2.129 system

Objects:

2.129.1 system

Configure System Parameters

system Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system
Element URI	/axapi/v3/system
Element Attributes	system_attributes
Partition Visibility	shared
Schema	`system schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system

system attributes

```
POST /axapi/v3/system
Payload:
{
    "system": {
        "anomaly-log-rate-limit": 1
    }
}
```

Get Object

GET

/axapi/v3/system

system attributes

Modify Object

POST

/axapi/v3/system

system attributes

Replace Object

PUT

/axapi/v3/system

system attributes

Delete Object

DELETE

/axapi/v3/system

system attributes

system attributes

add-cpu-core

Description: add-cpu-core is a **JSON Block**. Please see below for *add-cpu-core*

Type: Object

Reference Object: */axapi/v3/system/add-cpu-core*

add-port

Description: add-port is a **JSON Block**. Please see below for *add-port*

Type: Object

Reference Object: */axapi/v3/system/add-port*

all-vlan-limit

Description: all-vlan-limit is a **JSON Block**. Please see below for *all-vlan-limit*

Type: Object

Reference Object: */axapi/v3/system/all-vlan-limit*

anomaly-log

Description log system anomalies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

anomaly-log-rate-limit

Description Anomaly log rate-limit per second, default 32

Type: number

Range: 1-100

app-performance

Description: app-performance is a **JSON Block**. Please see below for *app-performance*

Type: Object

Reference Object: */axapi/v3/system/app-performance*

apps-global

Description: apps-global is a **JSON Block**. Please see below for *apps-global*

Type: Object

Reference Object: */axapi/v3/system/apps-global*

asic-debug-dump

Description: asic-debug-dump is a **JSON Block**. Please see below for *asic-debug-dump*

Type: Object

Reference Object: */axapi/v3/system/asic-debug-dump*

asic-mmu-fail-safe

Description: asic-mmu-fail-safe is a **JSON Block**. Please see below for *asic-mmu-fail-safe*

Type: Object

Reference Object: */axapi/v3/system/asic-mmu-fail-safe*

attack-log

Description log attack anomalies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bandwidth

Description: bandwidth is a **JSON Block**. Please see below for *bandwidth*

Type: Object

Reference Object: */axapi/v3/system/bandwidth*

bfd

Description: bfd is a **JSON Block**. Please see below for *bfd*

Type: Object

Reference Object: */axapi/v3/system/bfd*

cl-threat-category

Description: cl-threat-category is a **JSON Block**. Please see below for *cl-threat-category*

Type: Object

Reference Object: */axapi/v3/system/cl-threat-category*

class-list-hitcount-enable

Description Enable class list hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cli-monitor-interval

Description: cli-monitor-interval is a **JSON Block**. Please see below for *cli-monitor-interval*

Type: Object

Reference Object: */axapi/v3/system/cli-monitor-interval*

cm-update-file-name-ref

Description: cm-update-file-name-ref is a **JSON Block**. Please see below for *cm-update-file-name-ref*

Type: Object

Reference Object: */axapi/v3/system/cm-update-file-name-ref*

config-mgmt

Description: config-mgmt is a **JSON Block**. Please see below for *config-mgmt*

Type: Object

Reference Object: */axapi/v3/system/config-mgmt*

control-cpu

Description: control-cpu is a **JSON Block**. Please see below for *control-cpu*

Type: Object

Reference Object: */axapi/v3/system/control-cpu*

core

Description: core is a **JSON Block**. Please see below for *core*

Type: Object

Reference Object: */axapi/v3/system/core*

cosq-show

Description: cosq-show is a **JSON Block**. Please see below for *cosq-show*

Type: Object

Reference Object: */axapi/v3/system/cosq-show*

cosq-stats

Description: cosq-stats is a **JSON Block**. Please see below for *cosq-stats*

Type: Object

Reference Object: */axapi/v3/system/cosq-stats*

counter-lib-accounting

Description: counter-lib-accounting is a **JSON Block**. Please see below for *counter-lib-accounting*

Type: Object

Reference Object: */axapi/v3/system/counter-lib-accounting*

cpu-hyper-thread

Description: cpu-hyper-thread is a **JSON Block**. Please see below for *cpu-hyper-thread*

Type: Object

Reference Object: */axapi/v3/system/cpu-hyper-thread*

cpu-list

Description: cpu-list is a **JSON Block**. Please see below for *cpu-list*

Type: Object

Reference Object: */axapi/v3/system/cpu-list*

cpu-load-sharing

Description: cpu-load-sharing is a **JSON Block**. Please see below for *cpu-load-sharing*

Type: Object

Reference Object: */axapi/v3/system/cpu-load-sharing*

cpu-map

Description: cpu-map is a **JSON Block**. Please see below for *cpu-map*

Type: Object

Reference Object: */axapi/v3/system/cpu-map*

cpu-packet-prio-support

Description: cpu-packet-prio-support is a **JSON Block**. Please see below for *cpu-packet-prio-support*

Type: Object

Reference Object: */axapi/v3/system/cpu-packet-prio-support*

data-cpu

Description: data-cpu is a **JSON Block**. Please see below for *data-cpu*

Type: Object

Reference Object: */axapi/v3/system/data-cpu*

ddos-attack

Description System DDoS Attack

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ddos-log

Description log DDoS attack anomalies

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

default-mtu

Description Set all interfaces default mtu (Interface MTU, default 1 (System jumbo needs to be enabled))

Type: number

del-port

Description: del-port is a **JSON Block**. Please see below for *del-port*

Type: Object

Reference Object: */axapi/v3/system/del-port*

delete-cpu-core

Description: delete-cpu-core is a **JSON Block**. Please see below for *delete-cpu-core*

Type: Object

Reference Object: */axapi/v3/system/delete-cpu-core*

dns

Description: dns is a **JSON Block**. Please see below for *dns*

Type: Object

Reference Object: */axapi/v3/system/dns*

dns-cache

Description: dns-cache is a **JSON Block**. Please see below for *dns-cache*

Type: Object

Reference Object: */axapi/v3/system/dns-cache*

domain-list-hitcount-enable

Description Enable class list hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

domain-list-info

Description: domain-list-info is a **JSON Block**. Please see below for *domain-list-info*

Type: Object

Reference Object: */axapi/v3/system/domain-list-info*

domain-list-settings

Description: domain-list-settings is a **JSON Block**. Please see below for *domain-list-settings*

Type: Object

Reference Object: */axapi/v3/system/domain-list-settings*

dpdk-stats

Description: dpdk-stats is a **JSON Block**. Please see below for *dpdk-stats*

Type: Object

Reference Object: */axapi/v3/system/dpdk-stats*

drop-linux-closed-port-syn

Description 'enable': enable (default); 'disable': disable;

Type: string

Supported Values: enable, disable

Default: enable

dynamic-service-dns-socket-pool

Description Enable socket pool for dynamic-service DNS

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-password

Description: enable-password is a **JSON Block**. Please see below for *enable-password*

Type: Object

Reference Object: */axapi/v3/system/enable-password*

environment

Description: environment is a **JSON Block**. Please see below for *environment*

Type: Object

Reference Object: */axapi/v3/system/environment*

even-port-hash-enable

Description Enable even src/dest port number hash

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ext-only-logging

Description: ext-only-logging is a **JSON Block**. Please see below for *ext-only-logging*

Type: Object

Reference Object: */axapi/v3/system/ext-only-logging*

fpga-core-crc

Description: fpga-core-crc is a **JSON Block**. Please see below for *fpga-core-crc*

Type: Object

Reference Object: */axapi/v3/system/fpga-core-crc*

fpga-drop

Description: fpga-drop is a **JSON Block**. Please see below for *fpga-drop*

Type: Object

Reference Object: */axapi/v3/system/fpga-drop*

fw

Description: fw is a **JSON Block**. Please see below for *fw*

Type: Object

Reference Object: */axapi/v3/system/fw*

geo-db-hitcount-enable

Description Enable Geolocation database hit count

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location

Description: geo-location is a **JSON Block**. Please see below for *geo-location*

Type: Object

Reference Object: */axapi/v3/system/geo-location*

geoloc

Description: geoloc is a **JSON Block**. Please see below for *geoloc*

Type: Object

Reference Object: */axapi/v3/system/geoloc*

geoloc-list-list

Type: List

Reference Object: */axapi/v3/system/geoloc-list/{name}*

geoloc-name-helper

Description: geoloc-name-helper is a **JSON Block**. Please see below for *geoloc-name-helper*

Type: Object

Reference Object: */axapi/v3/system/geoloc-name-helper*

geolocation-file

Description: geolocation-file is a **JSON Block**. Please see below for *geolocation-file*

Type: Object

Reference Object: */axapi/v3/system/geolocation-file*

glid

Description: glid is a **JSON Block**. Please see below for *glid*

Type: Object

Reference Object: */axapi/v3/system/glid*

guest-file

Description: guest-file is a **JSON Block**. Please see below for *guest-file*

Type: Object

Reference Object: */axapi/v3/system/guest-file*

gui-image-list

Description: gui-image-list is a **JSON Block**. Please see below for *gui-image-list*

Type: Object

Reference Object: */axapi/v3/system/gui-image-list*

hardware

Description: hardware is a **JSON Block**. Please see below for *hardware*

Type: Object

Reference Object: */axapi/v3/system/hardware*

hardware-accelerate

Description: hardware-accelerate is a **JSON Block**. Please see below for *hardware-accelerate*

Type: Object

Reference Object: */axapi/v3/system/hardware-accelerate*

health-check-list

Type: List

Reference Object: */axapi/v3/system/health-check/{l2hm-hc-name}*

high-memory-l4-session

Description: high-memory-l4-session is a **JSON Block**. Please see below for *high-memory-l4-session*

Type: Object

Reference Object: */axapi/v3/system/high-memory-l4-session*

hrxq-status

Description: hrxq-status is a **JSON Block**. Please see below for *hrxq-status*

Type: Object

Reference Object: */axapi/v3/system/hrxq-status*

hw-blocking-enable

Description Enable system hardware blocking (default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

icmp

Description: icmp is a **JSON Block**. Please see below for *icmp*

Type: Object

Reference Object: */axapi/v3/system/icmp*

icmp-rate

Description: icmp-rate is a **JSON Block**. Please see below for *icmp-rate*

Type: Object

Reference Object: */axapi/v3/system/icmp-rate*

icmp6

Description: icmp6 is a **JSON Block**. Please see below for *icmp6*

Type: Object

Reference Object: */axapi/v3/system/icmp6*

inuse-cpu-list

Description: inuse-cpu-list is a **JSON Block**. Please see below for *inuse-cpu-list*

Type: Object

Reference Object: */axapi/v3/system/inuse-cpu-list*

inuse-port-list

Description: inuse-port-list is a **JSON Block**. Please see below for *inuse-port-list*

Type: Object

Reference Object: */axapi/v3/system/inuse-port-list*

io-cpu

Description: io-cpu is a **JSON Block**. Please see below for *io-cpu*

Type: Object

Reference Object: */axapi/v3/system/io-cpu*

ip-dns-cache

Description: ip-dns-cache is a **JSON Block**. Please see below for *ip-dns-cache*

Type: Object

Reference Object: */axapi/v3/system/ip-dns-cache*

ip-stats

Description: ip-stats is a **JSON Block**. Please see below for *ip-stats*

Type: Object

Reference Object: */axapi/v3/system/ip-stats*

ip-threat-list

Description: ip-threat-list is a **JSON Block**. Please see below for *ip-threat-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list*

ip6-stats

Description: ip6-stats is a **JSON Block**. Please see below for *ip6-stats*

Type: Object

Reference Object: */axapi/v3/system/ip6-stats*

ipmi

Description: ipmi is a **JSON Block**. Please see below for *ipmi*

Type: Object

Reference Object: */axapi/v3/system/ipmi*

ipmi-service

Description: ipmi-service is a **JSON Block**. Please see below for *ipmi-service*

Type: Object

Reference Object: */axapi/v3/system/ipmi-service*

ipsec

Description: ipsec is a **JSON Block**. Please see below for *ipsec*

Type: Object

Reference Object: */axapi/v3/system/ipsec*

ipv6-prefix-length

Description Length of IPv6 prefix used to determine the user-group and the PU, by default 128

Type: number

Range: 16-128

Default: 128

job-offload

Description: job-offload is a **JSON Block**. Please see below for *job-offload*

Type: Object

Reference Object: */axapi/v3/system/job-offload*

link-capability

Description: link-capability is a **JSON Block**. Please see below for *link-capability*

Type: Object

Reference Object: */axapi/v3/system/link-capability*

link-monitor

Description: link-monitor is a **JSON Block**. Please see below for *link-monitor*

Type: Object

Reference Object: */axapi/v3/system/link-monitor*

lro

Description: lro is a **JSON Block**. Please see below for *lro*

Type: Object

Reference Object: */axapi/v3/system/lro*

management-interface-mode

Description: management-interface-mode is a **JSON Block**. Please see below for *management-interface-mode*

Type: Object

Reference Object: */axapi/v3/system/management-interface-mode*

memory

Description: memory is a **JSON Block**. Please see below for *memory*

Type: Object

Reference Object: */axapi/v3/system/memory*

memory-block-debug

Description: memory-block-debug is a **JSON Block**. Please see below for *memory-block-debug*

Type: Object

Reference Object: */axapi/v3/system/memory-block-debug*

mfa-auth

Description: mfa-auth is a **JSON Block**. Please see below for *mfa-auth*

Type: Object

Reference Object: */axapi/v3/system/mfa-auth*

mfa-cert-store

Description: mfa-cert-store is a **JSON Block**. Please see below for *mfa-cert-store*

Type: Object

Reference Object: */axapi/v3/system/mfa-cert-store*

mfa-management

Description: mfa-management is a **JSON Block**. Please see below for *mfa-management*

Type: Object

Reference Object: */axapi/v3/system/mfa-management*

mfa-validation-type

Description: mfa-validation-type is a **JSON Block**. Please see below for *mfa-validation-type*

Type: Object

Reference Object: */axapi/v3/system/mfa-validation-type*

mgmt-port

Description: mgmt-port is a **JSON Block**. Please see below for *mgmt-port*

Type: Object

Reference Object: */axapi/v3/system/mgmt-port*

modify-port

Description: modify-port is a **JSON Block**. Please see below for *modify-port*

Type: Object

Reference Object: */axapi/v3/system/modify-port*

module-ctrl-cpu

Description 'high': high cpu usage; 'low': low cpu usage; 'medium': medium cpu usage;

Type: string

Supported Values: high, low, medium

mon-template

Description: mon-template is a **JSON Block**. Please see below for *mon-template*

Type: Object

Reference Object: */axapi/v3/system/mon-template*

multi-queue-support

Description: multi-queue-support is a **JSON Block**. Please see below for *multi-queue-support*

Type: Object

Reference Object: */axapi/v3/system/multi-queue-support*

ndisc-ra

Description: ndisc-ra is a **JSON Block**. Please see below for *ndisc-ra*

Type: Object

Reference Object: */axapi/v3/system/ndisc-ra*

netvsc-monitor

Description: netvsc-monitor is a **JSON Block**. Please see below for *netvsc-monitor*

Type: Object

Reference Object: */axapi/v3/system/netvsc-monitor*

nsm-a10lb

Description: nsm-a10lb is a **JSON Block**. Please see below for *nsm-a10lb*

Type: Object

Reference Object: */axapi/v3/system/nsm-a10lb*

password-policy

Description: password-policy is a **JSON Block**. Please see below for *password-policy*

Type: Object

Reference Object: */axapi/v3/system/password-policy*

path-list

Type: List

Reference Object: */axapi/v3/system/path/{l2hm-path-name}*

pbslb

Description: pbslb is a **JSON Block**. Please see below for *pbslb*

Type: Object

Reference Object: */axapi/v3/system/pbslb*

per-vlan-limit

Description: per-vlan-limit is a **JSON Block**. Please see below for *per-vlan-limit*

Type: Object

Reference Object: */axapi/v3/system/per-vlan-limit*

platformtype

Description: platformtype is a **JSON Block**. Please see below for *platformtype*

Type: Object

Reference Object: */axapi/v3/system/platformtype*

port-count

Description: port-count is a **JSON Block**. Please see below for *port-count*

Type: Object

Reference Object: */axapi/v3/system/port-count*

port-info

Description: port-info is a **JSON Block**. Please see below for *port-info*

Type: Object

Reference Object: */axapi/v3/system/port-info*

port-list

Description: port-list is a **JSON Block**. Please see below for *port-list*

Type: Object

Reference Object: */axapi/v3/system/port-list*

ports

Description: ports is a **JSON Block**. Please see below for *ports*

Type: Object

Reference Object: */axapi/v3/system/ports*

power-on-self-test

Description: power-on-self-test is a **JSON Block**. Please see below for *power-on-self-test*

Type: Object

Reference Object: */axapi/v3/system/power-on-self-test*

probe-network-devices

Type: Object

Reference Object: */axapi/v3/system/probe-network-devices*

promiscuous-mode

Description Run in promiscous mode settings

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

psu-info

Description: psu-info is a **JSON Block**. Please see below for *psu-info*

Type: Object

Reference Object: */axapi/v3/system/psu-info*

q-in-q

Description: q-in-q is a **JSON Block**. Please see below for *q-in-q*

Type: Object

Reference Object: */axapi/v3/system/q-in-q*

queuing-buffer

Description: queuing-buffer is a **JSON Block**. Please see below for *queuing-buffer*

Type: Object

Reference Object: */axapi/v3/system/queuing-buffer*

radius

Description: radius is a **JSON Block**. Please see below for *radius*

Type: Object

Reference Object: */axapi/v3/system/radius*

reboot

Description: reboot is a **JSON Block**. Please see below for *reboot*

Type: Object

Reference Object: */axapi/v3/system/reboot*

resource-accounting

Description: resource-accounting is a **JSON Block**. Please see below for *resource-accounting*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting*

resource-usage

Description: resource-usage is a **JSON Block**. Please see below for *resource-usage*

Type: Object

Reference Object: */axapi/v3/system/resource-usage*

rfc-ipfix-ie-spec

Description 'enable': Use RFC-defined IPFIX information element lengths; 'disable': Use non-standard IPFIX information element lengths;

Type: string

Supported Values: enable, disable

Default: disable

session

Description: session is a **JSON Block**. Please see below for *session*

Type: Object

Reference Object: */axapi/v3/system/session*

session-reclaim-limit

Description: session-reclaim-limit is a **JSON Block**. Please see below for *session-reclaim-limit*

Type: Object

Reference Object: */axapi/v3/system/session-reclaim-limit*

set-rxtx-desc-size

Description: set-rxtx-desc-size is a **JSON Block**. Please see below for *set-rxtx-desc-size*

Type: Object

Reference Object: */axapi/v3/system/set-rxtx-desc-size*

set-rxtx-queue

Description: set-rxtx-queue is a **JSON Block**. Please see below for *set-rxtx-queue*

Type: Object

Reference Object: */axapi/v3/system/set-rxtx-queue*

set-tcp-syn-per-sec

Description: set-tcp-syn-per-sec is a **JSON Block**. Please see below for *set-tcp-syn-per-sec*

Type: Object

Reference Object: */axapi/v3/system/set-tcp-syn-per-sec*

shared-poll-mode

Description: shared-poll-mode is a **JSON Block**. Please see below for *shared-poll-mode*

Type: Object

Reference Object: */axapi/v3/system/shared-poll-mode*

shell-privileges

Description: shell-privileges is a **JSON Block**. Please see below for *shell-privileges*

Type: Object

Reference Object: */axapi/v3/system/shell-privileges*

shm-logging

Description: shm-logging is a **JSON Block**. Please see below for *shm-logging*

Type: Object

Reference Object: */axapi/v3/system/shm-logging*

shutdown

Description: shutdown is a **JSON Block**. Please see below for *shutdown*

Type: Object

Reference Object: */axapi/v3/system/shutdown*

software-tcam

Description: software-tcam is a **JSON Block**. Please see below for *software-tcam*

Type: Object

Reference Object: */axapi/v3/system/software-tcam*

spe-profile

Description: spe-profile is a **JSON Block**. Please see below for *spe-profile*

Type: Object

Reference Object: */axapi/v3/system/spe-profile*

spe-status

Description: spe-status is a **JSON Block**. Please see below for *spe-status*

Type: Object

Reference Object: */axapi/v3/system/spe-status*

src-ip-hash-enable

Description Enable source ip hash

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-req-q

Description: ssl-req-q is a **JSON Block**. Please see below for *ssl-req-q*

Type: Object

Reference Object: */axapi/v3/system/ssl-req-q*

ssl-scv

Description: ssl-scv is a **JSON Block**. Please see below for *ssl-scv*

Type: Object

Reference Object: */axapi/v3/system/ssl-scv*

ssl-scv-verify-crl-sign

Description: ssl-scv-verify-crl-sign is a **JSON Block**. Please see below for *ssl-scv-verify-crl-sign*

Type: Object

Reference Object: */axapi/v3/system/ssl-scv-verify-crl-sign*

ssl-scv-verify-host

Description: ssl-scv-verify-host is a **JSON Block**. Please see below for *ssl-scv-verify-host*

Type: Object

Reference Object: */axapi/v3/system/ssl-scv-verify-host*

ssl-set-compatible-cipher

Description: ssl-set-compatible-cipher is a **JSON Block**. Please see below for *ssl-set-compatible-cipher*

Type: Object

Reference Object: */axapi/v3/system/ssl-set-compatible-cipher*

ssl-status

Description: ssl-status is a **JSON Block**. Please see below for *ssl-status*

Type: Object

Reference Object: */axapi/v3/system/ssl-status*

syslog-time-msec

Description: syslog-time-msec is a **JSON Block**. Please see below for *syslog-time-msec*

Type: Object

Reference Object: */axapi/v3/system/syslog-time-msec*

system-chassis-port-split-enable

Description Enable port split for the chassis

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

table-integrity

Description: table-integrity is a **JSON Block**. Please see below for *table-integrity*

Type: Object

Reference Object: */axapi/v3/system/table-integrity*

tcp

Description: tcp is a **JSON Block**. Please see below for *tcp*

Type: Object

Reference Object: */axapi/v3/system/tcp*

tcp-stats

Description: tcp-stats is a **JSON Block**. Please see below for *tcp-stats*

Type: Object

Reference Object: */axapi/v3/system/tcp-stats*

tcp-syn-per-sec

Description: tcp-syn-per-sec is a **JSON Block**. Please see below for *tcp-syn-per-sec*

Type: Object

Reference Object: */axapi/v3/system/tcp-syn-per-sec*

telemetry-log

Description: telemetry-log is a **JSON Block**. Please see below for *telemetry-log*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log*

template

Description: template is a **JSON Block**. Please see below for *template*

Type: Object

Reference Object: */axapi/v3/system/template*

template-bind

Description: template-bind is a **JSON Block**. Please see below for *template-bind*

Type: Object

Reference Object: */axapi/v3/system/template-bind*

throughput

Description: throughput is a **JSON Block**. Please see below for *throughput*

Type: Object

Reference Object: */axapi/v3/system/throughput*

timeout-value

Description: timeout-value is a **JSON Block**. Please see below for *timeout-value*

Type: Object

Reference Object: */axapi/v3/system/timeout-value*

tls-1-3-mgmt

Description: tls-1-3-mgmt is a **JSON Block**. Please see below for *tls-1-3-mgmt*

Type: Object

Reference Object: */axapi/v3/system/tls-1-3-mgmt*

trunk

Description: trunk is a **JSON Block**. Please see below for *trunk*

Type: Object

Reference Object: */axapi/v3/system/trunk*

trunk-hw-hash

Description: trunk-hw-hash is a **JSON Block**. Please see below for *trunk-hw-hash*

Type: Object

Reference Object: */axapi/v3/system/trunk-hw-hash*

trunk-xaui-hw-hash

Description: trunk-xaui-hw-hash is a **JSON Block**. Please see below for *trunk-xaui-hw-hash*

Type: Object

Reference Object: */axapi/v3/system/trunk-xaui-hw-hash*

tso

Description: tso is a **JSON Block**. Please see below for *tso*

Type: Object

Reference Object: */axapi/v3/system/tso*

udp

Description: udp is a **JSON Block**. Please see below for *udp*

Type: Object

Reference Object: */axapi/v3/system/udp*

upgrade-status

Description: upgrade-status is a **JSON Block**. Please see below for *upgrade-status*

Type: Object

Reference Object: */axapi/v3/system/upgrade-status*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-mac-scheme

Description: ve-mac-scheme is a **JSON Block**. Please see below for *ve-mac-scheme*

Type: Object

Reference Object: */axapi/v3/system/ve-mac-scheme*

xaui-dlb-mode

Description: xaui-dlb-mode is a **JSON Block**. Please see below for *xaui-dlb-mode*

Type: Object

Reference Object: */axapi/v3/system/xaui-dlb-mode*

geo-location

Specification	Value
Type	*object*

entry-list

Type: List

Reference Object: */axapi/v3/system/geo-location/entry/{geo-locn-obj-name}*

geo-location-geolite2-asn

Description Load built-in Maxmind GeoLite2-ASN database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-geolite2-city

Description Load built-in Maxmind GeoLite2-City database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-geolite2-country

Description Load built-in Maxmind GeoLite2-Country database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-iana

Description Load built-in IANA Database

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

geo-location-iana-system

Description Load built-in IANA Database

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geolite2-asn-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geolite2-city-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geolite2-country-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-load-file-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location_entry-list

Specification	Value
Type	*list*
Block object keys	

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-location_entry-list_geo-locn-multiple-addresses

Specification	Value
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

geo-location_geoloc-load-file-list

Specification	Value
Type	*list*
Block object keys	

geo-location-load-file-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-load-filename

Description Specify file to be loaded

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

geo-location-load-temp-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-name

Description CSV template to load this file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/csv*

mgmt-port

Specification	Value
Type	*object*

mac-address

Description mac-address to be configured as mgmt port

Type: string

Format: mac-address

Maximum Length: 14 characters

Maximum Length: 14 characters

pci-address

Description pci-address to be configured as mgmt port

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

geolocation-file

Specification	Value
Type	*object*

error-info

Description: error-info is a **JSON Block**. Please see below for *geolocation-file_error-info*

Type: Object

Reference Object: */axapi/v3/system/geolocation-file/error-info*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geolocation-file_error-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

path-list

Specification	Value
Type	*list*
Block object keys	

ifpair-eth-end

Description Ethernet port

Type: number

Format: interface

ifpair-eth-start

Description Ethernet port (Interface number)

Type: number

Format: interface

ifpair-trunk-end

Description Trunk Group

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

ifpair-trunk-start

Description Trunk groups

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

l2hm-attach

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

l2hm-path-name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: hc-obj

l2hm-setup-test-api

Description Test-API Interface (Ethernet Interface)

Type: number

Format: interface

l2hm-vlan

Description VLAN id

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ndisc-ra

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ndisc-ra_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'good_recv': Good Router Solicitations (R.S.) Received; 'periodic_sent': Periodic Router Advertisements (R.A.) Sent; 'rate_limit': R.S. Rate Limited; 'bad_hop_limit': R.S. Bad Hop Limit; 'truncated': R.S. Truncated; 'bad_icmpv6_csum': R.S. Bad ICMPv6 Checksum; 'bad_icmpv6_code': R.S. Unknown ICMPv6 Code; 'bad_icmpv6_option': R.S. Bad ICMPv6 Option; 'l2_addr_and_unspec': R.S. Src Link-Layer Option and Unspecified Address; 'no_free_buffers': No Free Buffers to send R.A.;

Type: string

Supported Values: all, good_recv, periodic_sent, rate_limit, bad_hop_limit, truncated, bad_icmpv6_csum, bad_icmpv6_code, bad_icmpv6_option, l2_addr_and_unspec, no_free_buffers

tcp

Specification	Value
Type	*object*

rate-limit-reset-unknown-conn

Description: rate-limit-reset-unknown-conn is a **JSON Block**. Please see below for *tcp_rate-limit-reset-unknown-conn*

Type: Object

Reference Object: */axapi/v3/system/tcp/rate-limit-reset-unknown-conn*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'activeopens': Active open conns; 'passiveopens': Passive open conns; 'attemptfails': Connect attemp failures; 'estabresets': Resets rcvd on EST conn; 'insegs': Total in TCP packets; 'outsegs': Total out TCP packets; 'retranssegs': Retransmited packets; 'inerrs': Input errors; 'outrsts': Reset Sent; 'sock_alloc': Sockets allocated; 'orphan_count': Orphan sockets; 'mem_alloc': Memory alloc; 'recv_mem': Total rx buffer; 'send_mem': Total tx buffer; 'currestab': Currently EST conns; 'currsyssnt': TCP in SYN-SNT state; 'currsynrcv': TCP in SYN-RCV state; 'currfinw1': TCP in FIN-W1 state; 'currfinw2': TCP FIN-W2 state; 'currtimew': TCP TimeW state; 'currclose': TCP in Close state; 'currclsw': TCP in CloseW state; 'currlack': TCP in LastACK state; 'currlstn': TCP in Listen state; 'currclsg': TCP in Closing state; 'pawsactiverejected': TCP paw active rej; 'syn_rcv_rstack': Rcv RST|ACK on SYN; 'syn_rcv_rst': Rcv RST on SYN; 'syn_rcv_ack': Rcv ACK on SYN; 'ax_rexmit_syn': TCP rexmit SYN; 'tcpabortontimeout': TCP abort on timeout; 'noroute': TCPIP out noroute; 'exceedmss': MSS exceeded pkt dropped; 'tfo_conns': TFO Total Connections; 'tfo_actives': TFO Current Actives; 'tfo_denied': TFO Denied;

Type: string

Supported Values: all, activeopens, passiveopens, attemptfails, estabresets, insegs, outsegs, retranssegs, inerrs, outrsts, sock_alloc, orphan_count, mem_alloc, recv_mem, send_mem, currestab, currsyssnt, currsynrcv, currfinw1, currfinw2, currtimew, currclose, currclsw, currlack, currlstn, currclsg, pawsactiverejected, syn_rcv_rstack, syn_rcv_rst, syn_rcv_ack,

ax_rexmit_syn, tcpabortontimeout, noroute, exceedmss, tfo_conns, tfo_actives, tfo_denied, syn_rcv_rexmit, sock_init, invalid_drop, delayed_free

tcp_rate-limit-reset-unknown-conn

Specification	Value
Type	*object*

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bandwidth

Specification	Value
Type	*object*

critical-threshold

Description Adjust bandwidth critical threshold

Type: number

Range: 81-99

Default: 95

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

warning-threshold

Description Adjust bandwidth warning threshold

Type: number

Range: 50-80

Default: 75

bandwidth_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'input-bytes-per-sec': In Bytes per second; 'output-bytes-per-sec': Out Bytes per second;

Type: string

Supported Values: all, input-bytes-per-sec, output-bytes-per-sec, ppsl_drop_egr, ppsl_drop_ing, ppsl_ignore_limit, licexpire_drop, bwl_drop

session

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_l4_conn': Total L4 Count; 'conn_counter': Conn Count; 'conn_freed_counter': Conn Freed; 'total_l4_packet_count': Total L4 Packet Count; 'total_l7_packet_count': Total L7 Packet Count; 'total_l4_conn_proxy': Total L4 Conn Proxy Count; 'total_l7_conn': Total L7 Conn; 'total_tcp_conn': Total TCP Conn; 'curr_free_conn': Curr Free Conn; 'tcp_est_counter': TCP Established; 'tcp_half_open_counter': TCP Half Open; 'tcp_half_close_counter': TCP Half Closed; 'udp_counter': UDP Count; 'ip_counter': IP Count; 'other_counter': Non TCP/UDP IP sessions; 'reverse_nat_tcp_counter': Reverse NAT TCP; 'reverse_nat_udp_counter': Reverse NAT UDP; 'tcp_syn_half_open_counter': TCP SYN Half Open; 'conn_smp_alloc_counter': Conn SMP Alloc; 'conn_smp_free_counter': Conn SMP Free; 'conn_smp_aged_counter': Conn SMP Aged; 'ssl_count_curr': Curr SSL Count; 'ssl_count_total': Total SSL Count; 'server_ssl_count_curr': Current SSL Server Count; 'server_ssl_count_total': Total SSL Server Count; 'client_ssl_reuse_total': Total SSL Client Reuse; 'server_ssl_reuse_total': Total SSL Server Reuse; 'ssl_failed_total': Total SSL Failures; 'ssl_failed_ca_verification': SSL Cert Auth Verification Errors; 'ssl_server_cert_error': SSL Server Cert Errors; 'ssl_client_cert_auth_fail': SSL Client Cert Auth Failures; 'total_ip_nat_conn': Total IP Nat Conn; 'total_l2l3_conn': Totl L2/L3 Connections; 'client_ssl_ctx_malloc_failure': Client SSL Ctx malloc Failures; 'conn_type_0_available': Conn Type 0 Available; 'conn_type_1_available': Conn Type 1 Available; 'conn_type_2_available': Conn Type 2 Available; 'conn_type_3_available': Conn Type 3 Available; 'conn_type_4_available': Conn Type 4 Available; 'conn_smp_type_0_available': Conn SMP Type 0 Available; 'conn_smp_type_1_available': Conn SMP Type 1 Available; 'conn_smp_type_2_available': Conn SMP Type 2 Available; 'conn_smp_type_3_available': Conn SMP Type 3 Available; 'conn_smp_type_4_available': Conn SMP Type 4 Available; 'sctp-half-open-counter': SCTP Half Open; 'sctp-est-counter': SCTP Established; 'nonssl_bypass': NON SSL Bypass Count; 'ssl_failsafe_total': Total SSL Failsafe Count; 'ssl_forward_proxy_failed_handshake_total': Total SSL Forward Proxy Failed Handshake Count; 'ssl_forward_proxy_failed_tcp_total': Total SSL Forward Proxy Failed TCP Count; 'ssl_forward_proxy_failed_crypto_total': Total SSL Forward Proxy Failed Crypto Count; 'ssl_forward_proxy_failed_cert_verify_total': Total SSL Forward Proxy Failed Certificate Verification Count; 'ssl_forward_proxy_invalid_ocsp_stapling_total': Total SSL Forward Proxy Invalid OCSP Stapling Count; 'ssl_forward_proxy_revoked_ocsp_total': Total SSL Forward Proxy Revoked OCSP Response Count; 'ssl_forward_proxy_failed_cert_signing_total': Total SSL Forward Proxy Failed Certificate Signing Count; 'ssl_forward_proxy_failed_ssl_version_total': Total SSL Forward Proxy Unsupported version Count; 'ssl_forward_proxy_sni_bypass_total': Total SSL Forward Proxy SNI Bypass Count; 'ssl_forward_proxy_client_auth_bypass_total': Total SSL Forward Proxy Client Auth Bypass Count; 'conn_app_smp_alloc_counter': Conn APP SMP Alloc; 'diameter_conn_counter': Diameter Conn Count; 'diameter_conn_freed_counter': Diameter Conn Freed; 'debug_tcp_counter': Hidden TCP sessions for CGNv6 Stateless Technologies; 'debug_udp_counter': Hidden UDP sessions for CGNv6 Stateless Technologies; 'total_fw_conn': Total Firewall Conn; 'total_local_conn': Total Local Conn; 'total_curr_conn': Total Curr Conn; 'client_ssl_fatal_alert': client ssl fatal alert; 'client_ssl_fin_rst': client ssl fin rst; 'fp_session_fin_rst': FP Session FIN/RST; 'server_ssl_fatal_alert': server ssl fatal alert; 'server_ssl_fin_rst': server ssl fin rst; 'client_template_int_err': client tem-

plate internal error; 'client_template_unknown_err': client template unknown error; 'server_template_int_err': server template int error; 'server_template_unknown_err': server template unknown error; 'total_debug_conn': Total Debug Conn; 'ssl_forward_proxy_failed_aflex_total': Total SSL Forward Proxy AFLEX Count; 'ssl_forward_proxy_cert_subject_bypass_total': Total SSL Forward Proxy Certificate Subject Bypass Count; 'ssl_forward_proxy_cert_issuer_bypass_total': Total SSL Forward Proxy Certificate Issuer Bypass Count; 'ssl_forward_proxy_cert_san_bypass_total': Total SSL Forward Proxy Certificate SAN Bypass Count; 'ssl_forward_proxy_no_sni_bypass_total': Total SSL Forward Proxy No SNI Bypass Count; 'ssl_forward_proxy_no_sni_reset_total': Total SSL Forward Proxy No SNI reset Count; 'ssl_forward_proxy_username_bypass_total': Total SSL Forward Proxy Username Bypass Count; 'ssl_forward_proxy_ad_grpup_bypass_total': Total SSL Forward Proxy AD-Group Bypass Count; 'diameter_concurrent_user_sessions_counter': Diameter Concurrent User-Sessions; 'client_ssl_session_ticket_reuse_total': Total SSL Client Session Ticket Reuse; 'server_ssl_session_ticket_reuse_total': Total SSL Server Session Ticket Reuse; 'total_clientside_early_data_connections': Total clientside early data connections; 'total_serverside_early_data_connections': Total serverside early data connections; 'total_clientside_failed_early_data-connections': Total clientside failed early data connections; 'total_serverside_failed_early_data-connections': Total serverside failed early data connections; 'ssl_forward_proxy_esni_bypass_total': Total SSL Forward Proxy ESNI Bypass Count; 'ssl_forward_proxy_esni_reset_total': Total SSL Forward Proxy ESNI Drop Count; 'total_logging_conn': Total Logging Conn; 'gtp_c_est_counter': GTP-C Established; 'gtp_c_half_open_counter': GTP-C Half Open; 'gtp_u_counter': GTP-U Count; 'gtp_c_echo_counter': GTP-C Echo Count; 'gtp_u_echo_counter': GTP-U Echo Count; 'gtp_curr_free_conn': GTP Current Available Conn; 'gtp_cum_conn_counter': GTP cumulative Conn Count; 'gtp_cum_conn_freed_counter': GTP cumulative Conn Freed; 'fw_blacklist_sess': Blacklist Sessions; 'fw_blacklist_sess_created': Blacklist Session Created; 'fw_blacklist_sess_freed': Blacklist Session Freed; 'server_tcp_est_counter': Server TCP Established; 'server_tcp_half_open_counter': Server TCP Half Open;

Type: string

Supported Values: all, total_l4_conn, conn_counter, conn_freed_counter, total_l4_packet_count, total_l7_packet_count, total_l4_conn_proxy, total_l7_conn, total_tcp_conn, curr_free_conn, tcp_est_counter, tcp_half_open_counter, tcp_half_close_counter, udp_counter, ip_counter, other_counter, reverse_nat_tcp_counter, reverse_nat_udp_counter, tcp_syn_half_open_counter, conn_smp_alloc_counter, conn_smp_free_counter, conn_smp_aged_counter, ssl_count_curr, ssl_count_total, server_ssl_count_curr, server_ssl_count_total, client_ssl_reuse_total, server_ssl_reuse_total, ssl_failed_total, ssl_failed_ca_verification, ssl_server_cert_error, ssl_client_cert_auth_fail, total_ip_nat_conn, total_l2l3_conn, client_ssl_ctx_malloc_failure, conn_type_0_available, conn_type_1_available, conn_type_2_available, conn_type_3_available, conn_type_4_available, conn_smp_type_0_available, conn_smp_type_1_available, conn_smp_type_2_available, conn_smp_type_3_available, conn_smp_type_4_available, sctp-half-open-counter, sctp-est-counter, nonssl_bypass, ssl_failsafe_total, ssl_forward_proxy_failed_handshake_total, ssl_forward_proxy_failed_tcp_total, ssl_forward_proxy_failed_crypto_total, ssl_forward_proxy_failed_cert_verify_total, ssl_forward_proxy_invalid_ocsp_stapling_total, ssl_forward_proxy_revoked_ocsp_total, ssl_forward_proxy_failed_cert_signing_total, ssl_forward_proxy_failed_ssl_version_total, ssl_forward_proxy_sni_bypass_total, ssl_forward_proxy_client_auth_bypass_total, conn_app_smp_alloc_counter, diameter_conn_counter, diameter_conn_freed_counter, debug_tcp_counter, debug_udp_counter, total_fw_conn, total_local_conn, total_curr_conn, client_ssl_fatal_alert, client_ssl_fin_rst, fp_session_fin_rst, server_ssl_fatal_alert, server_ssl_fin_rst, client_template_int_err, client_template_unknown_err, server_template_int_err, server_template_unknown_err, total_debug_conn, ssl_forward_proxy_failed_aflex_total,

ssl_forward_proxy_cert_subject_bypass_total, ssl_forward_proxy_cert_issuer_bypass_total, ssl_forward_proxy_cert_san_bypass_total, ssl_forward_proxy_no_sni_bypass_total, ssl_forward_proxy_no_sni_reset_total, ssl_forward_proxy_username_bypass_total, ssl_forward_proxy_ad_grpup_bypass_total, diameter_concurrent_user_sessions_counter, client_ssl_session_ticket_reuse_total, server_ssl_session_ticket_reuse_total, total_clientside_early_data_connections, total_serverside_early_data_connections, total_clientside_failed_early_data-connections, total_serverside_failed_early_data-connections, ssl_forward_proxy_esni_bypass_total, ssl_forward_proxy_esni_reset_total, total_logging_conn, gtp_c_est_counter, gtp_c_half_open_counter, gtp_u_counter, gtp_c_echo_counter, gtp_u_echo_counter, gtp_curr_free_conn, gtp_cum_conn_counter, gtp_cum_conn_freed_counter, fw_blacklist_sess, fw_blacklist_sess_created, fw_blacklist_sess_freed, server_tcp_est_counter, server_tcp_half_open_counter, sched_conn_with_wrong_next_idx_to_rml, free_conn_not_in_sp, total_system_sessions

ext-only-logging

Specification	Value
Type	*object*

enable

Description enable external only logging for packet driven DDOS logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list

Specification	Value
Type	*object*

ipv4-dest-list

Description: ipv4-dest-list is a **JSON Block**. Please see below for *ip-threat-list_ipv4-dest-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv4-dest-list*

ipv4-internet-host-list

Description: ipv4-internet-host-list is a **JSON Block**. Please see below for *ip-threat-list_ipv4-internet-host-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv4-internet-host-list*

ipv4-source-list

Description: ipv4-source-list is a **JSON Block**. Please see below for *ip-threat-list_ipv4-source-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv4-source-list*

ipv6-dest-list

Description: ipv6-dest-list is a **JSON Block**. Please see below for *ip-threat-list_ipv6-dest-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv6-dest-list*

ipv6-internet-host-list

Description: ipv6-internet-host-list is a **JSON Block**. Please see below for *ip-threat-list_ipv6-internet-host-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv6-internet-host-list*

ipv6-source-list

Description: ipv6-source-list is a **JSON Block**. Please see below for *ip-threat-list_ipv6-source-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv6-source-list*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv6-internet-host-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

white-list

Description Bind exception-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-list_ipv6-internet-host-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_ipv4-source-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv4-source-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_ipv4-internet-host-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

white-list

Description Bind exception-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-list_ipv4-internet-host-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packet_hit_count_in_sw': Packet Hit Count in SW; 'packet_hit_count_in_spe': Packet Hit Count in SPE; 'entries_added_in_sw': Entries Added in SW; 'entries_removed_from_sw': Entries Removed from SW; 'entries_added_in_spe': Entries Added in SPE; 'entries_removed_from_spe': Entries Removed from SPE; 'error_out_of_memory': Out of memory Error; 'error_out_of_spe_entries': Out of SPE Entries Error;

Type: string

Supported Values: all, packet_hit_count_in_sw, packet_hit_count_in_spe, entries_added_in_sw, entries_removed_from_sw, entries_added_in_spe, entries_removed_from_spe, error_out_of_memory, error_out_of_spe_entries

ip-threat-list_ipv6-dest-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv6-dest-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_ipv4-dest-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv4-dest-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ip-threat-list_ipv6-source-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-threat-list_ipv6-source-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

hardware-accelerate

Specification	Value
Type	*object*

sampling-enable

Type: List

session-forwarding

Description Configure session-forwarding in Hardware (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description: slb is a **JSON Block**. Please see below for *hardware-accelerate_slb*

Type: Object

Reference Object: */axapi/v3/system/hardware-accelerate/slb*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hardware-accelerate_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-counts': Total packets hit counts; 'hit-index': HW Fwd hit index; 'ipv4-forward-counts': Total IPv4 hardware forwarded packets; 'ipv6-forward-counts': Total IPv6 hardware forwarded packets; 'hw-fwd-module-status': Hardware forwarder status flags; 'hw-fwd-prog-reqs': Hardware forward programming requests; 'hw-fwd-prog-errors': Hardware forward programming Errors; 'hw-fwd-flow-singlebit-errors': Hardware forward singlebit Errors; 'hw-fwd-flow-tag-mismatch': Hardware forward tag mismatch errors; 'hw-fwd-flow-seq-mismatch': Hardware forward sequence mismatch errors; 'hw-fwd-ageout-drop-count': Hardware forward ageout drop count; 'hw-fwd-invalidation-drop': Hardware forward invalid drop count; 'hw-fwd-flow-hit-index': Hardware forward flow hit index; 'hw-fwd-flow-reason-flags': Hardware forward flow reason flags; 'hw-fwd-flow-drop-count': Hardware forward flow drop count; 'hw-fwd-flow-error-count': Hardware forward flow error count; 'hw-fwd-flow-unalign-count': Hardware forward flow unalign count; 'hw-fwd-flow-underflow-count': Hardware forward flow underflow count; 'hw-fwd-flow-tx-full-drop': Hardware forward flow tx full drop count; 'hw-fwd-flow-qdr-full-drop': Hardware forward flow qdr full drop count; 'hw-fwd-phyport-mismatch-drop': Hardware forward phyport mismatch count; 'hw-fwd-vlanid-mismatch-drop': Hardware forward vlanid mismatch count; 'hw-fwd-vmid-drop': Hardware forward vmid mismatch count; 'hw-fwd-protocol-mismatch-drop': Hardware forward protocol mismatch count; 'hw-fwd-avail-ipv4-entry': Hardware forward available ipv4 entries count; 'hw-fwd-avail-ipv6-entry': Hardware forward available ipv6 entries count; 'hw-fwd-rate-drop-count': Hardware forward rate drop count; 'hw-fwd-normal-ageout-rcvd': Hardware forward normal ageout received count; 'hw-fwd-tcp-fin-ageout-rcvd': Hardware forward tcp FIN ageout received count; 'hw-fwd-tcp-rst-ageout-rcvd': Hardware forward tcp RST ageout received count; 'hw-fwd-lookup-fail-rcvd': Hardware forward entry lookup fail count; 'hw-fwd-stats-update-rcvd': Hardware forward entry stats update count;

Type: string

Supported Values: all, hit-counts, hit-index, ipv4-forward-counts, ipv6-forward-counts, hw-fwd-module-status, hw-fwd-prog-reqs, hw-fwd-prog-errors, hw-fwd-flow-singlebit-errors, hw-fwd-flow-tag-mismatch, hw-fwd-flow-seq-mismatch, hw-fwd-ageout-drop-count, hw-fwd-invalidation-drop, hw-fwd-flow-hit-index, hw-fwd-flow-reason-flags, hw-fwd-flow-drop-count, hw-fwd-flow-error-count, hw-fwd-flow-unalign-count, hw-fwd-flow-underflow-count, hw-fwd-flow-tx-full-drop, hw-fwd-flow-qdr-full-drop, hw-fwd-phyport-mismatch-drop, hw-fwd-vlanid-mismatch-drop, hw-fwd-vmid-drop, hw-fwd-protocol-mismatch-drop, hw-fwd-avail-ipv4-entry, hw-fwd-avail-ipv6-entry, hw-fwd-rate-drop-count, hw-fwd-normal-ageout-rcvd, hw-fwd-tcp-fin-ageout-rcvd, hw-fwd-tcp-rst-ageout-rcvd, hw-fwd-lookup-fail-rcvd, hw-fwd-stats-update-rcvd, hw-fwd-flow-sflow-count

hardware-accelerate_slb

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hardware-accelerate_slb_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry-create': Hardware Entries Created; 'entry-create-failure': Hardware Entries Created; 'entry-create-fail-server-down': Hardware Entries Created; 'entry-create-fail-max-entry': Hardware Entries Created; 'entry-free': Hardware Entries Freed; 'entry-free-opp-entry': Hardware Entries Free due to opposite tuple entry ageout event; 'entry-free-no-hw-prog': Hardware Entry Free no hw prog; 'entry-free-no-conn': Hardware Entry Free no matched conn; 'entry-free-no-sw-entry': Hardware Entry Free no software entry; 'entry-counter': Hardware Entry Count; 'entry-age-out': Hardware Entries Aged Out; 'entry-age-out-idle': Hardware Entries Aged Out Idle; 'entry-age-out-tcp-fin': Hardware Entries Aged Out TCP FIN; 'entry-age-out-tcp-rst': Hardware Entries Aged Out TCP RST; 'entry-age-out-invalid-dst': Hardware Entries Aged Out invalid dst; 'entry-force-hw-invalidate': Hardware Entries Force HW Invalidate; 'entry-invalidate-server-down': Hardware Entries Invalidate due to server down; 'tcam-create': TCAM Entries Created; 'tcam-free': TCAM Entries Freed; 'tcam-counter': TCAM Entry Count;

Type: string

Supported Values: all, entry-create, entry-create-failure, entry-create-fail-server-down, entry-create-fail-max-entry, entry-free, entry-free-opp-entry, entry-free-no-hw-prog, entry-free-no-conn, entry-free-no-sw-entry, entry-counter, entry-age-out, entry-age-out-idle, entry-age-out-tcp-fin, entry-age-out-tcp-rst, entry-age-out-invalid-dst, entry-force-hw-invalidate, entry-invalidate-server-down, tcam-create, tcam-free, tcam-counter

software-tcam

Specification	Value
Type	*object*

enable

Description Enable software TCAM

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

session-reclaim-limit

Specification	Value
Type	*object*

nscan-limit

Description smp session scan limit (number of smp sessions per scan)

Type: number

Range: 1-20480

Default: 4096

scan-freq

Description smp session scan frequency (scan per second)

Type: number

Range: 5-50

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inuse-cpu-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

add-port

Specification	Value
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

tso

Specification	Value
Type	*object*

disable

Description Disable TCP Segmentation Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable TCP Segmentation Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bfd

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

bfd_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ip_checksum_error': IP packet checksum errors; 'udp_checksum_error': UDP packet checksum errors; 'session_not_found': Session not found; 'multihop_mismatch': Multihop session or packet mismatch; 'version_mismatch': BFD version mismatch; 'length_too_small': Packets too small; 'data_is_short': Packet data length too short; 'invalid_detect_mult': Invalid detect multiplier; 'invalid_multipoint': Invalid multipoint setting; 'invalid_my_disc': Invalid my descriptor; 'invalid_ttl': Invalid TTL; 'auth_length_invalid': Invalid authentication length; 'auth_mismatch': Authentication mismatch; 'auth_type_mismatch': Authentication type mismatch; 'auth_key_id_mismatch': Authentication key-id mismatch; 'auth_key_mismatch': Authentication key mismatch; 'auth_seqnum_invalid': Invalid authentication sequence number; 'auth_failed': Authentication failures; 'local_state_admin_down': Local admin down session state; 'dest_unreachable': Destination unreachable; 'no_ipv6_enable': No IPv6 enable; 'other_error': Other errors;

Type: string

Supported Values: all, ip_checksum_error, udp_checksum_error, session_not_found, multihop_mismatch, version_mismatch, length_too_small, data_is_short, invalid_detect_mult, invalid_multipoint, invalid_my_disc, invalid_ttl, auth_length_invalid, auth_mismatch, auth_type_mismatch, auth_key_id_mismatch, auth_key_mismatch, auth_seqnum_invalid, auth_failed, local_state_admin_down, dest_unreachable, no_ipv6_enable, other_error

tls-1-3-mgmt

Specification	Value
Type	*object*

enable

Description Enable TLS 1.3 support on ACOS management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

environment

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-hw-hash

Specification	Value
Type	*object*

mode

Description Set HW hash mode, default is 6 (1:dst-mac 2:src-mac 3:src-dst-mac 4:src-ip 5:dst-ip 6:rtag6 7:rtag7)

Type: number

Range: 1-7

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template

Specification	Value
Type	*object*

template-policy

Description Apply policy template to the whole system (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-bind

Specification	Value
Type	*object*

monitor-list

Type: List

Reference Object: */axapi/v3/system/template-bind/monitor/{template-monitor}*

template-bind_monitor-list

Specification	Value
Type	*list*
Block object keys	

template-monitor

Description Monitor template ID Number

Type: number

Range: 1-16

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipmi

Specification	Value
Type	*object*

ip

Description: ip is a **JSON Block**. Please see below for *ipmi_ip*

Type: Object

Reference Object: */axapi/v3/system/ipmi/ip*

ipsrc

Description: ipsrc is a **JSON Block**. Please see below for *ipmi_ipsrc*

Type: Object

Reference Object: */axapi/v3/system/ipmi/ipsrc*

reset

Description Reset IPMI Controller

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

tool

Description: tool is a **JSON Block**. Please see below for *ipmi_tool*

Type: Object

Reference Object: */axapi/v3/system/ipmi/tool*

user

Description: user is a **JSON Block**. Please see below for *ipmi_user*

Type: Object

Reference Object: */axapi/v3/system/ipmi/user*

ipmi_ip

Specification	Value
Type	*object*

default-gateway

Description Default gateway address

Type: string

Format: ipv4-address

ipv4-address

Description IP address

Type: string

Format: ipv4-address

ipv4-netmask

Description IP subnet mask

Type: string

Format: ipv4-netmask

ipmi_ipsrc

Specification	Value
Type	*object*

dhcp

Description IP addr obtained by BMC running DHCP

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

static

Description Manually configured static IP address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipmi_tool

Specification	Value
Type	*object*

cmd

Description Command to execute in double quotes

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

ipmi_user

Specification	Value
Type	*object*

add

Description Add a new IPMI user (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

administrator

Description Full control

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

callback

Description Lowest privilege level

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

disable

Description Disable an existing IPMI user (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

newname

Description New IPMI User Name

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

newpass

Description New Password

Type: string

Format: password

Maximum Length: 17 characters

Maximum Length: 1 characters

operator

Description Most BMC commands are allowed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Password

Type: string

Format: password

Maximum Length: 17 characters

Maximum Length: 1 characters

privilege

Description Change an existing IPMI user privilege (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

setname

Description Change User Name (Current IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

setpass

Description Change Password (IPMI User Name)

Type: string

Format: string-rlx

Maximum Length: 16 characters

Maximum Length: 1 characters

user

Description Only 'benign' commands are allowed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

set-rxtx-queue

Specification	Value
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

rxq-size

Description Set number of new rx queues

Type: number

Range: 0-1024

txq-size

Description Set number of new tx queues

Type: number

Range: 0-1024

lro

Specification	Value
Type	*object*

disable

Description Disable Large Receive Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable Large Receive Offload

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

q-in-q

Specification	Value
Type	*object*

enable-all-ports

Description Enable 802.1QinQ on all physical ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inner-tpid

Description TPID for inner VLAN (Inner TPID, 16 bit hex value, default is 8100)

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

outer-tpid

Description TPID for outer VLAN (Outer TPID, 16 bit hex value, default is 8100)

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-req-q

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-req-q_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num-ssl-queues': some help string; 'ssl-req-q-depth-tot': some help string; 'ssl-req-q-inuse-tot': some help string; 'ssl-hw-q-depth-tot': some help string; 'ssl-hw-q-inuse-tot': some help string;

Type: string

Supported Values: all, num-ssl-queues, ssl-req-q-depth-tot, ssl-req-q-inuse-tot, ssl-hw-q-depth-tot, ssl-hw-q-inuse-tot

telemetry-log

Specification	Value
Type	*object*

device-status

Description: device-status is a **JSON Block**. Please see below for *telemetry-log_device-status*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/device-status*

environment

Description: environment is a **JSON Block**. Please see below for *telemetry-log_environment*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/environment*

partition-metrics

Description: partition-metrics is a **JSON Block**. Please see below for *telemetry-log_partition-metrics*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/partition-metrics*

top-k-app-svc-list

Description: top-k-app-svc-list is a **JSON Block**. Please see below for *telemetry-log_top-k-app-svc-list*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/top-k-app-svc-list*

top-k-source-list

Description: top-k-source-list is a **JSON Block**. Please see below for *telemetry-log_top-k-source-list*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/top-k-source-list*

telemetry-log_device-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry-log_environment

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry-log_partition-metrics

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry-log_top-k-app-svc-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

telemetry-log_top-k-source-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-count

Specification	Value
Type	*object*

port-count-alg

Description Total Ports to be allocated for alg types.

Type: number

Range: 1000-6000

Default: 6000

port-count-hm

Description Total Ports to be allocated for hm.

Type: number

Range: 1024-4096

Default: 1024

port-count-kernel

Description Total Ports to be allocated for kernel.

Type: number

Range: 1024-24000

Default: 18000

port-count-logging

Description Total Ports to be allocated for logging.

Type: number

Range: 1024-4096

Default: 4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec

Specification	Value
Type	*object*

QAT

Description HW assisted QAT SSL module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crypto-core

Description Crypto cores assigned for IPsec processing

Type: number

Range: 0-64

Default: 0

crypto-mem

Description Crypto memory percentage assigned for IPsec processing (rounded to increments of 10)

Type: number

Range: 0-100

Default: 0

fpga-decrypt

Description: fpga-decrypt is a **JSON Block**. Please see below for *ipsec_fpga-decrypt*

Type: Object

Reference Object: */axapi/v3/system/ipsec/fpga-decrypt*

packet-round-robin

Description Enable packet round robin for IPsec packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipsec_fpga-decrypt

Specification	Value
Type	*object*

action

Description 'enable': Enable FPGA decryption offload; 'disable': Disable FPGA decryption offload;

Type: string

Supported Values: enable, disable

Default: disable

cli-monitor-interval

Specification	Value
Type	*object*

interval

Description one interval is 300ms (0 = disable)

Type: number

Range: 0-5000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hrxq-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cosq-stats

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

password-policy

Specification	Value
Type	*object*

aging

Description 'Strict': Strict: Max Age-60 Days; 'Medium': Medium: Max Age- 90 Days; 'Simple': Simple: Max Age-120 Days;

Type: string

Supported Values: Strict, Medium, Simple

complexity

Description 'Strict': Strict: Min length:8, Min Lower Case:2, Min Upper Case:2, Min Numbers:2, Min Special Character:1, CHANGE Min 8 Characters; 'Medium': Medium: Min length:6, Min Lower Case:2, Min Upper Case:2, Min Numbers:1, Min Special Character:1, CHANGE Min 6 Characters; 'Default': Default: Min length:9, Min Lower Case:1, Min Upper Case:1, Min Numbers:1, Min Special Character:1, CHANGE Min 1 Characters; 'Simple': Simple: Min length:4, Min Lower Case:1, Min Upper Case:1, Min Numbers:1, Min Special Character:0, CHANGE Min 4 Characters;

Type: string

Supported Values: Strict, Medium, Default, Simple

forbid-consecutive-character

Description '0': Will disable the check; '3': Three consecutive characters on keyboard will not be allowed.; '4': Four consecutive characters on keyboard will not be allowed.; '5': Five consecutive characters on keyboard will not be allowed.;

Type: string

Supported Values: 0, 3, 4, 5

Default: 0

history

Description 'Strict': Strict: Does not allow upto 5 old passwords; 'Medium': Medium: Does not allow upto 4 old passwords; 'Simple': Simple: Does not allow upto 3 old passwords;

Type: string

Supported Values: Strict, Medium, Simple

min-pswd-len

Description Configure custom password length

Type: number

Range: 8-63

repeat-character-check

Description 'enable': Prohibition of consecutive repeated input of the same letter/number, case sensitive; 'disable': Will not check if the password contains repeat characters;

Type: string

Supported Values: enable, disable

Default: disable

username-check

Description 'enable': Prohibition to set password contains user account, case sensitive; 'disable': Will not check if the password contains user account;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

queuing-buffer

Specification	Value
Type	*object*

enable

Description Enable/Disable micro-burst traffic support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu-map

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ports

Specification	Value
Type	*object*

link-detection-interval

Description Link detection interval in msecs

Type: number

Range: 50-60000

Default: 1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mfa-validation-type

Specification	Value
Type	*object*

ca-cert

Description Configure CA Certificate

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

core

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-performance

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-performance_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-throughput-bits-per-sec': Total Throughput in bits/sec; 'l4-conns-per-sec': L4 Connections/sec; 'l7-conns-per-sec': L7 Connections/sec; 'l7-trans-per-sec': L7 Transactions/sec; 'ssl-conns-per-sec': SSL Connections/sec; 'ip-nat-conns-per-sec': IP NAT Connections/sec; 'total-new-conns-per-sec': Total New Connections Established/sec; 'total-curr-conns': Total Current Established Connections; 'l4-bandwidth': L4 Bandwidth in bits/sec; 'l7-bandwidth': L7 Bandwidth in bits/sec; 'serv-ssl-conns-per-sec': Server SSL Connections/sec; 'fw-conns-per-sec': FW Connections/sec; 'gifw-conns-per-sec': GiFW Connections/sec;

Type: string

Supported Values: all, total-throughput-bits-per-sec, l4-conns-per-sec, l7-conns-per-sec, l7-trans-per-sec, ssl-conns-per-sec, ip-nat-conns-per-sec, total-new-conns-per-sec, total-curr-conns, l4-bandwidth, l7-bandwidth, serv-ssl-conns-per-sec, fw-conns-per-sec, gifw-conns-per-sec

counter-lib-accounting

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

inuse-port-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

control-cpu

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-syn-per-sec

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

radius

Specification	Value
Type	*object*

server

Description: server is a **JSON Block**. Please see below for *radius_server*

Type: Object

Reference Object: */axapi/v3/system/radius/server*

radius_server

Specification	Value
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated(CGN only);

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI; 'custom1': Clear using CUSTOM1 attribute configured; 'custom2': Clear using CUSTOM2 attribute configured; 'custom3': Clear using CUSTOM3 attribute configured; 'custom4': Clear using CUSTOM4 attribute configured; 'custom5': Clear using CUSTOM5 attribute configured; 'custom6': Clear using CUSTOM6 attribute configured;

Type: string

Supported Values: msisdn, imei, imsi, custom1, custom2, custom3, custom4, custom5, custom6

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

derived-attribute

Description: derived-attribute is a **JSON Block**. Please see below for *radius_server_derived-attribute*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute*

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (default 1813) (Port number)

Type: number

Range: 1024-65535

Default: 1813

remote

Description: remote is a **JSON Block**. Please see below for *radius_server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

radius_server_remote

Specification	Value
Type	*object*

ip-list

Type: List

radius_server_remote_ip-list

Specification	Value
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

radius_server_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Ignored; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-created': RADIUS SMP Created; 'smp-deleted': RADIUS SMP Deleted; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-in-rml': RADIUS SMP in RML; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop; 'radius-packets-redirected': RADIUS packets redirected (SO); 'radius-packets-redirect-fail-dropped': RADIUS packets dropped due to redirect failure (SO); 'radius-packets-process-local': RADIUS packets processed locally without redirection (SO); 'radius-packets-dropped-not-lo': RADIUS packets dropped dest not loopback (SO); 'radius-inter-card-dup-redir': RADIUS packet dropped as redirected by other blade (SO);

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

radius_server_attribute

Specification	Value
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

radius_server_derived-attribute

Specification	Value
Type	*object*

usergroup

Description: usergroup is a **JSON Block**. Please see below for *radius_server_derived-attribute_usergroup*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute/usergroup*

userid

Description: userid is a **JSON Block**. Please see below for *radius_server_derived-attribute_userid*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute/userid*

radius_server_derived-attribute_userid

Specification	Value
Type	*object*

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

radius_server_derived-attribute_usergroup

Specification	Value
Type	*object*

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

modify-port

Specification	Value
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

port-number

Description port number to be configured (Specify port number)

Type: number

Range: 1-32

enable-password

Specification	Value
Type	*object*

follow-password-policy

Description enable-password will follow password policy complexity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

del-port

Specification	Value
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

management-interface-mode

Specification	Value
Type	*object*

dedicated

Description Set management interface in dedicated mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

non-dedicated

Description Set management interface in non-dedicated mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

shared-poll-mode

Specification	Value
Type	*object*

disable

Description Disable shared poll mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable shared poll mode

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

asic-mmu-fail-safe

Specification	Value
Type	*object*

inject-error

Description Inject MMU SER/Parity errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-disable

Description Enable Fail-safe software error monitoring and act on it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-interval

Description ASIC Fail-safe monitoring intervals in Seconds (Units of 1 Seconds (default 60))

Type: number

Range: 5-300

Default: 60

reboot-disable

Description Disable system reboot if system encounters mmu error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recovery-threshold

Description ASIC Fail-safe recovery threshold in Errors (Units of 1 Errors (default 2))

Type: number

Range: 1-1000

Default: 2

test-pattern-type

Description 'all-zeros': Inject all bits 0s in a byte; 'all-ones': Inject all bits 1s in a byte; 'lcb': Logical checker board; 'inverse-lcb': Inverse Logical checker board;

Type: string

Supported Values: all-zeros, all-ones, lcb, inverse-lcb

Default: lcb

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

netvsc-monitor

Specification	Value
Type	*object*

enable

Description Enable/Disable auto-recovery from Rx/Tx hang

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

reboot

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pbslb

Specification	Value
Type	*object*

sampling-enable

Type: List

sockstress-disable

Description Disable sockstress protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pbslb_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current PBSLB Entry Count; 'total_v4_entries_created': Total V4 Entry Count Created; 'total_v4_entries_freed': Total V4 Entry Count Freed; 'total_v6_entries_created': Total V6 Entry Count Created; 'total_v6_entries_freed': Total V6 Entry Count Freed; 'total_domain_entries_created': Total Domain Entry Count Created; 'total_domain_entries_freed': Total Domain Entry Count

Freed; 'total_direct_action_entries_created': Total Direct Action Entry Count Created; 'total_direct_action_entries_freed': Total Direct Action Entry Count Freed; 'curr_entries_target_global': Current Entry Target Global; 'curr_entries_target_vserver': Current Entry Target Vserver; 'curr_entries_target_vport': Current Entry Target Vport; 'curr_entries_target_LOC': Current Entry Target LOC; 'curr_entries_target_rserver': Current Entry Target Rserver; 'curr_entries_target_rport': Current Entry Target Rport; 'curr_entries_target_service': Current Entry Target Service; 'curr_entries_stats': Current Entry Stats Count;

Type: string

Supported Values: all, curr_entries, total_v4_entries_created, total_v4_entries_freed, total_v6_entries_created, total_v6_entries_freed, total_domain_entries_created, total_domain_entries_freed, total_direct_action_entries_created, total_direct_action_entries_freed, curr_entries_target_global, curr_entries_target_vserver, curr_entries_target_vport, curr_entries_target_LOC, curr_entries_target_rserver, curr_entries_target_rport, curr_entries_target_service, curr_entries_stats, curr_entries_target_global_dns_cache

domain-list-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-mac-scheme

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-mac-scheme-val

Description 'hash-based': Hash-based using the VE number; 'round-robin': Round Robin scheme; 'system-mac': Use system MAC address;

Type: string

Supported Values: hash-based, round-robin, system-mac

Default: hash-based

cpu-packet-prio-support

Specification	Value
Type	*object*

disable

Description Disable CPU packet prioritization Support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: disable and enable are mutually exclusive

enable

Description Enable CPU packet prioritization Support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: enable and disable are mutually exclusive

nsm-a10lb

Specification	Value
Type	*object*

kill

Description NSM will terminate a10lb if no response received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-monitor

Specification	Value
Type	*object*

disable

Description Disable Link Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable Link Monitoring

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apps-global

Specification	Value
Type	*object*

cps-threshold

Description Set threshold for the total Connections Per Second across the system (Enter threshold number)

Type: number

Range: 0-2147483647

Default: 0

log-session-on-established

Description Send TCP session creation log on completion of 3-way handshake

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msl-time

Description Configure maximum session life, default is 2 seconds (1-39 seconds, default is 2 seconds)

Type: number

Range: 1-39

Default: 2

sessions-threshold

Description Set threshold for total sessions across the system (Enter threshold number)

Type: number

Range: 0-2147483647

Default: 0

timer-wheel-walk-limit

Description Set timer wheel walk limit (0-1024, 0 is unlimited, default is 100)

Type: number

Range: 0-1024

Default: 100

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

multi-queue-support

Specification	Value
Type	*object*

enable

Description Enable Multi-Queue-Support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

trunk

Specification	Value
Type	*object*

load-balance

Description: load-balance is a **JSON Block**. Please see below for *trunk_load-balance*

Type: Object

Reference Object: */axapi/v3/system/trunk/load-balance*

trunk_load-balance

Specification	Value
Type	*object*

use-l3

Description Layer-3 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l3 and use-l4 are mutually exclusive

use-l4

Description Layer-3/4 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l4 and use-l3 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-usage

Specification	Value
Type	*object*

aflex-table-entry-count

Description Total aFleX table entry in the system (Total aFlex entry in the system)

Type: number

auth-portal-html-file-size

Description Specify maximum html file size for each html page in auth portal (in KB)

Type: number

Range: 4-120

Default: 20

auth-portal-image-file-size

Description Specify maximum image file size for default portal (in KB)

Type: number

Range: 1-80

Default: 6

auth-session-count

Description Total auth sessions in the system

Type: number

authz-policy-number

Description Specify the maximum number of authorization policies

Type: number

class-list-ac-entry-count

Description Total entries for AC class-list

Type: number

class-list-entry-count

Description Total entries for class-list

Type: number

class-list-ipv6-addr-count

Description Total IPv6 addresses for class-list

Type: number

ipsec-sa-number

Description Specify the maximum number of IPsec SA

Type: number

l4-session-count

Description Total Sessions in the System

Type: number

max-aflex-authz-collection-number

Description Specify the maximum number of collections supported by aFleX authorization

Type: number

Range: 256-4096

Default: 512

max-aflex-file-size

Description Set maximum aFleX file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-1024

Default: 32

nat-pool-addr-count

Description Total configurable NAT Pool addresses in the System

Type: number

ngwaf-cache-entry

Description Specify the maximum cache entries for NGWAF

Type: number

radius-table-size

Description Total configurable CGNV6 RADIUS Table entries

Type: number

ram-cache-memory-limit

Description Specify the maximum memory used by ram cache

Type: number

ssl-context-memory

Description Total SSL context memory needed in units of MB. Will be rounded to closest multiple of 2MB

Type: number

Range: 256-16384

Default: 2048

ssl-dma-memory

Description Total SSL DMA memory needed in units of MB. Will be rounded to closest multiple of 2MB

Type: number

Range: 32-2048

Default: 256

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

visibility

Description: visibility is a **JSON Block**. Please see below for *resource-usage_visibility*

Type: Object

Reference Object: */axapi/v3/system/resource-usage/visibility*

resource-usage_visibility

Specification	Value
Type	*object*

monitored-entity-count

Description Total number of monitored entities for visibility

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cl-threat-category

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

xaui-dlb-mode

Specification	Value
Type	*object*

enable

Description Enable/Disable Dynamic Load Balancing traffic distribution support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-scv-verify-crl-sign

Specification	Value
Type	*object*

enable

Description Enable verify CRL signature during SCV

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

power-on-self-test

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

throughput

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

throughput_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'global-system-throughput-bits-per-sec': Global System throughput in bits/sec; 'per-part-throughput-bits-per-sec': Partition throughput in bits/sec;

Type: string

Supported Values: all, global-system-throughput-bits-per-sec, per-part-throughput-bits-per-sec

cm-update-file-name-ref

Specification	Value
Type	*object*

dest_name

Description bind dest name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

id

Description Specify unique Partition id

Type: number

source_name

Description bind source name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

spe-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mfa-auth

Specification	Value
Type	*object*

second-factor

Description Input second factor paramter

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

username

Description Username for MFA validation

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ssl-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fpga-core-crc

Specification	Value
Type	*object*

monitor-disable

Description Disable FPGA Core CRC error monitoring and act on it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reboot-enable

Description Enable system reboot if system encounters FPGA Core CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

trunk-xaui-hw-hash

Specification	Value
Type	*object*

mode

Description Set HW hash mode, default is 6 (1:dst-mac 2:src-mac 3:src-dst-mac 4:src-ip 5:dst-ip 6:rtag6 7:rtag7)

Type: number

Range: 1-7

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu-load-sharing

Specification	Value
Type	*object*

allow-l7-sessions

Description Allow L7 sessions forward to home cpu

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cpu-usage

Description: cpu-usage is a **JSON Block**. Please see below for *cpu-load-sharing_cpu-usage*

Type: Object

disable

Description Disable CPU load sharing in overload situations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

others

Description Disallow redistribution of new non TCP/UDP IP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *cpu-load-sharing_packets-per-second*

Type: Object

tcp

Description Disallow redistribution of new TCP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description Disallow redistribution of new UDP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu-load-sharing_cpu-usage

Specification	Value
Type	*object*

high

Description CPU usage threshold (percentage) that will trigger the redistribution (default: 75)

Type: number

Range: 0-100

Default: 75

low

Description CPU usage threshold (percentage) that will restore the normal packet distribution (default: 60)

Type: number

Range: 0-100

Default: 60

cpu-load-sharing_packets-per-second

Specification	Value
Type	*object*

min

Description Minimum packets-per-second threshold (per CPU) before redistribution will take effect (Minimum packets-per-second threshold (per CPU) before redistribution will take effect (default: 100000))

Type: number

Range: 0-30000000

Default: 100000

geoloc-list-list

Specification	Value
Type	*list*
Block object keys	

exclude-geoloc-name-list

Type: List

include-geoloc-name-list

Type: List

name

Description Specify name of Geolocation list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

shared

Description Enable sharing with other partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geoloc-list-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-count': some help string; 'total-geoloc': some help string; 'total-active': some help string;

Type: string

Supported Values: all, hit-count, total-geoloc, total-active

geoloc-list-list_include-geoloc-name-list

Specification	Value
Type	*list*
Block object keys	

include-geoloc-name-val

Description Geolocation name to add

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

geoloc-list-list_exclude-geoloc-name-list

Specification	Value
Type	*list*
Block object keys	

exclude-geoloc-name-val

Description Geolocation name to exclude

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

shutdown

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-stats

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-stats_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inreceives': Incoming packets received; 'inhdrerrors': Incoming packet header errors; 'intoobigerrors': Incoming packet too big errors; 'innoroutes': Incoming no route packet drops; 'inaddrerrors': Incoming packet address errors; 'inunknownprotos': Incoming unkown protocol packet drops; 'intruncatedpkts': Incoming truncated packets; 'indiscards': Incoming packets discarded; 'indelivers': Incoming packets delivered; 'outforwdatagrams': Outgoing forwarded datagrams; 'outrequests': Outgoing packets; 'outdiscards': Outgoing packets discarded; 'outnoroutes': Outgoing no route packet drops; 'reasmtimeout': Reassembly timed out packet drops; 'reasmreqds': Incoming reassembly requests; 'reasmoks': Incoming reassembled packets; 'reasmfails': Incoming reassembly requests failed; 'fragoks': Outgoing packets fragmented; 'fragfails': Outgoing packets fragmentation failed; 'fragcreates': Outgoing fragmented packets; 'inmcastpkts': Incoming multicast packets; 'outmcastpkts': Outgoing multicast packets;

Type: string

Supported Values: all, inreceives, inhdrerrors, intoobigerrors, innoroutes, inaddrerrors, inunknownprotos, intruncatedpkts, indiscards, indelivers, outforwdatagrams, outrequests, outdiscards, outnoroutes, reasmtimeout, reasmreqds, reasmoks, reasmfails, fragoks, fragfails, fragcreates, inmcastpkts, outmcastpkts

domain-list-settings

Specification	Value
Type	*object*

concurrent-task

Description Configure max concurrent AXFR task (Default 6)

Type: number

Range: 1-100

Default: 6

domain-list-per-group

Description '16': Allow 16 domain-list per group (Default); '32': Allow 32 domain-list per group;

Type: string

Supported Values: 16, 32

Default: 16

polling-interval

Description '1-second': Set interval to 1 second; '5-second': Set interval to 5 seconds; '10-second': Set interval to 10 seconds (Default);

Type: string

Supported Values: 1-second, 5-second, 10-second

Default: 10-second

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip6-stats

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip6-stats_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inreceives': Incoming packets received; 'inhdrerrors': Incoming packet header errors; 'intoobigerrors': Incoming packet too big errors; 'innoroutes': Incoming no route packet drops; 'inaddrerrors': Incoming packet address errors; 'inunknownprotos': Incoming unkown protocol packet drops; 'intruncatedpkts': Incoming truncated packets; 'indiscards': Incoming packets discarded; 'indelivers': Incoming packets delivered; 'outforwdatagrams': Outgoing forwarded datagrams; 'outrequests': Outgoing packets; 'outdiscards': Outgoing packets discarded; 'outnoroutes': Outgoing no route packet drops; 'reasmtimeout': Reassembly timed out packet drops; 'reasmreqds': Incoming reassembly requests; 'reasmoks': Incoming reassembled packets; 'reasmfails': Incoming reassembly requests failed; 'fragoks': Outgoing packets fragmented; 'fragfails': Outgoing packets fragmentation failed; 'fragcreates': Outgoing fragmented packets; 'inmcastpkts': Incoming multicast packets; 'outmcastpkts': Outgoing multicast packets;

Type: string

Supported Values: all, inreceives, inhdrerrors, intoobigerrors, innoroutes, inaddrerrors, inunknownprotos, intruncatedpkts, indiscards, indelivers, outforwdatagrams, outrequests, outdiscards, outnoroutes, reasmtimeout, reasmreqds, reasmoks, reasmfails, fragoks, fragfails, fragcreates, inmcastpkts, outmcastpkts

config-mgmt

Specification	Value
Type	*object*

delete-referenced-tagged-objects

Description 'enable': Allow deletion of referenced tagged objects. Default option.; 'disable': Block deletion of referenced tagged objects;

Type: string

Supported Values: enable, disable

Default: enable

pu-sync-detection

Description: pu-sync-detection is a **JSON Block**. Please see below for *config-mgmt_pu-sync-detection*

Type: Object

Reference Object: */axapi/v3/system/config-mgmt/pu-sync-detection*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

config-mgmt_pu-sync-detection

Specification	Value
Type	*object*

action

Description 'enable': Enable pu-sync-detection feature; 'disable': Disable pu-sync-detection feature;

Type: string

Supported Values: enable, disable

Default: disable

interval

Description Time interval (seconds) for detection. Default is 30 seconds.

Type: number

Range: 30-86400

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-scv-verify-host

Specification	Value
Type	*object*

disable

Description Disable verify host during SCV

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

io-cpu

Specification	Value
Type	*object*

max-cores

Description max number of IO cores (Specify number of cores)

Type: number

Range: 0-128

dns

Specification	Value
Type	*object*

recursive-nameserver

Description: recursive-nameserver is a **JSON Block**. Please see below for *dns_recursive-nameserver*

Type: Object

Reference Object: */axapi/v3/system/dns/recursive-nameserver*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slb_req': No. of requests; 'slb_resp': No. of responses; 'slb_no_resp': No. of requests with no response; 'slb_req_rexmit': No. of requests retransmit; 'slb_resp_no_match': No. of requests and responses with no match; 'slb_no_resource': No. of resource failures; 'nat_req': (NAT) No. of requests; 'nat_resp': (NAT) No. of responses; 'nat_no_resp': (NAT) No. of resource failures; 'nat_req_rexmit': (NAT) No. of request retransmits; 'nat_resp_no_match': (NAT) No. of requests with no response; 'nat_no_resource': (NAT) No. of resource failures; 'nat_xid_reused': (NAT) No. of requests reusing a transaction id; 'filter_type_drop': Total Query Type Drop; 'filter_class_drop': Total Query Class Drop; 'filter_type_any_drop': Total Query ANY Type Drop; 'slb_dns_client_ssl_succ': No. of client ssl success; 'slb_dns_server_ssl_succ': No. of server ssl success; 'slb_dns_udp_conn': No. of backend udp connections; 'slb_dns_udp_conn_succ': No. of backend udp conn established; 'slb_dns_padding_to_server_removed': some help string; 'slb_dns_padding_to_client_added': some help string; 'slb_dns_edns_subnet_to_server_removed': some help string; 'slb_dns_udp_retransmit': some help string; 'slb_dns_udp_retransmit_fail': some help string; 'rpz_action_drop': RPZ Action Drop; 'rpz_action_pass_thru': RPZ Action Pass Through; 'rpz_action_tcp_only': RPZ Action TCP Only; 'rpz_action_nxdomain': RPZ Action NXDOMAIN; 'rpz_action_nodata': RPZ Action NODATA; 'rpz_action_local_data': RPZ Action Local Data; 'slb_drop': DNS requests drop; 'nat_slb_drop': (NAT)DNS requests drop; 'invalid_q_len_to_udp': invalid query length to conver to UDP; 'slb_dns_edns_ecs_received': Number of ecs from client received; 'slb_dns_edns_ecs_inserted': Number of ecs inserted;

Type: string

Supported Values: all, slb_req, slb_resp, slb_no_resp, slb_req_rexmit, slb_resp_no_match, slb_no_resource, nat_req, nat_resp, nat_no_resp, nat_req_rexmit, nat_resp_no_match, nat_no_resource, nat_xid_reused, filter_type_drop, filter_class_drop, filter_type_any_drop, slb_dns_client_ssl_succ, slb_dns_server_ssl_succ, slb_dns_udp_conn, slb_dns_udp_conn_succ, slb_dns_padding_to_server_removed,

slb_dns_padding_to_client_added, slb_dns_edns_subnet_to_server_removed, slb_dns_udp_retransmit, slb_dns_udp_retransmit_fail, rpz_action_drop, rpz_action_pass_thru, rpz_action_tcp_only, rpz_action_nxdomain, rpz_action_nodata, rpz_action_local_data, slb_drop, nat_slb_drop, invalid_q_len_to_udp, slb_dns_edns_ecs_received, slb_dns_edns_ecs_inserted

dns_recursive-nameserver

Specification	Value
Type	*object*

follow-shared

Description Use the configured name servers of shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns_recursive-nameserver_server-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description Specify IPv4 server address

Type: string

Format: ipv4-address

ipv6-addr

Description Specify IPv6 server address

Type: string

Format: ipv6-address

v4-desc

Description Description for this ipv4 address

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v6-desc

Description Description for this ipv6 address

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

memory

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

memory_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'usage-percentage': Memory Usage percentage;

Type: string

Supported Values: all, usage-percentage

cpu-hyper-thread

Specification	Value
Type	*object*

disable

Description Disable CPU Hyperthreading

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable

Description Enable CPU Hyperthreading

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ssl-scv

Specification	Value
Type	*object*

enable

Description Enable server certificate validation for all SSL connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

udp

Specification	Value
Type	*object*

skip-checksum-when-zero

Description When enabled, the system does not modify the L4 checksum if the original passthrough packet was received with UDP checksum valu

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ssl-set-compatible-cipher

Specification	Value
Type	*object*

disable

Description Disable setting common cipher suite in management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

glid

Specification	Value
Type	*object*

glid-id

Description Apply limits to the whole system

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/glid*

non-shared

Description Apply global limit ID to the whole system at per data cpu level (default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

spe-profile

Specification	Value
Type	*object*

action

Description 'ipv4-only': Enable IPv4 HW forward entries only; 'ipv6-only': Enable IPv6 HW forward entries only; 'ipv4-ipv6': Enable Both IPv4/IPv6 HW forward entries (shared);

Type: string

Supported Values: ipv4-only, ipv6-only, ipv4-ipv6

Default: ipv4-ipv6

add-cpu-core

Specification	Value
Type	*object*

core-index

Description core index to be added (Specify core index)

Type: number

Range: 0-128

cpu-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Total number; 'inmsgs': In Messages; 'inerrors': In Errors; 'indestunreachs': In Destination Unreachable; 'intimeexcds': In TTL Exceeds; 'inparmprobs': In Parameter Problem; 'insrcquenchs': In Source Quench Error; 'inredirects': In Redirects; 'inechos': In Echo requests; 'inechoreps': In Echo replies; 'intimestamps': In Timestamp; 'intimestampreps': In Timestamp Rep; 'inaddrmasks': In Address Masks; 'inaddrmaskreps': In Address Mask Rep; 'outmsgs': Out Message; 'outerrors': Out Errors; 'outdestunreachs': Out Destination Unreachable; 'outtimeexcds': Out TTL Exceeds; 'outparmprobs': Out Parameter Problem; 'outsrcquenchs': Out Source Quench Error; 'outredirects': Out Redirects; 'outechos': Out Echo Requests; 'outechoreps': Out Echo Replies; 'outtimestamps': Out Time Stamp; 'outtimestampreps': Out Time Stamp Rep; 'outaddrmasks': Out Address Mask; 'outaddrmaskreps': Out Address Mask Rep;

Type: string

Supported Values: all, num, inmsgs, inerrors, indestunreachs, intimeexcds, inparmprobs, insrcquenchs, inredirects, inechos, inechoreps, intimestamps, intimestampreps, inaddrmasks, inaddrmaskreps, outmsgs, outerrors, outdestunreachs, outtimeexcds, outparmprobs, outsrcquenchs, outredirects, outechos, outechoreps, outtimestamps, outtimestampreps, outaddrmasks, outaddrmaskreps

gui-image-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-stats

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tcp-stats_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'connattempt': Connect initiated; 'connects': Connect established; 'drops': Connect dropped; 'conndrops': Embryonic connect dropped; 'closed': Connect closed; 'segstimed': Segs to get RTT; 'rttupdated': Update RTT; 'delack': Delayed acks sent; 'timeoutdrop': Conn dropped in rxmt timeout; 'rexmttimeo': Retransmit timeout; 'persisttimeo': Persist timeout; 'keeptimeo': Keepalive timeout; 'keepprobe': Keepalive probe sent; 'keepdrops': Connect dropped in keepalive; 'sndtotal': Total packet sent; 'sndpack': Data packet sent; 'sndbyte': Data bytes sent; 'sndrexmitpack': Data packet retransmit; 'sndrexmitbyte': Data byte retransmit; 'sndrexmitbad': Unnecessary packet retransmit; 'sndacks': Ack packet sent; 'sndprobe': Window probe sent; 'sndurg': URG packet sent; 'sndwinup': Window update packet sent; 'sndctrl': SYN|FIN|RST packet sent; 'sndrst': RST packet sent; 'sndfin': FIN packet sent; 'sndsyn': SYN packet sent; 'rcvtotal': Total packet received; 'rcvpack': Packet received; 'rcvbyte': Bytes received; 'rcvbadoff': Packet received with bad offset; 'rcvmemdrop': Packet dropped for lack of memory; 'rcvduppack': Duplicate packet received; 'rcvdupbyte': Duplicate bytes received; 'rcvpartduppack': Packet with some duplicate data; 'rcvpartdupbyte': Dup. bytes in part-dup. packets; 'rcvoopack': Out-of-order packet received; 'rcvoobyte': Out-of-order bytes received; 'rcvpackafterwin': Packets with data after window; 'rcvbyteafterwin': Bytes rcvd after window; 'rcvwinprobe': Rcvd window probe packet; 'rcvdupack': Rcvd duplicate acks; 'rcvacktoomuch': Rcvd acks for unsent data; 'rcvackpack': Rcvd ack packets; 'rcvackbyte': Bytes acked by rcvd acks; 'rcvwinupd': Rcvd window update packets; 'pawsdrop': Segments dropped due to PAWS; 'predack': Hdr predict for acks; 'preddat': Hdr predict for data pkts; 'persistdrop': Timeout in persist state; 'badrst': Ignored RST; 'finwait2_drops': Drop FIN_WAIT_2 connection after time limit; 'sack_recovery_episode': SACK recovery episodes; 'sack_rexmits': SACK rexmit segments; 'sack_rexmit_bytes': SACK rexmit bytes; 'sack_rcv_blocks': SACK received; 'sack_send_blocks': SACK sent; 'sndcack': Challenge ACK sent; 'cacklim': Challenge ACK limited; 'reassmemdrop': Packet dropped during reassembly; 'reasstimeout': Reassembly Time Out; 'cc_idle': Congestion control window set do to idle; 'cc_reduce': Congestion control window reduced by event; 'rcvdsack': Rcvd DSACK packets; 'a2brcvwnd': ATCP to BTCP receive window; 'a2bsackpresent': ATCP to BTCP SACK options present; 'a2bdupack': ATCP to BTCP Dup/OO ACK; 'a2brxdata': ATCP to BTCP Rxmitted data; 'a2btcpoptions': ATCP to BTCP unsupported TCP options; 'a2boodata': ATCP to BTCP oo data received; 'a2bpartialack': ATCP to BTCP partial ack received; 'a2bfsmtransition': ATCP to BTCP state machine transition; 'a2btransitionnum': ATCP to BTCP total transitions; 'b2atransitionnum': ATCP to BTCP total transitions; 'bad_iochan': IO Channel Modified; 'atcpforward': Adaptive TCP forward; 'atcpsent': Adaptive TCP sent; 'atcprexmitsadrop': Adaptive TCP transmit SA drops; 'atcpsendbackack': Adaptive TCP sendback ACK; 'atcprexmit': Adaptive TCP retransmits; 'atcpbuffallocfail': Adaptive TCP buffer allocation fails; 'a2bappbuffering': Transition to full stack on when application buffers too much data; 'atcpsendfail': Adaptive TCP sent fails;

'earlyrexmit': Early Retransmission sent; 'mburstlim': Maxburst limited tx; 'a2bsndwnd': ATCP to BTCP send window; 'proxyheaderv1': Proxy header v1; 'proxyheaderv2': Proxy header v2;

Type: string

Supported Values: all, connattempt, connects, drops, conndrops, closed, segstimed, rttupdated, delack, timeoutdrop, rexmttimeo, persisttimeo, keeptimeo, keepprobe, keepdrops, sndtotal, sndpack, sndbyte, sndrexmitpack, sndrexmitbyte, sndrexmitbad, sndacks, sndprobe, sndurg, sndwinup, sndctrl, sndrst, sndfin, sndsyn, rcvtotal, rcvpack, rcvbyte, rcvbadoff, rcvmemdrop, rcvduppack, rcvdupbyte, rcvpartduppack, rcvpartdupbyte, rcvoopack, rcvoobyte, rcvpackafterwin, rcvbyteafterwin, rcvwinprobe, rcvdupack, rcvacktoomuch, rcvackpack, rcvackbyte, rcvwinupd, pawsdrop, predack, preddat, persistdrop, badrst, finwait2_drops, sack_recovery_episode, sack_rexmits, sack_rexmit_bytes, sack_rcv_blocks, sack_send_blocks, sndcack, cacklim, reassmemdrop, reasstimeout, cc_idle, cc_reduce, rcvdsack, a2brcvwnd, a2bsackpresent, a2bdupack, a2brxdata, a2btcpoptions, a2boodata, a2bpartialack, a2bfsmtransition, a2btransitionnum, b2atransitionnum, bad_iochan, atcpforward, atcpsent, atcprexmitsadrop, atcpsendbackack, atcprexmit, atcpbuffallocfail, a2bappbuffering, atcpsendfail, earlyrexmit, mburstlim, a2bsndwnd, proxyheaderv1, proxyheaderv2

delete-cpu-core

Specification	Value
Type	*object*

core-index

Description core index to be deleted (Specify core index)

Type: number

Range: 0-128

geoloc-name-helper

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geoloc-name-helper_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'place-holder': place-holder;

Type: string

Supported Values: all, place-holder

mfa-management

Specification	Value
Type	*object*

enable

Description Enable 2FA for management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shell-privileges

Specification	Value
Type	*object*

enable-shell-privileges

Description enable the shell privileges for a given customer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

link-capability

Specification	Value
Type	*object*

enable

Description Enable/Disable link capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

timeout-value

Specification	Value
Type	*object*

ftp

Description set timeout to stop ftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 120

http

Description set timeout to stop http transfer in seconds, 0 is no limit

Type: number

Range: 1-9999

Default: 120

https

Description set timeout to stop https transfer in seconds, 0 is no limit

Type: number

Range: 1-9999

Default: 120

scp

Description set timeout to stop scp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 300

sftp

Description set timeout to stop sftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

tftp

Description set timeout to stop tftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

asic-debug-dump

Specification	Value
Type	*object*

enable

Description Enable/Disable L2L3 ASIC traffic discard/drop events and Dump debug information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

shm-logging

Specification	Value
Type	*object*

enable

Description Enable shared memory based logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

port-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting

Specification	Value
Type	*object*

template-list

Type: List

Reference Object: */axapi/v3/system/resource-accounting/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting_template-list

Specification	Value
Type	*list*
Block object keys	

app-resources

Description: app-resources is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/app-resources*

name

Description Enter template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

network-resources

Description: network-resources is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/network-resources*

system-resources

Description: system-resources is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/system-resources*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting_template-list_app-resources

Specification	Value
Type	*object*

cache-template-cfg

Description: cache-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_cache-template-cfg*

Type: Object

client-ssl-template-cfg

Description: client-ssl-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_client-ssl-template-cfg*

Type: Object

conn-reuse-template-cfg

Description: conn-reuse-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_conn-reuse-template-cfg*

Type: Object

fast-tcp-template-cfg

Description: fast-tcp-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_fast-tcp-template-cfg*

Type: Object

fast-udp-template-cfg

Description: fast-udp-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_fast-udp-template-cfg*

Type: Object

fix-template-cfg

Description: fix-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_fix-template-cfg*

Type: Object

gslb-device-cfg

Description: gslb-device-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-device-cfg*

Type: Object

gslb-geo-location-cfg

Description: gslb-geo-location-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-geo-location-cfg*

Type: Object

gslb-ip-list-cfg

Description: gslb-ip-list-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-ip-list-cfg*

Type: Object

gslb-policy-cfg

Description: gslb-policy-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-policy-cfg*

Type: Object

gslb-service-cfg

Description: gslb-service-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-service-cfg*

Type: Object

gslb-service-ip-cfg

Description: gslb-service-ip-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-service-ip-cfg*

Type: Object

gslb-service-port-cfg

Description: gslb-service-port-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-service-port-cfg*

Type: Object

gslb-site-cfg

Description: gslb-site-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-site-cfg*

Type: Object

gslb-svc-group-cfg

Description: gslb-svc-group-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-svc-group-cfg*

Type: Object

gslb-template-cfg

Description: gslb-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-template-cfg*

Type: Object

gslb-zone-cfg

Description: gslb-zone-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_gslb-zone-cfg*

Type: Object

health-monitor-cfg

Description: health-monitor-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_health-monitor-cfg*

Type: Object

http-template-cfg

Description: http-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_http-template-cfg*

Type: Object

link-cost-template-cfg

Description: link-cost-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_link-cost-template-cfg*

Type: Object

pbslb-entry-cfg

Description: pbslb-entry-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_pbslb-entry-cfg*

Type: Object

persist-cookie-template-cfg

Description: persist-cookie-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_persist-cookie-template-cfg*

Type: Object

persist-srcip-template-cfg

Description: persist-srcip-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_persist-srcip-template-cfg*

Type: Object

proxy-template-cfg

Description: proxy-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_proxy-template-cfg*

Type: Object

real-port-cfg

Description: real-port-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_real-port-cfg*

Type: Object

real-server-cfg

Description: real-server-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_real-server-cfg*

Type: Object

server-ssl-template-cfg

Description: server-ssl-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_server-ssl-template-cfg*

Type: Object

service-group-cfg

Description: service-group-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_service-group-cfg*

Type: Object

stream-template-cfg

Description: stream-template-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_stream-template-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-cfg

Description: virtual-port-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_virtual-port-cfg*

Type: Object

virtual-server-cfg

Description: virtual-server-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_app-resources_virtual-server-cfg*

Type: Object

resource-accounting_template-list_app-resources_http-template-cfg

Specification	Value
Type	*object*

http-template-max

Description Enter the number of http-template allowed (http-template count (default is max-value))

Type: number

http-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_server-ssl-template-cfg

Specification	Value
Type	*object*

server-ssl-template-max

Description Enter the number of server-ssl-template allowed (server-ssl-template count (default is max-value))

Type: number

server-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-template-cfg

Specification	Value
Type	*object*

gslb-template-max

Description Enter the number of gslb-template allowed (gslb-template count (default is max-value))

Type: number

gslb-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_virtual-server-cfg

Specification	Value
Type	*object*

virtual-server-max

Description Enter the number of virtual-servers allowed (virtual-server count (default is max-value))

Type: number

virtual-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-service-port-cfg

Specification	Value
Type	*object*

gslb-service-port-max

Description Enter the number of gslb-service-port allowed (gslb-service-port count (default is max-value))

Type: number

gslb-service-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-site-cfg

Specification	Value
Type	*object*

gslb-site-max

Description Enter the number of gslb-site allowed (gslb-site count (default is max-value))

Type: number

gslb-site-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_proxy-template-cfg

Specification	Value
Type	*object*

proxy-template-max

Description Enter the number of proxy-template allowed (server-ssl-template count (default is max-value))

Type: number

proxy-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_real-server-cfg

Specification	Value
Type	*object*

real-server-max

Description Enter the number of real-servers allowed (real-server count (default is max-value))

Type: number

real-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_link-cost-template-cfg

Specification	Value
Type	*object*

link-cost-template-max

Description Enter the number of link-cost-template allowed (link-cost-template count (default is max-value))

Type: number

link-cost-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_client-ssl-template-cfg

Specification	Value
Type	*object*

client-ssl-template-max

Description Enter the number of client-ssl-template allowed (client-ssl-template count (default is max-value))

Type: number

client-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_health-monitor-cfg

Specification	Value
Type	*object*

health-monitor-max

Description Enter the number of health monitors allowed (health-monitor count (default is max-value))

Type: number

Range: 0-1023

health-monitor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-1023

Default: 0

resource-accounting_template-list_app-resources_gslb-zone-cfg

Specification	Value
Type	*object*

gslb-zone-max

Description Enter the number of gslb-zone allowed (gslb-zone count (default is max-value))

Type: number

gslb-zone-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_conn-reuse-template-cfg

Specification	Value
Type	*object*

conn-reuse-template-max

Description Enter the number of conn-reuse-template allowed (conn-reuse-template count (default is max-value))

Type: number

conn-reuse-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-policy-cfg

Specification	Value
Type	*object*

gslb-policy-max

Description Enter the number of gslb-policy allowed (gslb-policy count (default is max-value))

Type: number

gslb-policy-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-service-cfg

Specification	Value
Type	*object*

gslb-service-max

Description Enter the number of gslb-service allowed (gslb-service count (default is max-value)

Type: number

gslb-service-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-geo-location-cfg

Specification	Value
Type	*object*

gslb-geo-location-max

Description Enter the number of gslb-geo-location allowed (gslb-geo-location count (default is max-value))

Type: number

gslb-geo-location-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_cache-template-cfg

Specification	Value
Type	*object*

cache-template-max

Description Enter the number of cache-template allowed (cache-template count (default is max-value))

Type: number

cache-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_persist-cookie-template-cfg

Specification	Value
Type	*object*

persist-cookie-template-max

Description Enter the number of persist-cookie-template allowed (persist-cookie-template count (default is max-value))

Type: number

persist-cookie-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_fix-template-cfg

Specification	Value
Type	*object*

fix-template-max

Description Enter the number of fix-template allowed (fix-template count (default is max-value))

Type: number

fix-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_fast-tcp-template-cfg

Specification	Value
Type	*object*

fast-tcp-template-max

Description Enter the number of fast-tcp-template allowed (fast-tcp-template count (default is max-value))

Type: number

fast-tcp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_fast-udp-template-cfg

Specification	Value
Type	*object*

fast-udp-template-max

Description Enter the number of fast-udp-template allowed (fast-udp-template count (default is max-value))

Type: number

fast-udp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-service-ip-cfg

Specification	Value
Type	*object*

gslb-service-ip-max

Description Enter the number of gslb-service-ip allowed (gslb-service-ip count (default is max-value))

Type: number

gslb-service-ip-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-svc-group-cfg

Specification	Value
Type	*object*

gslb-svc-group-max

Description Enter the number of gslb-svc-group allowed (gslb-svc-group count (default is max-value))

Type: number

gslb-svc-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_virtual-port-cfg

Specification	Value
Type	*object*

virtual-port-max

Description Enter the number of virtual-port allowed (virtual-port count (default is max-value))

Type: number

virtual-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_service-group-cfg

Specification	Value
Type	*object*

service-group-max

Description Enter the number of service groups allowed (service-group count (default is max-value))

Type: number

service-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_pbslb-entry-cfg

Specification	Value
Type	*object*

pbslb-entry-max

Description Enter the number of pbslb-entry allowed (pbslb-entry count)

Type: number

pbslb-entry-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-device-cfg

Specification	Value
Type	*object*

gslb-device-max

Description Enter the number of gslb-device allowed (gslb-device count (default is max-value))

Type: number

gslb-device-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_persist-srcip-template-cfg

Specification	Value
Type	*object*

persist-srcip-template-max

Description Enter the number of persist-srcip-template allowed (persist-source-ip-template count (default is max-value))

Type: number

persist-srcip-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_stream-template-cfg

Specification	Value
Type	*object*

stream-template-max

Description Enter the number of stream-template allowed (server-ssl-template count (default is max-value))

Type: number

stream-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_real-port-cfg

Specification	Value
Type	*object*

real-port-max

Description Enter the number of real-ports allowed (real-port count (default is max-value))

Type: number

real-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_app-resources_gslb-ip-list-cfg

Specification	Value
Type	*object*

gslb-ip-list-max

Description Enter the number of gslb-ip-list allowed (gslb-ip-list count (default is max-value))

Type: number

gslb-ip-list-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_system-resources

Specification	Value
Type	*object*

bw-limit-cfg

Description: bw-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_bw-limit-cfg*

Type: Object

concurrent-session-limit-cfg

Description: concurrent-session-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_concurrent-session-limit-cfg*

Type: Object

fwcps-limit-cfg

Description: fwcps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_fwcps-limit-cfg*

Type: Object

l4-session-limit-cfg

Description: l4-session-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_l4-session-limit-cfg*

Type: Object

l4cps-limit-cfg

Description: l4cps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_l4cps-limit-cfg*

Type: Object

l7cps-limit-cfg

Description: l7cps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_l7cps-limit-cfg*

Type: Object

natcps-limit-cfg

Description: natcps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_natcps-limit-cfg*

Type: Object

ssl-throughput-limit-cfg

Description: ssl-throughput-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_ssl-throughput-limit-cfg*

Type: Object

sslcps-limit-cfg

Description: sslcps-limit-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_system-resources_sslcps-limit-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting_template-list_system-resources_l4-session-limit-cfg

Specification	Value
Type	*object*

l4-session-limit-max

Description Enter the l4 session limit in % (0.01% to 99.99%) (Enter a number from 0.01 to 99.99 (up to 2 digits precision))

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

l4-session-limit-min-guarantee

Description minimum guaranteed value in % (up to 2 digits precision) (Enter a number from 0 to 99.99)

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

Default: 0

resource-accounting_template-list_system-resources_l7cps-limit-cfg

Specification	Value
Type	*object*

l7cps-limit-max

Description L7cps-limit (L7 cps limit (no limits applied by default))

Type: number

Range: 100-300000

resource-accounting_template-list_system-resources_l4cps-limit-cfg

Specification	Value
Type	*object*

l4cps-limit-max

Description Enter the L4 cps limit (L4 cps limit (no limits applied by default))

Type: number

Range: 100-1000000

resource-accounting_template-list_system-resources_natcps-limit-cfg

Specification	Value
Type	*object*

natcps-limit-max

Description Enter the Nat cps limit (NAT cps limit (no limits applied by default))

Type: number

Range: 100-1000000

resource-accounting_template-list_system-resources_sslcps-limit-cfg

Specification	Value
Type	*object*

sslcps-limit-max

Description Enter the SSL cps limit (SSL cps limit (no limits applied by default))

Type: number

Range: 100-300000

resource-accounting_template-list_system-resources_fwcps-limit-cfg

Specification	Value
Type	*object*

fwcps-limit-max

Description Enter the Firewall cps limit (Firewall cps limit (no limits applied by default))

Type: number

Range: 100-1000000

resource-accounting_template-list_system-resources_ssl-throughput-limit-cfg

Specification	Value
Type	*object*

ssl-throughput-limit-max

Description Enter the ssl throughput limit in mbps (SSL Througput limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

ssl-throughput-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-accounting_template-list_system-resources_bw-limit-cfg

Specification	Value
Type	*object*

bw-limit-max

Description Enter the bandwidth limit in mbps (Bandwidth limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

bw-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

resource-accounting_template-list_system-resources_concurrent-session-limit-cfg

Specification	Value
Type	*object*

concurrent-session-limit-max

Description Enter the Concurrent Session limit (cps) (Concurrent-Session cps limit (no limits applied by default))

Type: number

resource-accounting_template-list_network-resources

Specification	Value
Type	*object*

ipv4-acl-line-cfg

Description: ipv4-acl-line-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_ipv4-acl-line-cfg*

Type: Object

ipv6-acl-line-cfg

Description: ipv6-acl-line-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_ipv6-acl-line-cfg*

Type: Object

object-group-cfg

Description: object-group-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_object-group-cfg*

Type: Object

object-group-clause-cfg

Description: object-group-clause-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_object-group-clause-cfg*

Type: Object

static-arp-cfg

Description: static-arp-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-arp-cfg*

Type: Object

static-ipv4-route-cfg

Description: static-ipv4-route-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-ipv4-route-cfg*

Type: Object

static-ipv6-route-cfg

Description: static-ipv6-route-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-ipv6-route-cfg*

Type: Object

static-mac-cfg

Description: static-mac-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-mac-cfg*

Type: Object

static-neighbor-cfg

Description: static-neighbor-cfg is a **JSON Block**. Please see below for *resource-accounting_template-list_network-resources_static-neighbor-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

resource-accounting_template-list_network-resources_static-ipv6-route-cfg

Specification	Value
Type	*object*

static-ipv6-route-max

Description Enter the number of static ipv6 routes allowed (Static ipv6 routes (default is max-value))

Type: number

static-ipv6-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_network-resources_object-group-clause-cfg

Specification	Value
Type	*object*

object-group-clause-max

Description Enter the number of object group clauses allowed (Object group clauses (default is max-value))

Type: number

Range: 0-8192000

object-group-clause-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8192000

Default: 0

resource-accounting_template-list_network-resources_static-ipv4-route-cfg

Specification	Value
Type	*object*

static-ipv4-route-max

Description Enter the number of static ipv4 routes allowed (Static ipv4 routes (default is max-value))

Type: number

static-ipv4-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

resource-accounting_template-list_network-resources_static-arp-cfg

Specification	Value
Type	*object*

static-arp-max

Description Enter the number of static arp entries allowed (Static arp (default is max-value))

Type: number

Range: 0-128

static-arp-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

resource-accounting_template-list_network-resources_ipv4-acl-line-cfg

Specification	Value
Type	*object*

ipv4-acl-line-max

Description Enter the number of ACL lines allowed (IPV4 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv4-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

resource-accounting_template-list_network-resources_static-mac-cfg

Specification	Value
Type	*object*

static-mac-max

Description Enter the number of static MAC entries allowed (Static MACs (default is max-value))

Type: number

Range: 0-500

static-mac-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-500

Default: 0

resource-accounting_template-list_network-resources_ipv6-acl-line-cfg

Specification	Value
Type	*object*

ipv6-acl-line-max

Description Enter the number of ACL lines allowed (IPV6 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv6-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

resource-accounting_template-list_network-resources_static-neighbor-cfg

Specification	Value
Type	*object*

static-neighbor-max

Description Enter the number of static neighbor entries allowed (Static neighbors (default is max-value))

Type: number

Range: 0-128

static-neighbor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

resource-accounting_template-list_network-resources_object-group-cfg

Specification	Value
Type	*object*

object-group-max

Description Enter the number of object groups allowed (Object group (default is max-value))

Type: number

Range: 0-8000

object-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8000

Default: 0

hardware

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fpga-drop

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fpga-drop_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'mrx-drop': Total MRX Drop; 'hrx-drop': Total HRX Drop; 'siz-drop': Total Size Drop; 'fcs-drop': Total FCS Drop; 'land-drop': Total LAND Attack Drop; 'empty-frag-drop': Total Empty frag Drop; 'mic-frag-drop': Total Micro frag Drop; 'ipv4-opt-drop': Total IPv4 opt Drop; 'ipv4-frag': Total IP frag Drop; 'bad-ip-hdr-len': Total Bad IP hdr len Drop; 'bad-ip-flags-drop': Total Bad IP Flags Drop; 'bad-ip-ttl-drop': Total Bad IP TTL Drop; 'no-ip-payload-drop': Total No IP Payload Drop; 'oversize-ip-payload': Total Oversize IP PL Drop; 'bad-ip-payload-len': Total Bad IP PL len Drop; 'bad-ip-frag-offset': Total Bad IP frag off Drop; 'bad-ip-chksum-drop': Total Bad IP csum Drop; 'icmp-pod-drop': Total ICMP POD Drop; 'tcp-bad-urg-offet': Total TCP bad urg off Drop; 'tcp-short-hdr': Total TCP short hdr Drop; 'tcp-bad-ip-len': Total TCP Bad IP Len Drop; 'tcp-null-flags': Total TCP null flags Drop; 'tcp-null-scan': Total TCP null scan Drop; 'tcp-fin-sin': Total TCP SYN&FIN Drop; 'tcp-xmas-flags': Total TCP XMAS FLAGS Drop; 'tcp-xmas-scan': Total TCP XMAS scan Drop; 'tcp-syn-frag': Total TCP SYN frag Drop; 'tcp-frag-hdr': Total TCP frag header Drop; 'tcp-bad-chksum': Total TCP bad csum Drop; 'udp-short-hdr': Total UDP short hdr Drop; 'udp-bad-ip-len': Total UDP bad leng Drop; 'udp-kb-frags': Total UDP KB frag Drop; 'udp-port-lb': Total UDP port LB Drop; 'udp-bad-chksum': Total UDP bad csum Drop; 'runt-ip-hdr': Total Runt IP hdr Drop; 'runt-tcpudp-hdr': Total Runt TCPUDP hdr Drop; 'tun-mismatch': Total Tun mismatch Drop; 'qdr-drop': Total QDR Drop;

Type: string

Supported Values: all, mrx-drop, hrx-drop, siz-drop, fcs-drop, land-drop, empty-frag-drop, mic-frag-drop, ipv4-opt-drop, ipv4-frag, bad-ip-hdr-len, bad-ip-flags-drop, bad-ip-ttl-drop, no-ip-payload-drop, oversize-ip-payload, bad-ip-payload-len, bad-ip-frag-offset, bad-ip-chksum-drop, icmp-pod-drop, tcp-bad-urg-offet, tcp-short-hdr, tcp-bad-ip-len, tcp-null-flags, tcp-null-scan, tcp-fin-sin, tcp-xmas-flags, tcp-xmas-scan, tcp-syn-frag, tcp-frag-hdr, tcp-bad-chksum, udp-short-hdr, udp-bad-ip-len, udp-kb-frags, udp-port-lb, udp-bad-chksum, runt-ip-hdr, runt-tcpudp-hdr, tun-mismatch, qdr-drop

memory-block-debug

Specification	Value
Type	*object*

assert-block

Description Over size block allocation (Assert memory block over size (default: 16384))

Type: number

Range: 65536-1048576

Default: 65536

first-blk

Description First memory block ascending order (default: 2048) (Memory blocks 32,64,128,256,512,1K,2K,4K,8K,16K)

Type: number

Range: 32-1048576

Default: 8192

fourth-blk

Description Fourth memory block (default: 16384) (Memory blocks 32,64,128,256,512,1K,2K,4K,8K,16K)

Type: number

Range: 32-1048576

Default: 65536

pktdump-block

Description Enable pktdump Oversize block request packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

second-blk

Description Second memory block (default: 4096) (Memory blocks 32,64,128,256,512,1K,2K,4K,8K,16K)

Type: number

Range: 32-1048576

Default: 16384

third-blk

Description Third memory block (default: 8192) (Memory blocks 32,64,128,256,512,1K,2K,4K,8K,16K)

Type: number

Range: 32-1048576

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

guest-file

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

high-memory-l4-session

Specification	Value
Type	*object*

enable

Description Enable/Disable high memory l4 session support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

per-vlan-limit

Specification	Value
Type	*object*

bcast

Description broadcast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

ipmcast

Description IP multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

mcast

Description multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

unknown-ucast

Description unknown unicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cosq-show

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

health-check-list

Specification	Value
Type	*list*
Block object keys	

l2bfd-multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval (default: 4))

Type: number

Range: 3-50

l2bfd-rx-interval

Description Minimum receive interval capability (Milliseconds (default: 800))

Type: number

Range: 48-1000

l2bfd-tx-interval

Description Transmit interval between BFD packets

Type: number

Range: 48-1000

l2hm-hc-name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

method-l2bfd

Description Method is l2bfd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syslog-time-msec

Specification	Value
Type	*object*

enable-flag

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ipmi-service

Specification	Value
Type	*object*

disable

Description Disable IPMI on platform

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

data-cpu

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-cache

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dns-cache_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_q': Total query; 'total_r': Total server response; 'hit': Total cache hit; 'bad_q': Query not passed; 'encode_q': Query encoded; 'multiple_q': Query with multiple questions; 'oversize_q': Query exceed cache size; 'bad_r': Response not passed; 'oversize_r': Response exceed cache size; 'encode_r': Response encoded; 'multiple_r': Response with multiple questions; 'answer_r': Response with multiple answers; 'ttl_r': Response with

short TTL; 'ageout': Total aged out; 'bad_answer': Bad Answer; 'ageout_weight': Total aged for lower weight; 'total_log': Total stats log sent; 'total_alloc': Total allocated; 'total_freed': Total freed; 'current_allocate': Current allocate; 'current_data_allocate': Current data allocate; 'resolver_queue_full': Resolver task queue full; 'truncated_r': Response with Truncation bit set;

Type: string

Supported Values: all, total_q, total_r, hit, bad_q, encode_q, multiple_q, oversize_q, bad_r, oversize_r, encode_r, multiple_r, answer_r, ttl_r, ageout, bad_answer, ageout_weight, total_log, total_alloc, total_freed, current_allocate, current_data_allocate, resolver_queue_full, truncated_r, qps, hit_rate_per_sec

set-tcp-syn-per-sec

Specification	Value
Type	*object*

tcp-syn-value

Description Configure Tcp SYN's per sec, default 70

Type: number

Range: 25-6000

Default: 70

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fw

Specification	Value
Type	*object*

application-flow

Description Number of flows

Type: number

application-mempool

Description Enable application memory pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-dpi-enable

Description Enable basic dpi

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ip-dns-cache

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-template

Specification	Value
Type	*object*

link-block-as-down

Description: link-block-as-down is a **JSON Block**. Please see below for *mon-template_link-block-as-down*

Type: Object

Reference Object: */axapi/v3/system/mon-template/link-block-as-down*

link-down-on-restart

Description: link-down-on-restart is a **JSON Block**. Please see below for *mon-template_link-down-on-restart*

Type: Object

Reference Object: */axapi/v3/system/mon-template/link-down-on-restart*

monitor-list

Type: List

Reference Object: */axapi/v3/system/mon-template/monitor/{id}*

mon-template_link-down-on-restart

Specification	Value
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-template_monitor-list

Specification	Value
Type	*list*
Block object keys	

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

mon-template_monitor-list_clear-cfg

Specification	Value
Type	*list*
Block object keys	

clear-all-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-all-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

mon-template_monitor-list_link-enable-cfg

Specification	Value
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

mon-template_monitor-list_link-up-cfg

Specification	Value
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the sequece number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

mon-template_monitor-list_link-down-cfg

Specification	Value
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the seqeuence number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

mon-template_monitor-list_link-disable-cfg

Specification	Value
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

mon-template_link-block-as-down

Specification	Value
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

job-offload

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

job-offload_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'jobs': Current Jobs; 'submit': Jobs Submitted; 'receive': Jobs Received; 'execute': Jobs Executed; 'snt_home': Jobs Sent Back Home; 'rcv_home': Jobs Received Home; 'complete': Jobs Completed; 'fail_submit': Jobs Failed to Submit; 'q_no_space': No More Space in Q; 'fail_execute': Failed to Execute Job; 'fail_complete': Failed to Complete Job;

Type: string

Supported Values: all, jobs, submit, receive, execute, snt_home, rcv_home, complete, fail_submit, q_no_space, fail_execute, fail_complete

dpdk-stats

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

dpdk-stats_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkt-drop': Total packet drop; 'pkt-lnk-down-drop': Total packets link down drop; 'err-pkt-drop': Total error packet drop; 'rx-err': Total RX packet error; 'tx-err': Total TX packet error; 'tx-drop': Total TX packet drop; 'rx-len-err': Total RX packet length error; 'rx-over-err': Total RX packet over error; 'rx-crc-err': Total RX packet CRC error; 'rx-frame-err': Total RX packet frame error; 'rx-no-buff-err': Total RX packet no buffer error; 'rx-miss-err': Total RX packet miss error; 'tx-abort-err': Total TX packet abort error; 'tx-carrier-err': Total TX packert carrier error; 'tx-fifo-err': Total TX packet fifo error; 'tx-hbeat-err': Total TX packet HBEAT error; 'tx-windows-err': Total TX windows error; 'rx-long-len-err': Total RX packet long length error; 'rx-short-len-err': Total RX packet short length error; 'rx-align-err': Total RX packet align error; 'rx-csum-offload-err': Total Rx packet check-sum offload error; 'io-rx-que-drop': Total IO core Rx queue drop; 'io-tx-que-drop': Total IO core TX queue drop; 'io-ring-drop': Total IO core ring drop; 'w-tx-que-drop': Total worker core queue drop; 'w-link-down-drop': Total worker core link down drop; 'w-ring-drop': Total worker core ring drop;

Type: string

Supported Values: all, pkt-drop, pkt-lnk-down-drop, err-pkt-drop, rx-err, tx-err, tx-drop, rx-len-err, rx-over-err, rx-crc-err, rx-frame-err, rx-no-buff-err, rx-miss-err, tx-abort-err, tx-carrier-err, tx-fifo-err, tx-hbeat-err, tx-windows-err, rx-long-len-err, rx-short-len-err, rx-align-err, rx-csum-offload-err, io-rx-que-drop, io-tx-que-drop, io-ring-drop, w-tx-que-drop, w-link-down-drop, w-ring-drop

geoloc

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geoloc_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'place-holder': place-holder;

Type: string

Supported Values: all, place-holder

mfa-cert-store

Specification	Value
Type	*object*

cert-host

Description Configure certificate store host

Type: string

Format: host

cert-store-path

Description Configure certificate store path

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

passwd-string

Description Certificate store host password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

protocol

Description 'tftp': Use tftp for connection; 'ftp': Use ftp for connection; 'scp': Use scp for connection; 'http': Use http for connection; 'https': Use https for connection; 'sftp': Use sftp for connection;

Type: string

Supported Values: tftp, ftp, scp, http, https, sftp

username

Description Certificate store host username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

upgrade-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp-rate_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'over_limit_drop': Over limit drops; 'limit_intf_drop': Interfaces rate limit drops; 'limit_vserver_drop': Virtual Server rate limit drops; 'limit_total_drop': Total rate limit drops; 'lockup_time_left': Lockup time left; 'curr_rate': Current rate; 'v6_over_limit_drop': Over limit drops (v6); 'v6_limit_intf_drop': Interfaces rate limit drops (v6); 'v6_limit_vserver_drop': Virtual Server rate limit drops (v6); 'v6_limit_total_drop': Total rate limit drops (v6); 'v6_lockup_time_left': Lockup time left (v6); 'v6_curr_rate': Current rate (v6);

Type: string

Supported Values: all, over_limit_drop, limit_intf_drop, limit_vserver_drop, limit_total_drop, lockup_time_left, curr_rate, v6_over_limit_drop, v6_limit_intf_drop, v6_limit_vserver_drop, v6_limit_total_drop, v6_lockup_time_left, v6_curr_rate

set-rxtx-desc-size

Specification	Value
Type	*object*

port-index

Description port index to be configured (Specify port index)

Type: number

Range: 0-32

rxd-size

Description Set new rx-descriptor size

Type: number

Range: 0-65536

txd-size

Description Set new tx-descriptor size

Type: number

Range: 0-65536

all-vlan-limit

Specification	Value
Type	*object*

bcast

Description broadcast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

ipmcast

Description IP multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

mcast

Description multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

unknown-ucast

Description unknown unicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp6

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

icmp6_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'in_msgs': In messages; 'in_errors': In Errors; 'in_dest_un_reach': In Destunation Unreachable; 'in_pkt_too_big': In Packet too big; 'in_time_exceeds': In TTL Exceeds; 'in_param_prob': In Parameter Problem; 'in_echoes': In Echo requests; 'in_exho_reply': In Echo replies; 'in_grp_mem_query': In Group member query; 'in_grp_mem_resp': In Group member reply; 'in_grp_mem_reduction': In Group member reduction; 'in_router_sol': In Router solicitation; 'in_ra': In Router advertisement; 'in_ns': In neighbor solicitation; 'in_na': In neighbor advertisement; 'in_redirect': In Redirects; 'out_msg': Out Messages; 'out_dst_un_reach': Out Destination Unreachable; 'out_pkt_too_big': Out Packet too big; 'out_time_exceeds': Out TTL Exceeds; 'out_param_prob': Out Parameter Problem; 'out_echo_req': Out Echo requests; 'out_echo_replies': Out Echo replies; 'out_rs': Out Router solicitation; 'out_ra': Out Router advertisement; 'out_ns': Out neighbor solicitation; 'out_na': Out neighbor advertisement; 'out_redirects': Out Redirects; 'out_mem_resp': Out Group member reply; 'out_mem_reductions': Out Group member reduction; 'err_rs': Error Router solicitation; 'err_ra': Error Router advertisement; 'err_ns': Error Neighbor solicitation; 'err_na': Error Neighbor advertisement; 'err_redirects': Error Redirects; 'err_echoes': Error Echo requests; 'err_echo_replies': Error Echo replies;

Type: string

Supported Values: all, in_msgs, in_errors, in_dest_un_reach, in_pkt_too_big, in_time_exceeds, in_param_prob, in_echoes, in_exho_reply, in_grp_mem_query, in_grp_mem_resp, in_grp_mem_reduction, in_router_sol, in_ra, in_ns, in_na, in_redirect, out_msg, out_dst_un_reach, out_pkt_too_big, out_time_exceeds, out_param_prob, out_echo_req, out_echo_replies, out_rs, out_ra, out_ns, out_na, out_redirects, out_mem_resp, out_mem_reductions, err_rs, err_ra, err_ns, err_na, err_redirects, err_echoes, err_echo_replies

psu-info

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

table-integrity

Specification	Value
Type	*object*

audit-action

Description 'enable': Enable table integrity audit; 'disable': Disable table integrity audit;

Type: string

Supported Values: enable, disable

Default: enable

auto-sync-action

Description 'enable': Enable auto-sync; 'disable': Disable auto-sync;

Type: string

Supported Values: enable, disable

Default: enable

sampling-enable

Type: List

table

Description 'all': All tables;

Type: string

Supported Values: all

Default: all

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

table-integrity_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'arp-tbl-sync-start-ts-m-1st': arp table sync start time stamp master; 'nd6-tbl-sync-start-ts-m-1st': nd6 table sync start time stamp master; 'ipv4-fib-tbl-sync-start-ts-m-1st': ipv4-fib table sync start time stamp master; 'ipv6-fib-tbl-sync-start-ts-m-1st': ipv6-fib table sync start time stamp master; 'mac-tbl-sync-start-ts-m-1st': mac table sync start time stamp master; 'arp-tbl-sync-start-ts-b-1st': arp table sync start time stamp blade; 'nd6-tbl-sync-start-ts-b-1st': nd6 table sync start time stamp blade; 'ipv4-fib-tbl-sync-start-ts-b-1st': ipv4-fib table sync start time stamp blade; 'ipv6-fib-tbl-sync-start-ts-b-1st': ipv6-fib table sync start time stamp blade; 'mac-tbl-sync-start-ts-b-1st': mac table sync start time stamp blade; 'arp-tbl-sync-entries-sent-m-1st': arp table entries sent from master for T0 synchronization; 'nd6-tbl-sync-entries-sent-m-1st': nd6 table entries sent from master for T0 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-1st': ipv4-fib table entries sent from master for T0 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-1st': ipv6-fib table entries sent from master for T0 synchronization; 'mac-tbl-sync-entries-sent-m-1st': mac table entries sent from master for T0 synchronization; 'arp-tbl-sync-entries-rcvd-b-1st': arp table entries received on blade for T0 synchronization; 'nd6-tbl-sync-entries-rcvd-b-1st': nd6 table entries received on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-1st': ipv4-fib table entries received on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-1st': ipv6-fib table entries received on blade for T0 synchronization; 'mac-tbl-sync-entries-rcvd-b-1st': mac table entries received on blade for T0 synchronization; 'arp-tbl-sync-entries-added-b-1st': arp table entries added on blade for T0 synchronization; 'nd6-tbl-sync-entries-added-b-1st': nd6 table entries added on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-1st': ipv4-fib table entries added on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-1st': ipv6-fib table entries added on blade for T0 synchronization; 'mac-tbl-sync-entries-added-b-1st': mac table entries added on blade for T0 synchronization; 'arp-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'nd6-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'mac-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'arp-tbl-sync-end-ts-m-1st': arp table sync end time stamp master for T0 synchronization; 'nd6-tbl-sync-end-ts-m-1st': nd6 table sync end time stamp master for T0 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-1st': ipv4-fib table sync end time stamp master for T0 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-1st': ipv6-fib table sync end time stamp master for T0 synchronization; 'mac-tbl-sync-end-ts-m-1st': mac table sync end time stamp master for T0 synchronization; 'arp-tbl-sync-end-ts-b-1st': arp table sync end time stamp blade for T0 synchronization; 'nd6-tbl-sync-end-ts-b-1st': nd6 table sync end time stamp blade for T0 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-1st': ipv4-fib table sync end time stamp blade for T0 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-1st': ipv6-fib table sync end time stamp blade for T0 synchronization; 'mac-tbl-sync-end-ts-b-1st': mac table sync end time stamp blade for T0 synchronization; 'arp-tbl-sync-start-ts-m-2nd': arp table sync start time stamp master for T-1 synchronization; 'nd6-tbl-sync-start-ts-m-2nd': nd6 table sync start time stamp master for T-1 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-2nd': ipv4-fib table sync start time stamp master for T-1 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-2nd': ipv6-fib table sync start time stamp master for T-1 synchronization; 'mac-tbl-sync-start-ts-m-2nd': mac table sync start time stamp master for T-1 synchronization; 'arp-tbl-sync-start-ts-b-2nd': arp table sync start time stamp blade for T-1 synchronization;

‘nd6-tbl-sync-start-ts-b-2nd’: nd6 table sync start time stamp blade for T-1 synchronization; ‘ipv4-fib-tbl-sync-start-ts-b-2nd’: ipv4-fib table sync start time stamp blade for T-1 synchronization; ‘ipv6-fib-tbl-sync-start-ts-b-2nd’: ipv6-fib table sync start time stamp blade for T-1 synchronization; ‘mac-tbl-sync-start-ts-b-2nd’: mac table sync start time stamp blade for T-1 synchronization; ‘arp-tbl-sync-entries-sent-m-2nd’: arp table entries sent from master for T-1 synchronization; ‘nd6-tbl-sync-entries-sent-m-2nd’: nd6 table entries sent from master for T-1 synchronization; ‘ipv4-fib-tbl-sync-entries-sent-m-2nd’: ipv4-fib table entries sent from master for T-1 synchronization; ‘ipv6-fib-tbl-sync-entries-sent-m-2nd’: ipv6-fib table entries sent from master for T-1 synchronization; ‘mac-tbl-sync-entries-sent-m-2nd’: mac table entries sent from master for T-1 synchronization; ‘arp-tbl-sync-entries-rcvd-b-2nd’: arp table entries received in blade for T-1 synchronization; ‘nd6-tbl-sync-entries-rcvd-b-2nd’: nd6 table entries received in blade for T-1 synchronization; ‘ipv4-fib-tbl-sync-entries-rcvd-b-2nd’: ipv4-fib table entries received in blade for T-1 synchronization; ‘ipv6-fib-tbl-sync-entries-rcvd-b-2nd’: ipv6-fib table entries received in blade for T-1 synchronization; ‘mac-tbl-sync-entries-rcvd-b-2nd’: mac table entries received in blade for T-1 synchronization; ‘arp-tbl-sync-entries-added-b-2nd’: arp table entries added in blade for T-1 synchronization; ‘nd6-tbl-sync-entries-added-b-2nd’: nd6 table entries added in blade for T-1 synchronization; ‘ipv4-fib-tbl-sync-entries-added-b-2nd’: ipv4-fib table entries added in blade for T-1 synchronization; ‘ipv6-fib-tbl-sync-entries-added-b-2nd’: ipv6-fib table entries added in blade for T-1 synchronization; ‘mac-tbl-sync-entries-added-b-2nd’: mac table entries added in blade for T-1 synchronization; ‘arp-tbl-sync-entries-removed-b-2nd’: arp table entries removed in blade for T-1 synchronization; ‘nd6-tbl-sync-entries-removed-b-2nd’: nd6 table entries removed in blade for T-1 synchronization; ‘ipv4-fib-tbl-sync-entries-removed-b-2nd’: ipv4-fib table entries removed in blade for T-1 synchronization; ‘ipv6-fib-tbl-sync-entries-removed-b-2nd’: ipv6-fib table entries removed in blade for T-1 synchronization; ‘mac-tbl-sync-entries-removed-b-2nd’: mac table entries removed in blade for T-1 synchronization; ‘arp-tbl-sync-end-ts-m-2nd’: arp table sync end time stamp master for T-1 synchronization; ‘nd6-tbl-sync-end-ts-m-2nd’: nd6 table sync end time stamp master for T-1 synchronization; ‘ipv4-fib-tbl-sync-end-ts-m-2nd’: ipv4-fib table sync end time stamp master for T-1 synchronization; ‘ipv6-fib-tbl-sync-end-ts-m-2nd’: ipv6-fib table sync end time stamp master for T-1 synchronization; ‘mac-tbl-sync-end-ts-m-2nd’: mac table sync end time stamp master for T-1 synchronization; ‘arp-tbl-sync-end-ts-b-2nd’: arp table sync end time stamp blade for T-1 synchronization; ‘nd6-tbl-sync-end-ts-b-2nd’: nd6 table sync end time stamp blade for T-1 synchronization; ‘ipv4-fib-tbl-sync-end-ts-b-2nd’: ipv4-fib table sync end time stamp blade for T-1 synchronization; ‘ipv6-fib-tbl-sync-end-ts-b-2nd’: ipv6-fib table sync end time stamp blade for T-1 synchronization; ‘mac-tbl-sync-end-ts-b-2nd’: mac table sync end time stamp blade for T-1 synchronization; ‘arp-tbl-sync-start-ts-m-3rd’: arp table sync start time stamp master for T-2 synchronization; ‘nd6-tbl-sync-start-ts-m-3rd’: nd6 table sync start time stamp master for T-2 synchronization;

Type: string

Supported Values: all, arp-tbl-sync-start-ts-m-1st, nd6-tbl-sync-start-ts-m-1st, ipv4-fib-tbl-sync-start-ts-m-1st, ipv6-fib-tbl-sync-start-ts-m-1st, mac-tbl-sync-start-ts-m-1st, arp-tbl-sync-start-ts-b-1st, nd6-tbl-sync-start-ts-b-1st, ipv4-fib-tbl-sync-start-ts-b-1st, ipv6-fib-tbl-sync-start-ts-b-1st, mac-tbl-sync-start-ts-b-1st, arp-tbl-sync-entries-sent-m-1st, nd6-tbl-sync-entries-sent-m-1st, ipv4-fib-tbl-sync-entries-sent-m-1st, ipv6-fib-tbl-sync-entries-sent-m-1st, mac-tbl-sync-entries-sent-m-1st, arp-tbl-sync-entries-rcvd-b-1st, nd6-tbl-sync-entries-rcvd-b-1st, ipv4-fib-tbl-sync-entries-rcvd-b-1st, ipv6-fib-tbl-sync-entries-rcvd-b-1st, mac-tbl-sync-entries-rcvd-b-1st, arp-tbl-sync-entries-added-b-1st, nd6-tbl-sync-entries-added-b-1st, ipv4-fib-tbl-sync-entries-added-b-1st, ipv6-fib-tbl-sync-entries-added-b-1st, mac-tbl-sync-entries-added-b-1st, arp-tbl-sync-entries-removed-b-1st, nd6-tbl-sync-entries-removed-b-1st, ipv4-fib-tbl-sync-entries-removed-b-1st, ipv6-fib-tbl-sync-entries-removed-b-1st, mac-tbl-sync-entries-removed-b-1st, arp-tbl-sync-end-ts-m-1st, nd6-tbl-sync-end-ts-m-1st, ipv4-fib-tbl-sync-end-ts-m-1st, ipv6-fib-tbl-sync-end-ts-m-1st, mac-tbl-sync-end-ts-m-1st, arp-tbl-sync-end-ts-b-1st, nd6-tbl-sync-end-ts-b-1st, ipv4-fib-tbl-sync-end-ts-b-1st, ipv6-fib-tbl-sync-

end-ts-b-1st, mac-tbl-sync-end-ts-b-1st, arp-tbl-sync-start-ts-m-2nd, nd6-tbl-sync-start-ts-m-2nd, ipv4-fib-tbl-sync-start-ts-m-2nd, ipv6-fib-tbl-sync-start-ts-m-2nd, mac-tbl-sync-start-ts-m-2nd, arp-tbl-sync-start-ts-b-2nd, nd6-tbl-sync-start-ts-b-2nd, ipv4-fib-tbl-sync-start-ts-b-2nd, ipv6-fib-tbl-sync-start-ts-b-2nd, mac-tbl-sync-start-ts-b-2nd, arp-tbl-sync-entries-sent-m-2nd, nd6-tbl-sync-entries-sent-m-2nd, ipv4-fib-tbl-sync-entries-sent-m-2nd, ipv6-fib-tbl-sync-entries-sent-m-2nd, mac-tbl-sync-entries-sent-m-2nd, arp-tbl-sync-entries-rcvd-b-2nd, nd6-tbl-sync-entries-rcvd-b-2nd, ipv4-fib-tbl-sync-entries-rcvd-b-2nd, ipv6-fib-tbl-sync-entries-rcvd-b-2nd, mac-tbl-sync-entries-rcvd-b-2nd, arp-tbl-sync-entries-added-b-2nd, nd6-tbl-sync-entries-added-b-2nd, ipv4-fib-tbl-sync-entries-added-b-2nd, ipv6-fib-tbl-sync-entries-added-b-2nd, mac-tbl-sync-entries-added-b-2nd, arp-tbl-sync-entries-removed-b-2nd, nd6-tbl-sync-entries-removed-b-2nd, ipv4-fib-tbl-sync-entries-removed-b-2nd, ipv6-fib-tbl-sync-entries-removed-b-2nd, mac-tbl-sync-entries-removed-b-2nd, arp-tbl-sync-end-ts-m-2nd, nd6-tbl-sync-end-ts-m-2nd, ipv4-fib-tbl-sync-end-ts-m-2nd, ipv6-fib-tbl-sync-end-ts-m-2nd, mac-tbl-sync-end-ts-m-2nd, arp-tbl-sync-end-ts-b-2nd, nd6-tbl-sync-end-ts-b-2nd, ipv4-fib-tbl-sync-end-ts-b-2nd, ipv6-fib-tbl-sync-end-ts-b-2nd, mac-tbl-sync-end-ts-b-2nd, arp-tbl-sync-start-ts-m-3rd, nd6-tbl-sync-start-ts-m-3rd

counters2

Description 'ipv4-fib-tbl-sync-start-ts-m-3rd': ipv4-fib table sync start time stamp master for T-2 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-3rd': ipv6-fib table sync start time stamp master for T-2 synchronization; 'mac-tbl-sync-start-ts-m-3rd': mac table sync start time stamp master for T-2 synchronization; 'arp-tbl-sync-start-ts-b-3rd': arp table sync start time stamp blade for T-2 synchronization; 'nd6-tbl-sync-start-ts-b-3rd': nd6 table sync start time stamp blade for T-2 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-3rd': ipv4-fib table sync start time stamp blade for T-2 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-3rd': ipv6-fib table sync start time stamp blade for T-2 synchronization; 'mac-tbl-sync-start-ts-b-3rd': mac table sync start time stamp blade for T-2 synchronization; 'arp-tbl-sync-entries-sent-m-3rd': arp table entries sent from master for T-2 synchronization; 'nd6-tbl-sync-entries-sent-m-3rd': nd6 table entries sent from master for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-3rd': ipv4-fib table entries sent from master for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-3rd': ipv6-fib table entries sent from master for T-2 synchronization; 'mac-tbl-sync-entries-sent-m-3rd': mac table entries sent from master for T-2 synchronization; 'arp-tbl-sync-entries-rcvd-b-3rd': arp table entries received in blade for T-2 synchronization; 'nd6-tbl-sync-entries-rcvd-b-3rd': nd6 table entries received in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-3rd': ipv4-fib table entries received in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-3rd': ipv6-fib table entries received in blade for T-2 synchronization; 'mac-tbl-sync-entries-rcvd-b-3rd': mac table entries received in blade for T-2 synchronization; 'arp-tbl-sync-entries-added-b-3rd': arp table entries added in blade for T-2 synchronization; 'nd6-tbl-sync-entries-added-b-3rd': nd6 table entries added in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-3rd': ipv4-fib table entries added in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-3rd': ipv6-fib table entries added in blade for T-2 synchronization; 'mac-tbl-sync-entries-added-b-3rd': mac table entries added in blade for T-2 synchronization; 'arp-tbl-sync-entries-removed-b-3rd': arp table entries removed in blade for T-2 synchronization; 'nd6-tbl-sync-entries-removed-b-3rd': nd6 table entries removed in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-3rd': ipv4-fib table entries removed in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-3rd': ipv6-fib table entries removed in blade for T-2 synchronization; 'mac-tbl-sync-entries-removed-b-3rd': mac table entries removed in blade for T-2 synchronization; 'arp-tbl-sync-end-ts-m-3rd': arp table sync end time stamp master for T-2 synchronization; 'nd6-tbl-sync-end-ts-m-3rd': nd6 table sync end time stamp master for T-2 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-3rd': ipv4-fib table sync end time stamp master for T-2 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-3rd': ipv6-fib table sync end time stamp master for T-2 synchronization; 'mac-tbl-sync-end-ts-m-3rd': mac table sync end time stamp master for T-2 synchronization; 'arp-tbl-sync-end-ts-b-3rd': arp table sync end time stamp blade for T-2 synchronization; 'nd6-tbl-sync-end-ts-b-3rd': nd6 table sync

end time stamp blade for T-2 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-3rd': ipv4-fib table sync end time stamp blade for T-2 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-3rd': ipv6-fib table sync end time stamp blade for T-2 synchronization; 'mac-tbl-sync-end-ts-b-3rd': mac table sync end time stamp blade for T-2 synchronization; 'arp-tbl-sync-start-ts-m-4th': arp table sync start time stamp master for T-3 synchronization; 'nd6-tbl-sync-start-ts-m-4th': nd6 table sync start time stamp master for T-3 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-4th': ipv4-fib table sync start time stamp master for T-3 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-4th': ipv6-fib table sync start time stamp master for T-3 synchronization; 'mac-tbl-sync-start-ts-m-4th': mac table sync start time stamp master for T-3 synchronization; 'arp-tbl-sync-start-ts-b-4th': arp table sync start time stamp blade for T-3 synchronization; 'nd6-tbl-sync-start-ts-b-4th': nd6 table sync start time stamp blade for T-3 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-4th': ipv4-fib table sync start time stamp blade for T-3 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-4th': ipv6-fib table sync start time stamp blade for T-3 synchronization; 'mac-tbl-sync-start-ts-b-4th': mac table sync start time stamp blade for T-3 synchronization; 'arp-tbl-sync-entries-sent-m-4th': arp table entries sent from master for T-3 synchronization; 'nd6-tbl-sync-entries-sent-m-4th': nd6 table entries sent from master for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-4th': ipv4-fib table entries sent from master for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-4th': ipv6-fib table entries sent from master for T-3 synchronization; 'mac-tbl-sync-entries-sent-m-4th': mac table entries sent from master for T-3 synchronization; 'arp-tbl-sync-entries-rcvd-b-4th': arp table entries received in blade for T-3 synchronization; 'nd6-tbl-sync-entries-rcvd-b-4th': nd6 table entries received in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-4th': ipv4-fib table entries received in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-4th': ipv6-fib table entries received in blade for T-3 synchronization; 'mac-tbl-sync-entries-rcvd-b-4th': mac table entries received in blade for T-3 synchronization; 'arp-tbl-sync-entries-added-b-4th': arp table entries added in blade for T-3 synchronization; 'nd6-tbl-sync-entries-added-b-4th': nd6 table entries added in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-4th': ipv4-fib table entries added in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-4th': ipv6-fib table entries added in blade for T-3 synchronization; 'mac-tbl-sync-entries-added-b-4th': mac table entries added in blade for T-3 synchronization; 'arp-tbl-sync-entries-removed-b-4th': arp table entries removed in blade for T-3 synchronization; 'nd6-tbl-sync-entries-removed-b-4th': nd6 table entries removed in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-4th': ipv4-fib table entries removed in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-4th': ipv6-fib table entries removed in blade for T-3 synchronization; 'mac-tbl-sync-entries-removed-b-4th': mac table entries removed in blade for T-3 synchronization; 'arp-tbl-sync-end-ts-m-4th': arp table sync end time stamp master for T-3 synchronization; 'nd6-tbl-sync-end-ts-m-4th': nd6 table sync end time stamp master for T-3 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-4th': ipv4-fib table sync end time stamp master for T-3 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-4th': ipv6-fib table sync end time stamp master for T-3 synchronization; 'mac-tbl-sync-end-ts-m-4th': mac table sync end time stamp master for T-3 synchronization; 'arp-tbl-sync-end-ts-b-4th': arp table sync end time stamp blade for T-3 synchronization; 'nd6-tbl-sync-end-ts-b-4th': nd6 table sync end time stamp blade for T-3 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-4th': ipv4-fib table sync end time stamp blade for T-3 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-4th': ipv6-fib table sync end time stamp blade for T-3 synchronization; 'mac-tbl-sync-end-ts-b-4th': mac table sync end time stamp blade for T-3 synchronization; 'arp-tbl-sync-start-ts-m-5th': arp table sync start time stamp master for T-4 synchronization;

Type: string

Supported Values: ipv4-fib-tbl-sync-start-ts-m-3rd, ipv6-fib-tbl-sync-start-ts-m-3rd, mac-tbl-sync-start-ts-m-3rd, arp-tbl-sync-start-ts-b-3rd, nd6-tbl-sync-start-ts-b-3rd, ipv4-fib-tbl-sync-start-ts-b-3rd, ipv6-fib-tbl-sync-start-ts-b-3rd, mac-tbl-sync-start-ts-b-3rd, arp-tbl-sync-entries-sent-m-3rd, nd6-tbl-sync-entries-sent-m-3rd, ipv4-fib-tbl-sync-entries-sent-m-3rd, ipv6-fib-tbl-sync-entries-sent-m-3rd, mac-tbl-sync-entries-sent-m-3rd, arp-tbl-sync-entries-

rcvd-b-3rd, nd6-tbl-sync-entries-rcvd-b-3rd, ipv4-fib-tbl-sync-entries-rcvd-b-3rd, ipv6-fib-tbl-sync-entries-rcvd-b-3rd, mac-tbl-sync-entries-rcvd-b-3rd, arp-tbl-sync-entries-added-b-3rd, nd6-tbl-sync-entries-added-b-3rd, ipv4-fib-tbl-sync-entries-added-b-3rd, ipv6-fib-tbl-sync-entries-added-b-3rd, mac-tbl-sync-entries-added-b-3rd, arp-tbl-sync-entries-removed-b-3rd, nd6-tbl-sync-entries-removed-b-3rd, ipv4-fib-tbl-sync-entries-removed-b-3rd, ipv6-fib-tbl-sync-entries-removed-b-3rd, mac-tbl-sync-entries-removed-b-3rd, arp-tbl-sync-end-ts-m-3rd, nd6-tbl-sync-end-ts-m-3rd, ipv4-fib-tbl-sync-end-ts-m-3rd, ipv6-fib-tbl-sync-end-ts-m-3rd, mac-tbl-sync-end-ts-m-3rd, arp-tbl-sync-end-ts-b-3rd, nd6-tbl-sync-end-ts-b-3rd, ipv4-fib-tbl-sync-end-ts-b-3rd, ipv6-fib-tbl-sync-end-ts-b-3rd, mac-tbl-sync-end-ts-b-3rd, arp-tbl-sync-start-ts-m-4th, nd6-tbl-sync-start-ts-m-4th, ipv4-fib-tbl-sync-start-ts-m-4th, ipv6-fib-tbl-sync-start-ts-m-4th, mac-tbl-sync-start-ts-m-4th, arp-tbl-sync-start-ts-b-4th, nd6-tbl-sync-start-ts-b-4th, ipv4-fib-tbl-sync-start-ts-b-4th, ipv6-fib-tbl-sync-start-ts-b-4th, mac-tbl-sync-start-ts-b-4th, arp-tbl-sync-entries-sent-m-4th, nd6-tbl-sync-entries-sent-m-4th, ipv4-fib-tbl-sync-entries-sent-m-4th, ipv6-fib-tbl-sync-entries-sent-m-4th, mac-tbl-sync-entries-sent-m-4th, arp-tbl-sync-entries-rcvd-b-4th, nd6-tbl-sync-entries-rcvd-b-4th, ipv4-fib-tbl-sync-entries-rcvd-b-4th, ipv6-fib-tbl-sync-entries-rcvd-b-4th, mac-tbl-sync-entries-rcvd-b-4th, arp-tbl-sync-entries-added-b-4th, nd6-tbl-sync-entries-added-b-4th, ipv4-fib-tbl-sync-entries-added-b-4th, ipv6-fib-tbl-sync-entries-added-b-4th, mac-tbl-sync-entries-added-b-4th, arp-tbl-sync-entries-removed-b-4th, nd6-tbl-sync-entries-removed-b-4th, ipv4-fib-tbl-sync-entries-removed-b-4th, ipv6-fib-tbl-sync-entries-removed-b-4th, mac-tbl-sync-entries-removed-b-4th, arp-tbl-sync-end-ts-m-4th, nd6-tbl-sync-end-ts-m-4th, ipv4-fib-tbl-sync-end-ts-m-4th, ipv6-fib-tbl-sync-end-ts-m-4th, mac-tbl-sync-end-ts-m-4th, arp-tbl-sync-end-ts-b-4th, nd6-tbl-sync-end-ts-b-4th, ipv4-fib-tbl-sync-end-ts-b-4th, ipv6-fib-tbl-sync-end-ts-b-4th, mac-tbl-sync-end-ts-b-4th, arp-tbl-sync-start-ts-m-5th

counters3

Description ‘nd6-tbl-sync-start-ts-m-5th’: nd6 table sync start time stamp master for T-4 synchronization; ‘ipv4-fib-tbl-sync-start-ts-m-5th’: ipv4-fib table sync start time stamp master for T-4 synchronization; ‘ipv6-fib-tbl-sync-start-ts-m-5th’: ipv6-fib table sync start time stamp master for T-4 synchronization; ‘mac-tbl-sync-start-ts-m-5th’: mac table sync start time stamp master for T-4 synchronization; ‘arp-tbl-sync-start-ts-b-5th’: arp table sync start time stamp blade for T-4 synchronization; ‘nd6-tbl-sync-start-ts-b-5th’: nd6 table sync start time stamp blade for T-4 synchronization; ‘ipv4-fib-tbl-sync-start-ts-b-5th’: ipv4-fib table sync start time stamp blade for T-4 synchronization; ‘ipv6-fib-tbl-sync-start-ts-b-5th’: ipv6-fib table sync start time stamp blade for T-4 synchronization; ‘mac-tbl-sync-start-ts-b-5th’: mac table sync start time stamp blade for T-4 synchronization; ‘arp-tbl-sync-entries-sent-m-5th’: arp table sync start time stamp blade for T-4 synchronization; ‘nd6-tbl-sync-entries-sent-m-5th’: nd6 table sync start time stamp blade for T-4 synchronization; ‘ipv4-fib-tbl-sync-entries-sent-m-5th’: ipv4-fib table sync start time stamp blade for T-4 synchronization; ‘ipv6-fib-tbl-sync-entries-sent-m-5th’: ipv6-fib table sync start time stamp blade for T-4 synchronization; ‘mac-tbl-sync-entries-sent-m-5th’: mac table sync start time stamp blade for T-4 synchronization; ‘arp-tbl-sync-entries-rcvd-b-5th’: arp table entries received in blade for T-4 synchronization; ‘nd6-tbl-sync-entries-rcvd-b-5th’: nd6 table entries received in blade for T-4 synchronization; ‘ipv4-fib-tbl-sync-entries-rcvd-b-5th’: ipv4-fib table entries received in blade for T-4 synchronization; ‘ipv6-fib-tbl-sync-entries-rcvd-b-5th’: ipv6-fib table entries received in blade for T-4 synchronization; ‘mac-tbl-sync-entries-rcvd-b-5th’: mac table entries received in blade for T-4 synchronization; ‘arp-tbl-sync-entries-added-b-5th’: arp table entries added in blade for T-4 synchronization; ‘nd6-tbl-sync-entries-added-b-5th’: nd6 table entries added in blade for T-4 synchronization; ‘ipv4-fib-tbl-sync-entries-added-b-5th’: ipv4-fib table entries added in blade for T-4 synchronization; ‘ipv6-fib-tbl-sync-entries-added-b-5th’: ipv6-fib table entries added in blade for T-4 synchronization; ‘mac-tbl-sync-entries-added-b-5th’: mac table entries added in blade for T-4 synchronization; ‘arp-tbl-sync-entries-removed-b-5th’: arp table entries removed in blade for T-4 synchronization; ‘nd6-tbl-sync-entries-removed-b-5th’: nd6 table entries removed in blade for T-4 synchronization; ‘ipv4-fib-tbl-sync-entries-removed-b-5th’: ipv4-fib

table entries removed in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-5th': ipv6-fib table entries removed in blade for T-4 synchronization; 'mac-tbl-sync-entries-removed-b-5th': mac table entries removed in blade for T-4 synchronization; 'arp-tbl-sync-end-ts-m-5th': arp table sync end time stamp master for T-4 synchronization; 'nd6-tbl-sync-end-ts-m-5th': nd6 table sync end time stamp master for T-4 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-5th': ipv4-fib table sync end time stamp master for T-4 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-5th': ipv6-fib table sync end time stamp master for T-4 synchronization; 'mac-tbl-sync-end-ts-m-5th': mac table sync end time stamp master for T-4 synchronization; 'arp-tbl-sync-end-ts-b-5th': arp table sync end time stamp blade for T-4 synchronization; 'nd6-tbl-sync-end-ts-b-5th': nd6 table sync end time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-5th': ipv4-fib table sync end time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-5th': ipv6-fib table sync end time stamp blade for T-4 synchronization; 'mac-tbl-sync-end-ts-b-5th': mac table sync end time stamp blade for T-4 synchronization; 'arp-tbl-sync-m': arp table sync count in master; 'nd6-tbl-sync-m': nd6 table sync count in master; 'ipv4-fib-tbl-sync-m': ipv4-fib table sync count in master; 'ipv6-fib-tbl-sync-m': ipv6-fib table sync count in master; 'mac-tbl-sync-m': mac table sync count in master; 'arp-tbl-sync-b': arp table sync count in blade; 'nd6-tbl-sync-b': nd6 table sync count in blade; 'ipv4-fib-tbl-sync-b': ipv4-fib table sync count in blade; 'ipv6-fib-tbl-sync-b': ipv6-fib table sync count in blade; 'mac-tbl-sync-b': mac table sync count in blade; 'arp-tbl-cksum-m': arp table checksum count in master; 'nd6-tbl-cksum-m': nd6 table checksum count in master; 'ipv4-fib-tbl-cksum-m': ipv4-fib table checksum count in master; 'ipv6-fib-tbl-cksum-m': ipv6-fib table checksum count in master; 'mac-tbl-cksum-m': mac table checksum count in master; 'arp-tbl-cksum-b': arp table checksum count in blade; 'nd6-tbl-cksum-b': nd6 table checksum count in blade; 'ipv4-fib-tbl-cksum-b': ipv4-fib table checksum count in blade; 'ipv6-fib-tbl-cksum-b': ipv6-fib table checksum count in blade; 'mac-tbl-cksum-b': mac table checksum count in blade; 'arp-tbl-cksum-mismatch-b': arp table checksum mismatch count in blade; 'nd6-tbl-cksum-mismatch-b': nd6 table checksum mismatch count in blade; 'ipv4-fib-tbl-cksum-mismatch-b': ipv4-fib table checksum mismatch count in blade; 'ipv6-fib-tbl-cksum-mismatch-b': ipv6-fib table checksum mismatch count in blade; 'mac-tbl-cksum-mismatch-b': mac table checksum mismatch count in blade; 'arp-tbl-cksum-cancel-m': arp table checksum cancelled count in master; 'nd6-tbl-cksum-cancel-m': nd6 table checksum cancelled count in master; 'ipv4-fib-tbl-cksum-cancel-m': ipv4-fib table checksum cancelled count in master; 'ipv6-fib-tbl-cksum-cancel-m': ipv6-fib table checksum cancelled count in master; 'mac-tbl-cksum-cancel-m': mac table checksum cancelled count in master;

Type: string

Supported Values: nd6-tbl-sync-start-ts-m-5th, ipv4-fib-tbl-sync-start-ts-m-5th, ipv6-fib-tbl-sync-start-ts-m-5th, mac-tbl-sync-start-ts-m-5th, arp-tbl-sync-start-ts-b-5th, nd6-tbl-sync-start-ts-b-5th, ipv4-fib-tbl-sync-start-ts-b-5th, ipv6-fib-tbl-sync-start-ts-b-5th, mac-tbl-sync-start-ts-b-5th, arp-tbl-sync-entries-sent-m-5th, nd6-tbl-sync-entries-sent-m-5th, ipv4-fib-tbl-sync-entries-sent-m-5th, ipv6-fib-tbl-sync-entries-sent-m-5th, mac-tbl-sync-entries-sent-m-5th, arp-tbl-sync-entries-rcvd-b-5th, nd6-tbl-sync-entries-rcvd-b-5th, ipv4-fib-tbl-sync-entries-rcvd-b-5th, ipv6-fib-tbl-sync-entries-rcvd-b-5th, mac-tbl-sync-entries-rcvd-b-5th, arp-tbl-sync-entries-added-b-5th, nd6-tbl-sync-entries-added-b-5th, ipv4-fib-tbl-sync-entries-added-b-5th, ipv6-fib-tbl-sync-entries-added-b-5th, mac-tbl-sync-entries-added-b-5th, arp-tbl-sync-entries-removed-b-5th, nd6-tbl-sync-entries-removed-b-5th, ipv4-fib-tbl-sync-entries-removed-b-5th, ipv6-fib-tbl-sync-entries-removed-b-5th, mac-tbl-sync-entries-removed-b-5th, arp-tbl-sync-end-ts-m-5th, nd6-tbl-sync-end-ts-m-5th, ipv4-fib-tbl-sync-end-ts-m-5th, ipv6-fib-tbl-sync-end-ts-m-5th, mac-tbl-sync-end-ts-m-5th, arp-tbl-sync-end-ts-b-5th, nd6-tbl-sync-end-ts-b-5th, ipv4-fib-tbl-sync-end-ts-b-5th, ipv6-fib-tbl-sync-end-ts-b-5th, mac-tbl-sync-end-ts-b-5th, arp-tbl-sync-m, nd6-tbl-sync-m, ipv4-fib-tbl-sync-m, ipv6-fib-tbl-sync-m, mac-tbl-sync-m, arp-tbl-sync-b, nd6-tbl-sync-b, ipv4-fib-tbl-sync-b, ipv6-fib-tbl-sync-b, mac-tbl-sync-b, arp-tbl-cksum-m, nd6-tbl-cksum-m, ipv4-fib-tbl-cksum-m, ipv6-fib-tbl-cksum-m, mac-tbl-cksum-m, arp-tbl-cksum-b, nd6-tbl-

cksum-b, ipv4-fib-tbl-cksum-b, ipv6-fib-tbl-cksum-b, mac-tbl-cksum-b, arp-tbl-cksum-mismatch-b, nd6-tbl-cksum-mismatch-b, ipv4-fib-tbl-cksum-mismatch-b, ipv6-fib-tbl-cksum-mismatch-b, mac-tbl-cksum-mismatch-b, arp-tbl-cksum-cancel-m, nd6-tbl-cksum-cancel-m, ipv4-fib-tbl-cksum-cancel-m, ipv6-fib-tbl-cksum-cancel-m, mac-tbl-cksum-cancel-m

platformtype

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.2 system all-vlan-limit

all vlan flooding packet limit

all-vlan-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	all-vlan-limit
Element URI	/axapi/v3/system/all-vlan-limit
Element Attributes	all-vlan-limit_attributes
Partition Visibility	shared
Schema	`all-vlan-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

```
POST /axapi/v3/system/all-vlan-limit
Payload:
{
    "all-vlan-limit": {
        "bcast": 1
    }
}
```

Get Object

GET

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

```
GET /axapi/v3/system/all-vlan-limit
Reponse:
{
    "all-vlan-limit": {
        "bcast": 1,
        "ipmcast": 5000,
        "mcast": 5000,
        "unknown-ucast": 5000,
        "uuid": "5739a1de-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/all-vlan-limit"
    }
}
```

Modify Object

POST

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

Replace Object

PUT

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

```
PUT /axapi/v3/system/all-vlan-limit
Payload:
{
    "all-vlan-limit": {
        "bcast": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/system/all-vlan-limit

all-vlan-limit attributes

```
DELETE /axapi/v3/system/all-vlan-limit
Reponse:
{
    "response": {
```

(continues on next page)

(continued from previous page)

```
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

all-vlan-limit attributes

bcast

Description broadcast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

ipmcast

Description IP multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

mcast

Description multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

unknown-ucast

Description unknown unicast packets (per second limit)

Type: number

Range: 1-65535

Default: 5000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.3 system app-performance

Application perfomance stats

app-performance Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	app-performance
Element URI	/axapi/v3/system/app-performance
Element Attributes	app-performance_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/app-performance/stats
Schema	`app-performance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/app-performance

app-performance attributes

```
POST /axapi/v3/system/app-performance
Payload:
{
    "app-performance": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/app-performance

app-performance attributes

```
GET /axapi/v3/system/app-performance
Reponse:
{
    "app-performance": {
        "uuid": "573a60b0-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "a10-url": "/axapi/v3/system/app-performance"
    }
}
```

Modify Object

POST

/axapi/v3/system/app-performance

app-performance attributes

Replace Object

PUT

/axapi/v3/system/app-performance

app-performance attributes

```
PUT /axapi/v3/system/app-performance
Payload:
{
    "app-performance": {
        "sampling-enable": [
            {
                "counters1": "total-throughput-bits-per-sec"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/app-performance

app-performance attributes

```
DELETE /axapi/v3/system/app-performance
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

app-performance attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total-throughput-bits-per-sec': Total Throughput in bits/sec; 'l4-conns-per-sec': L4 Connections/sec; 'l7-conns-per-sec': L7 Connections/sec; 'l7-trans-per-sec': L7 Transactions/sec; 'ssl-conns-per-sec': SSL Connections/sec; 'ip-nat-conns-per-sec': IP NAT Connections/sec; 'total-new-conns-per-sec': Total New Connections Established/sec; 'total-curr-conns': Total Current Established Connections; 'l4-bandwidth': L4 Bandwidth in bits/sec; 'l7-bandwidth': L7 Bandwidth in bits/sec; 'serv-ssl-conns-per-sec': Server SSL Connections/sec; 'fw-conns-per-sec': FW Connections/sec; 'gifw-conns-per-sec': GiFW Connections/sec;

Type: string

Supported Values: all, total-throughput-bits-per-sec, l4-conns-per-sec, l7-conns-per-sec, l7-trans-per-sec, ssl-conns-per-sec, ip-nat-conns-per-sec, total-new-conns-per-sec, total-curr-conns, l4-bandwidth, l7-bandwidth, serv-ssl-conns-per-sec, fw-conns-per-sec, gifw-conns-per-sec

2.129.4 system app-performance stats

Statistics for the object app-performance

app-performance Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	app-performance
Element URI	/axapi/v3/system/app-performance/stats
Element Attributes	app-performance_attributes
Partition Visibility	None
Schema	`app-performance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/app-performance/stats

app-performance attributes

Get Object

GET

/axapi/v3/system/app-performance/stats

app-performance attributes

Modify Object

POST

/axapi/v3/system/app-performance/stats

app-performance attributes

Replace Object

PUT

/axapi/v3/system/app-performance/stats

app-performance attributes

Delete Object

DELETE

/axapi/v3/system/app-performance/stats

app-performance attributes

app-performance attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

fw-conns-per-sec

Description FW Connections/sec

Type: number

Format: counter

gifw-conns-per-sec

Description GiFW Connections/sec

Type: number

Format: counter

ip-nat-conns-per-sec

Description IP NAT Connections/sec

Type: number

Format: counter

l4-bandwidth

Description L4 Bandwidth in bits/sec

Type: number

Format: counter

l4-conns-per-sec

Description L4 Connections/sec

Type: number

Format: counter

l7-bandwidth

Description L7 Bandwidth in bits/sec

Type: number

Format: counter

l7-conns-per-sec

Description L7 Connections/sec

Type: number

Format: counter

l7-trans-per-sec

Description L7 Transactions/sec

Type: number

Format: counter

serv-ssl-conns-per-sec

Description Server SSL Connections/sec

Type: number

Format: counter

ssl-conns-per-sec

Description SSL Connections/sec

Type: number

Format: counter

total-curr-conns

Description Total Current Established Connections

Type: number

Format: counter

total-new-conns-per-sec

Description Total New Connections Established/sec

Type: number

Format: counter

total-throughput-bits-per-sec

Description Total Throughput in bits/sec

Type: number

Format: counter

2.129.5 system apps-global

Global application generic configuration

apps-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	apps-global
Element URI	/axapi/v3/system/apps-global
Element Attributes	apps-global_attributes
Partition Visibility	shared
Schema	`apps-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/apps-global

apps-global attributes

```
POST /axapi/v3/system/apps-global
Payload:
{
    "apps-global": {
        "log-session-on-established": 1
    }
}
```

Get Object

GET

/axapi/v3/system/apps-global

apps-global attributes

```
GET /axapi/v3/system/apps-global
Reponse:
{
    "apps-global": {
        "log-session-on-established": 1,
        "msl-time": 2,
        "timer-wheel-walk-limit": 100,
        "sessions-threshold": 0,
        "cps-threshold": 0,
        "uuid": "5739cdbc-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/apps-global"
    }
}
```

Modify Object

POST

/axapi/v3/system/apps-global

apps-global attributes

Replace Object

PUT

/axapi/v3/system/apps-global

apps-global attributes

```
PUT /axapi/v3/system/apps-global
Payload:
{
    "apps-global": {
        "log-session-on-established": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/system/apps-global

apps-global attributes

```
DELETE /axapi/v3/system/apps-global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

apps-global attributes

cps-threshold

Description Set threshold for the total Connections Per Second across the system (Enter threshold number)

Type: number

Range: 0-2147483647

Default: 0

log-session-on-established

Description Send TCP session creation log on completion of 3-way handshake

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msl-time

Description Configure maximum session life, default is 2 seconds (1-39 seconds, default is 2 seconds)

Type: number

Range: 1-39

Default: 2

sessions-threshold

Description Set threshold for total sessions across the system (Enter threshold number)

Type: number

Range: 0-2147483647

Default: 0

timer-wheel-walk-limit

Description Set timer wheel walk limit (0-1024, 0 is unlimited, default is 100)

Type: number

Range: 0-1024

Default: 100

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.6 system asic-debug-dump

Enable/Disable L2L3 ASIC traffic discard/drop events and Dump debug information

asic-debug-dump Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	asic-debug-dump
Element URI	/axapi/v3/system/asic-debug-dump
Element Attributes	asic-debug-dump_attributes
Partition Visibility	shared
Schema	`asic-debug-dump schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/asic-debug-dump

asic-debug-dump attributes

```
POST /axapi/v3/system/asic-debug-dump
Payload:
{
    "asic-debug-dump": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/asic-debug-dump

asic-debug-dump attributes

Modify Object

POST

/axapi/v3/system/asic-debug-dump

asic-debug-dump attributes

Replace Object

PUT

/axapi/v3/system/asic-debug-dump

asic-debug-dump attributes

Delete Object

DELETE

/axapi/v3/system/asic-debug-dump

asic-debug-dump attributes

asic-debug-dump attributes

enable

Description Enable/Disable L2L3 ASIC traffic discard/drop events and Dump debug information

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.7 system asic-mmu-fail-safe

ASIC Fail Safe Global Commands

asic-mmu-fail-safe Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	asic-mmu-fail-safe
Element URI	/axapi/v3/system/asic-mmu-fail-safe
Element Attributes	asic-mmu-fail-safe_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/asic-mmu-fail-safe/oper
Schema	`asic-mmu-fail-safe schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/asic-mmu-fail-safe

asic-mmu-fail-safe attributes

```
POST /axapi/v3/system/asic-mmu-fail-safe
Payload:
{
    "asic-mmu-fail-safe": {
        "recovery-threshold": 1
    }
}
```

Get Object

GET

/axapi/v3/system/asic-mmu-fail-safe

asic-mmu-fail-safe attributes

Modify Object

POST

/axapi/v3/system/asic-mmu-fail-safe

asic-mmu-fail-safe attributes

Replace Object

PUT

/axapi/v3/system/asic-mmu-fail-safe

asic-mmu-fail-safe attributes

Delete Object

DELETE

/axapi/v3/system/asic-mmu-fail-safe

asic-mmu-fail-safe attributes

asic-mmu-fail-safe attributes

inject-error

Description Inject MMU SER/Parity errors

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-disable

Description Enable Fail-safe software error monitoring and act on it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

monitor-interval

Description ASIC Fail-safe monitoring intervals in Seconds (Units of 1 Seconds (default 60))

Type: number

Range: 5-300

Default: 60

reboot-disable

Description Disable system reboot if system encounters mmu error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

recovery-threshold

Description ASIC Fail-safe recovery threshold in Errors (Units of 1 Errors (default 2))

Type: number

Range: 1-1000

Default: 2

test-pattern-type

Description 'all-zeros': Inject all bits 0s in a byte; 'all-ones': Inject all bits 1s in a byte; 'lcb': Logical checker board; 'inverse-lcb': Inverse Logical checker board;

Type: string

Supported Values: all-zeros, all-ones, lcb, inverse-lcb

Default: lcb

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.8 system asic-mmu-fail-safe oper

Operational Status for the object asic-mmu-fail-safe

asic-mmu-fail-safe Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	asic-mmu-fail-safe
Element URI	/axapi/v3/system/asic-mmu-fail-safe/oper
Element Attributes	asic-mmu-fail-safe_attributes
Partition Visibility	None
Schema	`asic-mmu-fail-safe schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/asic-mmu-fail-safe/oper

asic-mmu-fail-safe attributes

Get Object

GET

/axapi/v3/system/asic-mmu-fail-safe/oper

asic-mmu-fail-safe attributes

Modify Object

POST

/axapi/v3/system/asic-mmu-fail-safe/oper

asic-mmu-fail-safe attributes

Replace Object

PUT

/axapi/v3/system/asic-mmu-fail-safe/oper

asic-mmu-fail-safe attributes

Delete Object

DELETE

/axapi/v3/system/asic-mmu-fail-safe/oper

asic-mmu-fail-safe attributes

asic-mmu-fail-safe attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

enable_val

Description

Type: string

mmu_ser

Description

Type: number

mmu_total_error

Description

Type: number

parity_bst

Description

Type: number

parity_ecc

Description

Type: number

parity_error

Description

Type: number

parity_ser

Description

Type: number

parity_start_err

Description

Type: number

parity_unrecov

Description

Type: number

period_val

Description

Type: number

reboot_val

Description

Type: string

threshold_val

Description

Type: number

2.129.9 system bandwidth

System bandwidth information

bandwidth Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bandwidth
Element URI	/axapi/v3/system/bandwidth
Element Attributes	bandwidth_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/bandwidth/stats
Schema	`bandwidth schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/bandwidth

bandwidth attributes

Get Object

GET

/axapi/v3/system/bandwidth

bandwidth attributes

Modify Object

POST

/axapi/v3/system/bandwidth

bandwidth attributes

Replace Object

PUT

/axapi/v3/system/bandwidth

bandwidth attributes

Delete Object

DELETE

/axapi/v3/system/bandwidth

bandwidth attributes

bandwidth attributes

critical-threshold

Description Adjust bandwidth critical threshold

Type: number

Range: 81-99

Default: 95

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

warning-threshold

Description Adjust bandwidth warning threshold

Type: number

Range: 50-80

Default: 75

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'input-bytes-per-sec': In Bytes per second; 'output-bytes-per-sec': Out Bytes per second;

Type: string

Supported Values: all, input-bytes-per-sec, output-bytes-per-sec, ppsl_drop_egr, ppsl_drop_ing, ppsl_ignore_limit, licexpire_drop, bwl_drop

2.129.10 system bandwidth stats

Statistics for the object bandwidth

bandwidth Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bandwidth
Element URI	/axapi/v3/system/bandwidth/stats
Element Attributes	bandwidth_attributes
Partition Visibility	None
Schema	`bandwidth schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/bandwidth/stats

bandwidth attributes

Get Object

GET

/axapi/v3/system/bandwidth/stats

bandwidth attributes

Modify Object

POST

/axapi/v3/system/bandwidth/stats

bandwidth attributes

Replace Object

PUT

/axapi/v3/system/bandwidth/stats

bandwidth attributes

Delete Object

DELETE

/axapi/v3/system/bandwidth/stats

bandwidth attributes

bandwidth attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bwl_drop

Description BW Limit Drop

Type: number

Format: counter

input-bytes-per-sec

Description In Bytes per second

Type: number

Format: counter

licexpire_drop

Description License Expire Drop

Type: number

Format: counter

output-bytes-per-sec

Description Out Bytes per second

Type: number

Format: counter

ppsl_drop_egr

Description Packet-Per-Sec Limit Drop at egress

Type: number

Format: counter

ppsl_drop_ing

Description Packet-Per-Sec Limit Drop at ingress

Type: number

Format: counter

ppsl_ignore_limit

Description Packet-Per-Sec Limit ignored packets count

Type: number

Format: counter

2.129.11 system bfd

BFD Statistics

bfd Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/system/bfd
Element Attributes	bfd_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/bfd/stats
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/bfd

bfd attributes

```
POST /axapi/v3/system/bfd
Payload:
{
    "bfd": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/bfd

bfd attributes

```
GET /axapi/v3/system/bfd
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "bfd": {
        "uuid": "573a6dc6-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/bfd"
    }
}
```

Modify Object

POST

/axapi/v3/system/bfd

bfd attributes

Replace Object

PUT

/axapi/v3/system/bfd

bfd attributes

```
PUT /axapi/v3/system/bfd
Payload:
{
    "bfd": {
        "sampling-enable": [
            {
                "counters1": "ip_checksum_error"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/bfd

bfd attributes

```
DELETE /axapi/v3/system/bfd
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

bfd attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'ip_checksum_error': IP packet checksum errors; 'udp_checksum_error': UDP packet checksum errors; 'session_not_found': Session not found; 'multihop_mismatch': Multihop session or packet mismatch; 'version_mismatch': BFD version mismatch; 'length_too_small': Packets too small; 'data_is_short': Packet data length too short; 'invalid_detect_mult': Invalid detect multiplier; 'invalid_multipoint': Invalid multipoint setting; 'invalid_my_disc': Invalid my descriptor; 'invalid_ttl': Invalid TTL; 'auth_length_invalid': Invalid authentication length; 'auth_mismatch': Authentication mismatch; 'auth_type_mismatch': Authentication type mismatch; 'auth_key_id_mismatch': Authentication key-id mismatch; 'auth_key_mismatch': Authentication key mismatch; 'auth_seqnum_invalid': Invalid authentication sequence number; 'auth_failed': Authentication failures; 'local_state_admin_down': Local admin down session state; 'dest_unreachable': Destination unreachable; 'no_ipv6_enable': No IPv6 enable; 'other_error': Other errors;

Type: string

Supported Values: all, ip_checksum_error, udp_checksum_error, session_not_found, multihop_mismatch, version_mismatch, length_too_small, data_is_short, invalid_detect_mult, invalid_multipoint, invalid_my_disc, invalid_ttl, auth_length_invalid, auth_mismatch, auth_type_mismatch, auth_key_id_mismatch, auth_key_mismatch, auth_seqnum_invalid, auth_failed, local_state_admin_down, dest_unreachable, no_ipv6_enable, other_error

2.129.12 system bfd stats

Statistics for the object bfd

bfd Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	bfd
Element URI	/axapi/v3/system/bfd/stats
Element Attributes	bfd_attributes
Partition Visibility	None
Schema	`bfd schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/bfd/stats

bfd attributes

Get Object

GET

/axapi/v3/system/bfd/stats

bfd attributes

Modify Object

POST

/axapi/v3/system/bfd/stats

bfd attributes

Replace Object

PUT

/axapi/v3/system/bfd/stats

bfd attributes

Delete Object

DELETE

/axapi/v3/system/bfd/stats

bfd attributes

bfd attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

auth_failed

Description Authentication failures

Type: number

Format: counter

auth_key_id_mismatch

Description Authentication key-id mismatch

Type: number

Format: counter

auth_key_mismatch

Description Authentication key mismatch

Type: number

Format: counter

auth_length_invalid

Description Invalid authentication length

Type: number

Format: counter

auth_mismatch

Description Authentication mismatch

Type: number

Format: counter

auth_seqnum_invalid

Description Invalid authentication sequence number

Type: number

Format: counter

auth_type_mismatch

Description Authentication type mismatch

Type: number

Format: counter

data_is_short

Description Packet data length too short

Type: number

Format: counter

dest_unreachable

Description Destination unreachable

Type: number

Format: counter

invalid_detect_mult

Description Invalid detect multiplier

Type: number

Format: counter

invalid_multipoint

Description Invalid multipoint setting

Type: number

Format: counter

invalid_my_disc

Description Invalid my descriptor

Type: number

Format: counter

invalid_ttl

Description Invalid TTL

Type: number

Format: counter

ip_checksum_error

Description IP packet checksum errors

Type: number

Format: counter

length_too_small

Description Packets too small

Type: number

Format: counter

local_state_admin_down

Description Local admin down session state

Type: number

Format: counter

multihop_mismatch

Description Multihop session or packet mismatch

Type: number

Format: counter

no_ipv6_enable

Description No IPv6 enable

Type: number

Format: counter

other_error

Description Other errors

Type: number

Format: counter

session_not_found

Description Session not found

Type: number

Format: counter

udp_checksum_error

Description UDP packet checksum errors

Type: number

Format: counter

version_mismatch

Description BFD version mismatch

Type: number

Format: counter

2.129.13 system cl-threat-category

IP threat-category from class-list

cl-threat-category Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cl-threat-category
Element URI	/axapi/v3/system/cl-threat-category
Element Attributes	cl-threat-category_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/cl-threat-category/oper
Schema	`cl-threat-category schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cl-threat-category

cl-threat-category attributes

Get Object

GET

/axapi/v3/system/cl-threat-category

cl-threat-category attributes

Modify Object

POST

/axapi/v3/system/cl-threat-category

cl-threat-category attributes

Replace Object

PUT

/axapi/v3/system/cl-threat-category

cl-threat-category attributes

Delete Object

DELETE

/axapi/v3/system/cl-threat-category

cl-threat-category attributes

cl-threat-category attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.14 system cl-threat-category oper

Operational Status for the object cl-threat-category

cl-threat-category Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cl-threat-category
Element URI	/axapi/v3/system/cl-threat-category/oper
Element Attributes	cl-threat-category_attributes
Partition Visibility	None
Schema	`cl-threat-category schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cl-threat-category/oper

cl-threat-category attributes

Get Object

GET

/axapi/v3/system/cl-threat-category/oper

cl-threat-category attributes

Modify Object

POST

/axapi/v3/system/cl-threat-category/oper

cl-threat-category attributes

Replace Object

PUT

/axapi/v3/system/cl-threat-category/oper

cl-threat-category attributes

Delete Object

DELETE

/axapi/v3/system/cl-threat-category/oper

cl-threat-category attributes

cl-threat-category attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

category-list

Type: List

oper_category-list

Specification	Value
Type	*list*
Block object keys	

category

Description

Type: string

2.129.15 system cli-monitor-interval

Config cli-server health monitor interval

cli-monitor-interval Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cli-monitor-interval
Element URI	/axapi/v3/system/cli-monitor-interval
Element Attributes	cli-monitor-interval_attributes
Partition Visibility	shared
Schema	`cli-monitor-interval schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cli-monitor-interval

cli-monitor-interval attributes

```
POST /axapi/v3/system/cli-monitor-interval
Payload:
{
    "cli-monitor-interval": {
        "interval": 0
    }
}
```

Get Object

GET

/axapi/v3/system/cli-monitor-interval

cli-monitor-interval attributes

```
GET /axapi/v3/system/cli-monitor-interval
Reponse:
{
    "cli-monitor-interval": {
        "interval": 0,
        "uuid": "e93b1494-b6df-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/system/cli-monitor-interval"
    }
}
```

Modify Object

POST

/axapi/v3/system/cli-monitor-interval

cli-monitor-interval attributes

Replace Object

PUT

/axapi/v3/system/cli-monitor-interval

cli-monitor-interval attributes

```
PUT /axapi/v3/system/cli-monitor-interval
Payload:
{
    "cli-monitor-interval": {
        "interval": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/system/cli-monitor-interval

cli-monitor-interval attributes

```
DELETE /axapi/v3/system/cli-monitor-interval
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

cli-monitor-interval attributes

interval

Description one interval is 300ms (0 = disable)

Type: number

Range: 0-5000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.16 system config-mgmt

Setting of Configuration Management

config-mgmt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	config-mgmt
Element URI	/axapi/v3/system/config-mgmt
Element Attributes	config-mgmt_attributes
Partition Visibility	shared
Schema	`config-mgmt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/config-mgmt

config-mgmt attributes

```
POST /axapi/v3/system/config-mgmt
Payload:
{
    "config-mgmt": {
        "delete-referenced-tagged-objects": "enable"
    }
}
```

Get Object

GET

/axapi/v3/system/config-mgmt

config-mgmt attributes

```
GET /axapi/v3/system/config-mgmt
Reponse:
{
    "config-mgmt": {
        "delete-referenced-tagged-objects": "enable",
        "uuid": "573af1a6-b6f6-11ef-b25f-ae71681635d0",
        "pu-sync-detection": {
            "interval": 30,
            "action": "disable",
            "uuid": "573af35e-b6f6-11ef-b25f-ae71681635d0",
            "a10-url": "/axapi/v3/system/config-mgmt/pu-sync-detection"
        },
        "a10-url": "/axapi/v3/system/config-mgmt"
    }
}
```

Modify Object

POST

/axapi/v3/system/config-mgmt

config-mgmt attributes

Replace Object

PUT

/axapi/v3/system/config-mgmt

config-mgmt attributes

config-mgmt attributes

delete-referenced-tagged-objects

Description 'enable': Allow deletion of referenced tagged objects. Default option.; 'disable': Block deletion of referenced tagged objects;

Type: string

Supported Values: enable, disable

Default: enable

pu-sync-detection

Description: pu-sync-detection is a **JSON Block**. Please see below for *pu-sync-detection*

Type: Object

Reference Object: */axapi/v3/system/config-mgmt/pu-sync-detection*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

pu-sync-detection

Specification	Value
Type	*object*

action

Description 'enable': Enable pu-sync-detection feature; 'disable': Disable pu-sync-detection feature;

Type: string

Supported Values: enable, disable

Default: disable

interval

Description Time interval (seconds) for detection. Default is 30 seconds.

Type: number

Range: 30-86400

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.17 system config-mgmt pu-sync-detection

pu sync detection feature actions

pu-sync-detection Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pu-sync-detection
Element URI	/axapi/v3/system/config-mgmt/pu-sync-detection
Element Attributes	pu-sync-detection_attributes
Partition Visibility	shared
Schema	`pu-sync-detection schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/config-mgmt/pu-sync-detection

pu-sync-detection attributes

Get Object

GET

/axapi/v3/system/config-mgmt/pu-sync-detection

pu-sync-detection attributes

Modify Object

POST

/axapi/v3/system/config-mgmt/pu-sync-detection

pu-sync-detection attributes

Replace Object

PUT

/axapi/v3/system/config-mgmt/pu-sync-detection

pu-sync-detection attributes

pu-sync-detection attributes

action

Description 'enable': Enable pu-sync-detection feature; 'disable': Disable pu-sync-detection feature;

Type: string

Supported Values: enable, disable

Default: disable

interval

Description Time interval (seconds) for detection. Default is 30 seconds.

Type: number

Range: 30-86400

Default: 30

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.18 system control-cpu

System control cpu information

control-cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	control-cpu
Element URI	/axapi/v3/system/control-cpu
Element Attributes	control-cpu_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/control-cpu/stats
Schema	`control-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/control-cpu

control-cpu attributes

Get Object

GET

/axapi/v3/system/control-cpu

control-cpu attributes

Modify Object

POST

/axapi/v3/system/control-cpu

control-cpu attributes

Replace Object

PUT

/axapi/v3/system/control-cpu

control-cpu attributes

Delete Object

DELETE

/axapi/v3/system/control-cpu

control-cpu attributes

control-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.19 system control-cpu stats

Statistics for the object control-cpu

control-cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	control-cpu
Element URI	/axapi/v3/system/control-cpu/stats
Element Attributes	control-cpu_attributes
Partition Visibility	None
Schema	`control-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/control-cpu/stats

control-cpu attributes

Get Object

GET

/axapi/v3/system/control-cpu/stats

control-cpu attributes

Modify Object

POST

/axapi/v3/system/control-cpu/stats

control-cpu attributes

Replace Object

PUT

/axapi/v3/system/control-cpu/stats

control-cpu attributes

Delete Object

DELETE

/axapi/v3/system/control-cpu/stats

control-cpu attributes

control-cpu attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

cpu-1

Description Control CPU-1

Type: number

Format: counter

cpu-10

Description Control CPU-10

Type: number

Format: counter

cpu-11

Description Control CPU-11

Type: number

Format: counter

cpu-12

Description Control CPU-12

Type: number

Format: counter

cpu-13

Description Control CPU-13

Type: number

Format: counter

cpu-14

Description Control CPU-14

Type: number

Format: counter

cpu-15

Description Control CPU-15

Type: number

Format: counter

cpu-16

Description Control CPU-16

Type: number

Format: counter

cpu-17

Description Control CPU-17

Type: number

Format: counter

cpu-18

Description Control CPU-18

Type: number

Format: counter

cpu-19

Description Control CPU-19

Type: number

Format: counter

cpu-2

Description Control CPU-2

Type: number

Format: counter

cpu-20

Description Control CPU-20

Type: number

Format: counter

cpu-21

Description Control CPU-21

Type: number

Format: counter

cpu-22

Description Control CPU-22

Type: number

Format: counter

cpu-23

Description Control CPU-23

Type: number

Format: counter

cpu-24

Description Control CPU-24

Type: number

Format: counter

cpu-25

Description Control CPU-25

Type: number

Format: counter

cpu-26

Description Control CPU-26

Type: number

Format: counter

cpu-27

Description Control CPU-27

Type: number

Format: counter

cpu-28

Description Control CPU-28

Type: number

Format: counter

cpu-29

Description Control CPU-29

Type: number

Format: counter

cpu-3

Description Control CPU-3

Type: number

Format: counter

cpu-30

Description Control CPU-30

Type: number

Format: counter

cpu-31

Description Control CPU-31

Type: number

Format: counter

cpu-32

Description Control CPU-32

Type: number

Format: counter

cpu-33

Description Control CPU-33

Type: number

Format: counter

cpu-34

Description Control CPU-34

Type: number

Format: counter

cpu-35

Description Control CPU-35

Type: number

Format: counter

cpu-36

Description Control CPU-36

Type: number

Format: counter

cpu-37

Description Control CPU-37

Type: number

Format: counter

cpu-38

Description Control CPU-38

Type: number

Format: counter

cpu-39

Description Control CPU-39

Type: number

Format: counter

cpu-4

Description Control CPU-4

Type: number

Format: counter

cpu-40

Description Control CPU-40

Type: number

Format: counter

cpu-41

Description Control CPU-41

Type: number

Format: counter

cpu-42

Description Control CPU-42

Type: number

Format: counter

cpu-43

Description Control CPU-43

Type: number

Format: counter

cpu-44

Description Control CPU-44

Type: number

Format: counter

cpu-45

Description Control CPU-45

Type: number

Format: counter

cpu-46

Description Control CPU-46

Type: number

Format: counter

cpu-47

Description Control CPU-47

Type: number

Format: counter

cpu-48

Description Control CPU-48

Type: number

Format: counter

cpu-49

Description Control CPU-49

Type: number

Format: counter

cpu-5

Description Control CPU-5

Type: number

Format: counter

cpu-50

Description Control CPU-50

Type: number

Format: counter

cpu-51

Description Control CPU-51

Type: number

Format: counter

cpu-52

Description Control CPU-52

Type: number

Format: counter

cpu-53

Description Control CPU-53

Type: number

Format: counter

cpu-54

Description Control CPU-54

Type: number

Format: counter

cpu-55

Description Control CPU-55

Type: number

Format: counter

cpu-56

Description Control CPU-56

Type: number

Format: counter

cpu-57

Description Control CPU-57

Type: number

Format: counter

cpu-58

Description Control CPU-58

Type: number

Format: counter

cpu-59

Description Control CPU-59

Type: number

Format: counter

cpu-6

Description Control CPU-6

Type: number

Format: counter

cpu-60

Description Control CPU-60

Type: number

Format: counter

cpu-61

Description Control CPU-61

Type: number

Format: counter

cpu-62

Description Control CPU-62

Type: number

Format: counter

cpu-63

Description Control CPU-63

Type: number

Format: counter

cpu-64

Description Control CPU-64

Type: number

Format: counter

cpu-7

Description Control CPU-7

Type: number

Format: counter

cpu-8

Description Control CPU-8

Type: number

Format: counter

cpu-9

Description Control CPU-9

Type: number

Format: counter

ctrl-cpu-number

Description Number of ctrl cpus

Type: number

Format: counter

2.129.20 system core oper

Operational Status for the object core

core Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	core
Element URI	/axapi/v3/system/core/oper
Element Attributes	core_attributes
Partition Visibility	None
Schema	`core schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/core/oper

core attributes

Get Object

GET

/axapi/v3/system/core/oper

core attributes

Modify Object

POST

/axapi/v3/system/core/oper

core attributes

Replace Object

PUT

/axapi/v3/system/core/oper

core attributes

Delete Object

DELETE

/axapi/v3/system/core/oper

core attributes

core attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

file-list

Type: List

oper_file-list

Specification	Value
Type	*list*
Block object keys	

file

Description

Type: string

size

Description

Type: number

update-time

Description

Type: string

2.129.21 system cosq-show oper

Operational Status for the object cosq-show

cosq-show Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cosq-show
Element URI	/axapi/v3/system/cosq-show/oper
Element Attributes	cosq-show_attributes
Partition Visibility	None
Schema	`cosq-show schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cosq-show/oper

cosq-show attributes

Get Object

GET

/axapi/v3/system/cosq-show/oper

cosq-show attributes

Modify Object

POST

/axapi/v3/system/cosq-show/oper

cosq-show attributes

Replace Object

PUT

/axapi/v3/system/cosq-show/oper

cosq-show attributes

Delete Object

DELETE

/axapi/v3/system/cosq-show/oper

cosq-show attributes

cosq-show attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

pkt-percosq

Description

Type: number

2.129.22 system cosq-stats oper

Operational Status for the object cosq-stats

cosq-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cosq-stats
Element URI	/axapi/v3/system/cosq-stats/oper
Element Attributes	cosq-stats_attributes
Partition Visibility	None
Schema	`cosq-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cosq-stats/oper

cosq-stats attributes

Get Object

GET

/axapi/v3/system/cosq-stats/oper

cosq-stats attributes

Modify Object

POST

/axapi/v3/system/cosq-stats/oper

cosq-stats attributes

Replace Object

PUT

/axapi/v3/system/cosq-stats/oper

cosq-stats attributes

Delete Object

DELETE

/axapi/v3/system/cosq-stats/oper

cosq-stats attributes

cosq-stats attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cosq-index

Description

Type: number

cosq-list

Type: List

oper_cosq-list

Specification	Value
Type	*list*
Block object keys	

cosq-congdrop

Description

Type: number

cosq-drop

Description

Type: number

cosq-inpkt

Description

Type: number

cosq-outpkt

Description

Type: number

cosq-sharedpkt

Description

Type: number

cosq-uccongdrop

Description

Type: number

cosq-ucpeakpkt

Description

Type: number

ethernet-index

Description

Type: number

interface-name

Description

Type: string

xaui-index

Description

Type: number

2.129.23 system counter-lib-accounting

System Counter library accounting

counter-lib-accounting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	counter-lib-accounting
Element URI	/axapi/v3/system/counter-lib-accounting
Element Attributes	counter-lib-accounting_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/counter-lib-accounting/stats
Schema	`counter-lib-accounting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

Get Object

GET

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

Modify Object

POST

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

Replace Object

PUT

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

Delete Object

DELETE

/axapi/v3/system/counter-lib-accounting

counter-lib-accounting attributes

counter-lib-accounting attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.24 system counter-lib-accounting stats

Statistics for the object counter-lib-accounting

counter-lib-accounting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	counter-lib-accounting
Element URI	/axapi/v3/system/counter-lib-accounting/stats
Element Attributes	counter-lib-accounting_attributes
Partition Visibility	None
Schema	`counter-lib-accounting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/counter-lib-accounting/stats

counter-lib-accounting attributes

Get Object

GET

/axapi/v3/system/counter-lib-accounting/stats

counter-lib-accounting attributes

Modify Object

POST

/axapi/v3/system/counter-lib-accounting/stats

counter-lib-accounting attributes

Replace Object

PUT

/axapi/v3/system/counter-lib-accounting/stats

counter-lib-accounting attributes

Delete Object

DELETE

/axapi/v3/system/counter-lib-accounting/stats

counter-lib-accounting attributes

counter-lib-accounting attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

total-blocks-in-hash

Description Total blocks in hash table

Type: number

Format: counter

total-blocks-in-rml-hash

Description Total blocks in rml in hash table

Type: number

Format: counter

total-ctr-alloc

Description Total counters allocated

Type: number

Format: counter

total-ctr-freed

Description Total counters actually freed

Type: number

Format: counter

total-ctr-in-rml

Description Total counters put in rml queue

Type: number

Format: counter

total-ctr-in-system

Description Total counters currently allocated in system

Type: number

Format: counter

total-memblocks-alloc-avro

Description Total memory blocks allocated by avro lib

Type: number

Format: counter

total-memblocks-free-avro

Description Total memory blocks freed by avro lib

Type: number

Format: counter

total-memblocks-realloc-avro

Description Total memory blocks realloc by avro lib

Type: number

Format: counter

total-nodes-alloc

Description Total nodes allocated(sflow/history/telemetry/cpu-compute)

Type: number

Format: counter

total-nodes-free

Description Total nodes freed(sflow/history/telemetry/cpu-compute)

Type: number

Format: counter

total-nodes-free-failed

Description Total nodes free failed

Type: number

Format: counter

total-nodes-in-rml

Description Total nodes put in rml queue

Type: number

Format: counter

total-nodes-in-system

Description Total nodes currently allocated in system

Type: number

Format: counter

total-nodes-unlink-failed

Description Total nodes unlink failed

Type: number

Format: counter

total-oper-alloc

Description Total oper blocks allocated

Type: number

Format: counter

total-oper-free

Description Total oper blocks freed

Type: number

Format: counter

2.129.25 system cpu-list oper

Operational Status for the object cpu-list

cpu-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cpu-list
Element URI	/axapi/v3/system/cpu-list/oper
Element Attributes	cpu-list_attributes
Partition Visibility	None
Schema	`cpu-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cpu-list/oper

cpu-list attributes

Get Object

GET

/axapi/v3/system/cpu-list/oper

cpu-list attributes

Modify Object

POST

/axapi/v3/system/cpu-list/oper

cpu-list attributes

Replace Object

PUT

/axapi/v3/system/cpu-list/oper

cpu-list attributes

Delete Object

DELETE

/axapi/v3/system/cpu-list/oper

cpu-list attributes

cpu-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

system-cpu-list

Type: List

oper_system-cpu-list

Specification	Value
Type	*list*
Block object keys	

CPU-IDX

Description

Type: string

CPU-Num

Description

Type: string

HT-CPU

Description

Type: string

NUMA-NODE

Description

Type: string

status

Description

Type: string

2.129.26 system cpu-load-sharing

Redistribute packets uniformly to all CPUs during overload situations

cpu-load-sharing Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cpu-load-sharing
Element URI	/axapi/v3/system/cpu-load-sharing
Element Attributes	cpu-load-sharing_attributes
Partition Visibility	shared
Schema	`cpu-load-sharing schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

```
POST /axapi/v3/system/cpu-load-sharing
Payload:
{
    "cpu-load-sharing": {
        "disable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

```
GET /axapi/v3/system/cpu-load-sharing
Reponse:
{
    "cpu-load-sharing": {
        "disable": 1,
        "packets-per-second": {
            "min": 100000
        },
        "cpu-usage": {
            "low": 60,
            "high": 75
        },
        "allow-l7-sessions": 0,
        "tcp": 0,
        "udp": 0,
        "others": 0,
        "uuid": "57399e8c-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/cpu-load-sharing"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

Replace Object

PUT

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

```
PUT /axapi/v3/system/cpu-load-sharing
Payload:
{
    "cpu-load-sharing": {
        "disable": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/system/cpu-load-sharing

cpu-load-sharing attributes

```
DELETE /axapi/v3/system/cpu-load-sharing
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

cpu-load-sharing attributes

allow-l7-sessions

Description Allow L7 sessions forward to home cpu

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

cpu-usage

Description: cpu-usage is a **JSON Block**. Please see below for *cpu-usage*

Type: Object

disable

Description Disable CPU load sharing in overload situations

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

others

Description Disallow redistribution of new non TCP/UDP IP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

packets-per-second

Description: packets-per-second is a **JSON Block**. Please see below for *packets-per-second*

Type: Object

tcp

Description Disallow redistribution of new TCP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

udp

Description Disallow redistribution of new UDP sessions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

cpu-usage

Specification	Value
Type	*object*

high

Description CPU usage threshold (percentage) that will trigger the redistribution (default: 75)

Type: number

Range: 0-100

Default: 75

low

Description CPU usage threshold (percentage) that will restore the normal packet distribution (default: 60)

Type: number

Range: 0-100

Default: 60

packets-per-second

Specification	Value
Type	*object*

min

Description Minimum packets-per-second threshold (per CPU) before redistribution will take effect (Minimum packets-per-second threshold (per CPU) before redistribution will take effect (default: 100000))

Type: number

Range: 0-30000000

Default: 100000

2.129.27 system cpu-map oper

Operational Status for the object cpu-map

cpu-map Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	cpu-map
Element URI	/axapi/v3/system/cpu-map/oper
Element Attributes	cpu-map_attributes
Partition Visibility	None
Schema	`cpu-map schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/cpu-map/oper

cpu-map attributes

Get Object

GET

/axapi/v3/system/cpu-map/oper

cpu-map attributes

Modify Object

POST

/axapi/v3/system/cpu-map/oper

cpu-map attributes

Replace Object

PUT

/axapi/v3/system/cpu-map/oper

cpu-map attributes

Delete Object

DELETE

/axapi/v3/system/cpu-map/oper

cpu-map attributes

cpu-map attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

system-cpu-map

Type: List

oper_system-cpu-map

Specification	Value
Type	*list*
Block object keys	

CPU-IDX

Description

Type: string

cpu-type

Description

Type: string

2.129.28 system data-cpu

System data cpu information

data-cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	data-cpu
Element URI	/axapi/v3/system/data-cpu
Element Attributes	data-cpu_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/data-cpu/stats
Schema	`data-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/data-cpu

data-cpu attributes

Get Object

GET

/axapi/v3/system/data-cpu

data-cpu attributes

Modify Object

POST

/axapi/v3/system/data-cpu

data-cpu attributes

Replace Object

PUT

/axapi/v3/system/data-cpu

data-cpu attributes

Delete Object

DELETE

/axapi/v3/system/data-cpu

data-cpu attributes

data-cpu attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.29 system data-cpu stats

Statistics for the object data-cpu

data-cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	data-cpu
Element URI	/axapi/v3/system/data-cpu/stats
Element Attributes	data-cpu_attributes
Partition Visibility	None
Schema	`data-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/data-cpu/stats

data-cpu attributes

Get Object

GET

/axapi/v3/system/data-cpu/stats

data-cpu attributes

Modify Object

POST

/axapi/v3/system/data-cpu/stats

data-cpu attributes

Replace Object

PUT

/axapi/v3/system/data-cpu/stats

data-cpu attributes

Delete Object

DELETE

/axapi/v3/system/data-cpu/stats

data-cpu attributes

data-cpu attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

cpu-1

Description Data CPU-1

Type: number

Format: counter

cpu-10

Description Data CPU-10

Type: number

Format: counter

cpu-100

Description Data CPU-100

Type: number

Format: counter

cpu-11

Description Data CPU-11

Type: number

Format: counter

cpu-12

Description Data CPU-12

Type: number

Format: counter

cpu-13

Description Data CPU-13

Type: number

Format: counter

cpu-14

Description Data CPU-14

Type: number

Format: counter

cpu-15

Description Data CPU-15

Type: number

Format: counter

cpu-16

Description Data CPU-16

Type: number

Format: counter

cpu-17

Description Data CPU-17

Type: number

Format: counter

cpu-18

Description Data CPU-18

Type: number

Format: counter

cpu-19

Description Data CPU-19

Type: number

Format: counter

cpu-2

Description Data CPU-2

Type: number

Format: counter

cpu-20

Description Data CPU-20

Type: number

Format: counter

cpu-21

Description Data CPU-21

Type: number

Format: counter

cpu-22

Description Data CPU-22

Type: number

Format: counter

cpu-23

Description Data CPU-23

Type: number

Format: counter

cpu-24

Description Data CPU-24

Type: number

Format: counter

cpu-25

Description Data CPU-25

Type: number

Format: counter

cpu-26

Description Data CPU-26

Type: number

Format: counter

cpu-27

Description Data CPU-27

Type: number

Format: counter

cpu-28

Description Data CPU-28

Type: number

Format: counter

cpu-29

Description Data CPU-29

Type: number

Format: counter

cpu-3

Description Data CPU-3

Type: number

Format: counter

cpu-30

Description Data CPU-30

Type: number

Format: counter

cpu-31

Description Data CPU-31

Type: number

Format: counter

cpu-32

Description Data CPU-32

Type: number

Format: counter

cpu-33

Description Data CPU-33

Type: number

Format: counter

cpu-34

Description Data CPU-34

Type: number

Format: counter

cpu-35

Description Data CPU-35

Type: number

Format: counter

cpu-36

Description Data CPU-36

Type: number

Format: counter

cpu-37

Description Data CPU-37

Type: number

Format: counter

cpu-38

Description Data CPU-38

Type: number

Format: counter

cpu-39

Description Data CPU-39

Type: number

Format: counter

cpu-4

Description Data CPU-4

Type: number

Format: counter

cpu-40

Description Data CPU-40

Type: number

Format: counter

cpu-41

Description Data CPU-41

Type: number

Format: counter

cpu-42

Description Data CPU-42

Type: number

Format: counter

cpu-43

Description Data CPU-43

Type: number

Format: counter

cpu-44

Description Data CPU-44

Type: number

Format: counter

cpu-45

Description Data CPU-45

Type: number

Format: counter

cpu-46

Description Data CPU-46

Type: number

Format: counter

cpu-47

Description Data CPU-47

Type: number

Format: counter

cpu-48

Description Data CPU-48

Type: number

Format: counter

cpu-49

Description Data CPU-49

Type: number

Format: counter

cpu-5

Description Data CPU-5

Type: number

Format: counter

cpu-50

Description Data CPU-50

Type: number

Format: counter

cpu-51

Description Data CPU-51

Type: number

Format: counter

cpu-52

Description Data CPU-52

Type: number

Format: counter

cpu-53

Description Data CPU-53

Type: number

Format: counter

cpu-54

Description Data CPU-54

Type: number

Format: counter

cpu-55

Description Data CPU-55

Type: number

Format: counter

cpu-56

Description Data CPU-56

Type: number

Format: counter

cpu-57

Description Data CPU-57

Type: number

Format: counter

cpu-58

Description Data CPU-58

Type: number

Format: counter

cpu-59

Description Data CPU-59

Type: number

Format: counter

cpu-6

Description Data CPU-6

Type: number

Format: counter

cpu-60

Description Data CPU-60

Type: number

Format: counter

cpu-61

Description Data CPU-61

Type: number

Format: counter

cpu-62

Description Data CPU-62

Type: number

Format: counter

cpu-63

Description Data CPU-63

Type: number

Format: counter

cpu-64

Description Data CPU-64

Type: number

Format: counter

cpu-65

Description Data CPU-65

Type: number

Format: counter

cpu-66

Description Data CPU-66

Type: number

Format: counter

cpu-67

Description Data CPU-67

Type: number

Format: counter

cpu-68

Description Data CPU-68

Type: number

Format: counter

cpu-69

Description Data CPU-69

Type: number

Format: counter

cpu-7

Description Data CPU-7

Type: number

Format: counter

cpu-70

Description Data CPU-70

Type: number

Format: counter

cpu-71

Description Data CPU-71

Type: number

Format: counter

cpu-72

Description Data CPU-72

Type: number

Format: counter

cpu-73

Description Data CPU-73

Type: number

Format: counter

cpu-74

Description Data CPU-74

Type: number

Format: counter

cpu-75

Description Data CPU-75

Type: number

Format: counter

cpu-76

Description Data CPU-76

Type: number

Format: counter

cpu-77

Description Data CPU-77

Type: number

Format: counter

cpu-78

Description Data CPU-78

Type: number

Format: counter

cpu-79

Description Data CPU-79

Type: number

Format: counter

cpu-8

Description Data CPU-8

Type: number

Format: counter

cpu-80

Description Data CPU-80

Type: number

Format: counter

cpu-81

Description Data CPU-81

Type: number

Format: counter

cpu-82

Description Data CPU-82

Type: number

Format: counter

cpu-83

Description Data CPU-83

Type: number

Format: counter

cpu-84

Description Data CPU-84

Type: number

Format: counter

cpu-85

Description Data CPU-85

Type: number

Format: counter

cpu-86

Description Data CPU-86

Type: number

Format: counter

cpu-87

Description Data CPU-87

Type: number

Format: counter

cpu-88

Description Data CPU-88

Type: number

Format: counter

cpu-89

Description Data CPU-89

Type: number

Format: counter

cpu-9

Description Data CPU-9

Type: number

Format: counter

cpu-90

Description Data CPU-90

Type: number

Format: counter

cpu-91

Description Data CPU-91

Type: number

Format: counter

cpu-92

Description Data CPU-92

Type: number

Format: counter

cpu-93

Description Data CPU-93

Type: number

Format: counter

cpu-94

Description Data CPU-94

Type: number

Format: counter

cpu-95

Description Data CPU-95

Type: number

Format: counter

cpu-96

Description Data CPU-96

Type: number

Format: counter

cpu-97

Description Data CPU-97

Type: number

Format: counter

cpu-98

Description Data CPU-98

Type: number

Format: counter

cpu-99

Description Data CPU-99

Type: number

Format: counter

data-cpu-number

Description Number of data cpus

Type: number

Format: counter

2.129.30 system dns

DNS Packet Statistics

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/system/dns
Element Attributes	dns_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/dns/stats
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dns

dns attributes

```
POST /axapi/v3/system/dns
Payload:
{
    "dns": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/dns

dns attributes

```
GET /axapi/v3/system/dns
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "dns": {
        "uuid": "573a72a8-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/dns"
    }
}
```

Modify Object

POST

/axapi/v3/system/dns

dns attributes

Replace Object

PUT

/axapi/v3/system/dns

dns attributes

```
PUT /axapi/v3/system/dns
Payload:
{
    "dns": {
        "sampling-enable": [
            {
                "counters1": "slb_req"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/dns

dns attributes

```
DELETE /axapi/v3/system/dns
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

dns attributes

recursive-nameserver

Description: recursive-nameserver is a **JSON Block**. Please see below for *recursive-nameserver*

Type: Object

Reference Object: */axapi/v3/system/dns/recursive-nameserver*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'slb_req': No. of requests; 'slb_resp': No. of responses; 'slb_no_resp': No. of requests with no response; 'slb_req_rexmit': No. of requests retransmit; 'slb_resp_no_match': No. of requests and responses with no match; 'slb_no_resource': No. of resource failures; 'nat_req': (NAT) No. of requests; 'nat_resp': (NAT) No. of responses; 'nat_no_resp': (NAT) No. of resource failures; 'nat_req_rexmit': (NAT) No. of request retransmits; 'nat_resp_no_match': (NAT) No. of requests with no response; 'nat_no_resource': (NAT) No. of resource failures; 'nat_xid_reused': (NAT) No. of requests reusing a transaction id; 'filter_type_drop': Total Query Type Drop; 'filter_class_drop': Total Query Class Drop; 'filter_type_any_drop': Total Query ANY Type Drop; 'slb_dns_client_ssl_succ': No. of client ssl success; 'slb_dns_server_ssl_succ': No. of server ssl success; 'slb_dns_udp_conn': No. of backend udp connections; 'slb_dns_udp_conn_succ': No. of backend udp conn established; 'slb_dns_padding_to_server_removed': some help string; 'slb_dns_padding_to_client_added': some help string; 'slb_dns_edns_subnet_to_server_removed': some help string; 'slb_dns_udp_retransmit': some help string; 'slb_dns_udp_retransmit_fail': some help string; 'rpz_action_drop': RPZ Action Drop; 'rpz_action_pass_thru': RPZ Action Pass Through; 'rpz_action_tcp_only': RPZ Action TCP Only; 'rpz_action_nxdomain': RPZ Action NXDOMAIN; 'rpz_action_nodata': RPZ Action NODATA; 'rpz_action_local_data': RPZ Action Local Data; 'slb_drop': DNS requests drop; 'nat_slb_drop': (NAT)DNS requests drop; 'invalid_q_len_to_udp': invalid

query length to conver to UDP; 'slb_dns_edns_ecs_received': Number of ecs from client received; 'slb_dns_edns_ecs_inserted': Number of ecs inserted;

Type: string

Supported Values: all, slb_req, slb_resp, slb_no_resp, slb_req_rexmit, slb_resp_no_match, slb_no_resource, nat_req, nat_resp, nat_no_resp, nat_req_rexmit, nat_resp_no_match, nat_no_resource, nat_xid_reused, filter_type_drop, filter_class_drop, filter_type_any_drop, slb_dns_client_ssl_succ, slb_dns_server_ssl_succ, slb_dns_udp_conn, slb_dns_udp_conn_succ, slb_dns_padding_to_server_removed, slb_dns_padding_to_client_added, slb_dns_edns_subnet_to_server_removed, slb_dns_udp_retransmit, slb_dns_udp_retransmit_fail, rpz_action_drop, rpz_action_pass_thru, rpz_action_tcp_only, rpz_action_nxdomain, rpz_action_nodata, rpz_action_local_data, slb_drop, nat_slb_drop, invalid_q_len_to_udp, slb_dns_edns_ecs_received, slb_dns_edns_ecs_inserted

recursive-nameserver

Specification	Value
Type	*object*

follow-shared

Description Use the configured name servers of shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

recursive-nameserver_server-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description Specify IPv4 server address

Type: string

Format: ipv4-address

ipv6-addr

Description Specify IPv6 server address

Type: string

Format: ipv6-address

v4-desc

Description Description for this ipv4 address

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v6-desc

Description Description for this ipv6 address

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.129.31 system dns-cache

DNS Cache Statistics

dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-cache
Element URI	/axapi/v3/system/dns-cache
Element Attributes	dns-cache_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/dns-cache/stats
Operational Data URI	/axapi/v3/system/dns-cache/oper
Schema	`dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dns-cache

dns-cache attributes

```
POST /axapi/v3/system/dns-cache
Payload:
{
    "dns-cache": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/dns-cache

dns-cache attributes

```
GET /axapi/v3/system/dns-cache
Reponse:
{
    "dns-cache": {
        "uuid": "573a7456-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/dns-cache"
    }
}
```

Modify Object

POST

/axapi/v3/system/dns-cache

dns-cache attributes

Replace Object

PUT

/axapi/v3/system/dns-cache

dns-cache attributes

```
PUT /axapi/v3/system/dns-cache
Payload:
{
    "dns-cache": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "total_q"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/dns-cache

dns-cache attributes

```
DELETE /axapi/v3/system/dns-cache
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

dns-cache attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_q': Total query; 'total_r': Total server response; 'hit': Total cache hit; 'bad_q': Query not passed; 'encode_q': Query encoded; 'multiple_q': Query with multiple questions; 'oversize_q': Query exceed cache size; 'bad_r': Response not passed; 'oversize_r': Response exceed cache size; 'encode_r': Response encoded; 'multiple_r': Response with multiple questions; 'answer_r': Response with multiple answers; 'ttl_r': Response with

short TTL; 'ageout': Total aged out; 'bad_answer': Bad Answer; 'ageout_weight': Total aged for lower weight; 'total_log': Total stats log sent; 'total_alloc': Total allocated; 'total_freed': Total freed; 'current_allocate': Current allocate; 'current_data_allocate': Current data allocate; 'resolver_queue_full': Resolver task queue full; 'truncated_r': Response with Truncation bit set;

Type: string

Supported Values: all, total_q, total_r, hit, bad_q, encode_q, multiple_q, oversize_q, bad_r, oversize_r, encode_r, multiple_r, answer_r, ttl_r, ageout, bad_answer, ageout_weight, total_log, total_alloc, total_freed, current_allocate, current_data_allocate, resolver_queue_full, truncated_r, qps, hit_rate_per_sec

2.129.32 system dns-cache oper

Operational Status for the object dns-cache

dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-cache
Element URI	/axapi/v3/system/dns-cache/oper
Element Attributes	dns-cache_attributes
Partition Visibility	None
Schema	`dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dns-cache/oper

dns-cache attributes

Get Object

GET

/axapi/v3/system/dns-cache/oper

dns-cache attributes

Modify Object

POST

/axapi/v3/system/dns-cache/oper

dns-cache attributes

Replace Object

PUT

/axapi/v3/system/dns-cache/oper

dns-cache attributes

Delete Object

DELETE

/axapi/v3/system/dns-cache/oper

dns-cache attributes

dns-cache attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cache-client

Type: List

cache-content

Description

Type: boolean

Supported Values: true, false, 1, 0

cache-entry

Type: List

cache_hit_ratio

Description

Type: string

cache_usage

Description

Type: string

class-string

Description

Type: string

Supported Values: IN, CH, HS, NONE, ANY

class-value

Description type value

Type: number

Range: 1-65535

client

Description

Type: boolean

Supported Values: true, false, 1, 0

content-mode

Description

Type: string

Supported Values: brief, detailed

domain-name

Description domain name

Type: string

Format: string-rlx

entry

Description

Type: boolean

Supported Values: true, false, 1, 0

fqdn-domain

Description domain name

Type: string

Format: string-rlx

global

Description

Type: boolean

Supported Values: true, false, 1, 0

hit_ratio_percentage_per_sec

Description

Type: number

port-num

Description

Type: number

port-type

Description

Type: string

rdata-all

Description

Type: boolean

Supported Values: true, false, 1, 0

rdata-size-value

Description

Type: number

Range: 1-8192

record-all

Description

Type: boolean

Supported Values: true, false, 1, 0

record-num-value

Description

Type: number

Range: 1-1024

total

Description

Type: number

type-string

Description

Type: string

Supported Values: A, AAAA, CNAE, MX, NS, SRV

type-value

Description

Type: number

Range: 1-65535

vport

Description

Type: boolean

Supported Values: true, false, 1, 0

vs-name

Description

Type: string

oper_cache-entry

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

an_count

Description

Type: number

ar_count

Description

Type: number

cache_class

Description

Type: number

cache_negative

Description

Type: number

cache_type

Description

Type: number

dnssec

Description

Type: number

domain

Description

Type: string

entry-record

Type: List

hits

Description

Type: number

name

Description

Type: string

ns_count

Description

Type: number

q_length

Description

Type: number

r_length

Description

Type: number

ttl

Description

Type: number

weight

Description

Type: number

oper_cache-entry_entry-record

Specification	Value
Type	*list*
Block object keys	

record_class

Description

Type: number

record_rdata

Description

Type: string

record_rdata_tc

Description

Type: number

record_rdlen

Description

Type: number

record_ttl

Description

Type: number

record_type

Description

Type: number

oper_cache-client

Specification	Value
Type	*list*
Block object keys	

address

Description

Type: string

curr_rate

Description

Type: number

domain

Description

Type: string

lockup

Description

Type: number

lockup_time

Description

Type: number

over_rate_limit_times

Description

Type: number

unit_type

Description

Type: string

2.129.33 system dns-cache stats

Statistics for the object dns-cache

dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns-cache
Element URI	/axapi/v3/system/dns-cache/stats
Element Attributes	dns-cache_attributes
Partition Visibility	None
Schema	`dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dns-cache/stats

dns-cache attributes

Get Object

GET

/axapi/v3/system/dns-cache/stats

dns-cache attributes

Modify Object

POST

/axapi/v3/system/dns-cache/stats

dns-cache attributes

Replace Object

PUT

/axapi/v3/system/dns-cache/stats

dns-cache attributes

Delete Object

DELETE

/axapi/v3/system/dns-cache/stats

dns-cache attributes

dns-cache attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

ageout

Description Total aged out

Type: number

Format: counter

ageout_weight

Description Total aged for lower weight

Type: number

Format: counter

answer_r

Description Response with multiple answers

Type: number

Format: counter

bad_answer

Description Bad Answer

Type: number

Format: counter

bad_q

Description Query not passed

Type: number

Format: counter

bad_r

Description Response not passed

Type: number

Format: counter

current_allocate

Description Current allocate

Type: number

Format: counter

current_data_allocate

Description Current data allocate

Type: number

Format: counter

encode_q

Description Query encoded

Type: number

Format: counter

encode_r

Description Response encoded

Type: number

Format: counter

hit

Description Total cache hit

Type: number

Format: counter

hit_rate_per_sec

Description Cache hit rate per second

Type: number

Format: counter

multiple_q

Description Query with multiple questions

Type: number

Format: counter

multiple_r

Description Response with multiple questions

Type: number

Format: counter

oversize_q

Description Query exceed cache size

Type: number

Format: counter

oversize_r

Description Response exceed cache size

Type: number

Format: counter

qps

Description Cache Queries-per-second

Type: number

Format: counter

resolver_queue_full

Description Resolver task queue full

Type: number

Format: counter

total_alloc

Description Total allocated

Type: number

Format: counter

total_freed

Description Total freed

Type: number

Format: counter

total_log

Description Total stats log sent

Type: number

Format: counter

total_q

Description Total query

Type: number

Format: counter

total_r

Description Total server response

Type: number

Format: counter

truncated_r

Description Response with Truncation bit set

Type: number

Format: counter

ttl_r

Description Response with short TTL

Type: number

Format: counter

2.129.34 system dns recursive-nameserver

Configure default DNS authoritative name servers for recursive DNS resolver

recursive-nameserver Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	recursive-nameserver
Element URI	/axapi/v3/system/dns/recursive-nameserver
Element Attributes	recursive-nameserver_attributes
Partition Visibility	shared
Schema	`recursive-nameserver schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dns/recursive-nameserver

recursive-nameserver attributes

```
POST /axapi/v3/system/dns/recursive-nameserver
Payload:
{
    "recursive-nameserver": {
        "server-list": [
            {
                "ipv4-addr": "3.3.3.3"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/dns/recursive-nameserver

recursive-nameserver attributes

```
GET /axapi/v3/system/dns/recursive-nameserver
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "recursive-nameserver": {
        "server-list": [
            {
                "ipv4-addr": "3.3.3.3"
            }
        ],
        "uuid": "a7c4f0ec-b708-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/dns/recursive-nameserver"
    }
}
```

Modify Object

POST

/axapi/v3/system/dns/recursive-nameserver

recursive-nameserver attributes

Replace Object

PUT

/axapi/v3/system/dns/recursive-nameserver

recursive-nameserver attributes

```
PUT /axapi/v3/system/dns/recursive-nameserver
Payload:
{
    "recursive-nameserver": {
        "server-list": [
            {
                "ipv4-addr": "3.3.3.4"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/dns/recursive-nameserver

recursive-nameserver attributes

```
DELETE /axapi/v3/system/dns/recursive-nameserver
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

recursive-nameserver attributes

follow-shared

Description Use the configured name servers of shared partition

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

server-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description Specify IPv4 server address

Type: string

Format: ipv4-address

ipv6-addr

Description Specify IPv6 server address

Type: string

Format: ipv6-address

v4-desc

Description Description for this ipv4 address

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

v6-desc

Description Description for this ipv6 address

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

2.129.35 system dns stats

Statistics for the object dns

dns Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dns
Element URI	/axapi/v3/system/dns/stats
Element Attributes	dns_attributes
Partition Visibility	None
Schema	`dns schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dns/stats

dns attributes

Get Object

GET

/axapi/v3/system/dns/stats

dns attributes

Modify Object

POST

/axapi/v3/system/dns/stats

dns attributes

Replace Object

PUT

/axapi/v3/system/dns/stats

dns attributes

Delete Object

DELETE

/axapi/v3/system/dns/stats

dns attributes

dns attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

filter_class_drop

Description Total Query Class Drop

Type: number

Format: counter

filter_type_any_drop

Description Total Query ANY Type Drop

Type: number

Format: counter

filter_type_drop

Description Total Query Type Drop

Type: number

Format: counter

invalid_q_len_to_udp

Description invalid query length to conver to UDP

Type: number

Format: counter

nat_no_resource

Description (NAT) No. of resource failures

Type: number

Format: counter

nat_no_resp

Description (NAT) No. of resource failures

Type: number

Format: counter

nat_req

Description (NAT) No. of requests

Type: number

Format: counter

nat_req_rexmit

Description (NAT) No. of request retransmits

Type: number

Format: counter

nat_resp

Description (NAT) No. of responses

Type: number

Format: counter

nat_resp_no_match

Description (NAT) No. of requests with no response

Type: number

Format: counter

nat_slb_drop

Description (NAT)DNS requests drop

Type: number

Format: counter

nat_xid_reused

Description (NAT) No. of requests reusing a transaction id

Type: number

Format: counter

rpz_action_drop

Description RPZ Action Drop

Type: number

Format: counter

rpz_action_local_data

Description RPZ Action Local Data

Type: number

Format: counter

rpz_action_nodata

Description RPZ Action NODATA

Type: number

Format: counter

rpz_action_nxdomain

Description RPZ Action NXDOMAIN

Type: number

Format: counter

rpz_action_pass_thru

Description RPZ Action Pass Through

Type: number

Format: counter

rpz_action_tcp_only

Description RPZ Action TCP Only

Type: number

Format: counter

slb_dns_client_ssl_succ

Description No. of client ssl success

Type: number

Format: counter

slb_dns_edns_ecs_inserted

Description Number of ecs inserted

Type: number

Format: counter

slb_dns_edns_ecs_received

Description Number of ecs from client received

Type: number

Format: counter

slb_dns_edns_subnet_to_server_removed

Description some help string

Type: number

Format: counter

slb_dns_padding_to_client_added

Description some help string

Type: number

Format: counter

slb_dns_padding_to_server_removed

Description some help string

Type: number

Format: counter

slb_dns_server_ssl_succ

Description No. of server ssl success

Type: number

Format: counter

slb_dns_udp_conn

Description No. of backend udp connections

Type: number

Format: counter

slb_dns_udp_conn_succ

Description No. of backend udp conn established

Type: number

Format: counter

slb_dns_udp_retransmit

Description some help string

Type: number

Format: counter

slb_dns_udp_retransmit_fail

Description some help string

Type: number

Format: counter

slb_drop

Description DNS requests drop

Type: number

Format: counter

slb_no_resource

Description No. of resource failures

Type: number

Format: counter

slb_no_resp

Description No. of requests with no response

Type: number

Format: counter

slb_req

Description No. of requests

Type: number

Format: counter

slb_req_rexmit

Description No. of requests retransmit

Type: number

Format: counter

slb_resp

Description No. of responses

Type: number

Format: counter

slb_resp_no_match

Description No. of requests and responses with no match

Type: number

Format: counter

2.129.36 system domain-list-info

Display domian-list Information

domain-list-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	domain-list-info
Element URI	/axapi/v3/system/domain-list-info
Element Attributes	domain-list-info_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/domain-list-info/oper
Schema	`domain-list-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/domain-list-info

domain-list-info attributes

Get Object

GET

/axapi/v3/system/domain-list-info

domain-list-info attributes

Modify Object

POST

/axapi/v3/system/domain-list-info

domain-list-info attributes

Replace Object

PUT

/axapi/v3/system/domain-list-info

domain-list-info attributes

Delete Object

DELETE

/axapi/v3/system/domain-list-info

domain-list-info attributes

domain-list-info attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.37 system domain-list-info oper

Operational Status for the object domain-list-info

domain-list-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	domain-list-info
Element URI	/axapi/v3/system/domain-list-info/oper
Element Attributes	domain-list-info_attributes
Partition Visibility	None
Schema	`domain-list-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/domain-list-info/oper

domain-list-info attributes

Get Object

GET

/axapi/v3/system/domain-list-info/oper

domain-list-info attributes

Modify Object

POST

/axapi/v3/system/domain-list-info/oper

domain-list-info attributes

Replace Object

PUT

/axapi/v3/system/domain-list-info/oper

domain-list-info attributes

Delete Object

DELETE

/axapi/v3/system/domain-list-info/oper

domain-list-info attributes

domain-list-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

domain-list

Type: List

oper_domain-list

Specification	Value
Type	*list*
Block object keys	

domain-name

Description

Type: string

hit-count

Description

Type: number

ip

Description

Type: string

ip-number

Description

Type: number

is-ipv6

Description

Type: number

name

Description

Type: string

resolved

Description

Type: number

2.129.38 system domain-list-settings

Configure global domain classification list settings

domain-list-settings Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	domain-list-settings
Element URI	/axapi/v3/system/domain-list-settings
Element Attributes	domain-list-settings_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/domain-list-settings/oper
Schema	`domain-list-settings schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/domain-list-settings

domain-list-settings attributes

```
POST /axapi/v3/system/domain-list-settings
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "domain-list-settings": {
        "polling-interval": "1-second"
    }
}
```

Get Object

GET

/axapi/v3/system/domain-list-settings

domain-list-settings attributes

Modify Object

POST

/axapi/v3/system/domain-list-settings

domain-list-settings attributes

Replace Object

PUT

/axapi/v3/system/domain-list-settings

domain-list-settings attributes

Delete Object

DELETE

/axapi/v3/system/domain-list-settings

domain-list-settings attributes

domain-list-settings attributes

concurrent-task

Description Configure max concurrent AXFR task (Default 6)

Type: number

Range: 1-100

Default: 6

domain-list-per-group

Description '16': Allow 16 domain-list per group (Default); '32': Allow 32 domain-list per group;

Type: string

Supported Values: 16, 32

Default: 16

polling-interval

Description '1-second': Set interval to 1 second; '5-second': Set interval to 5 seconds; '10-second': Set interval to 10 seconds (Default);

Type: string

Supported Values: 1-second, 5-second, 10-second

Default: 10-second

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.39 system domain-list-settings oper

Operational Status for the object domain-list-settings

domain-list-settings Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	domain-list-settings
Element URI	/axapi/v3/system/domain-list-settings/oper
Element Attributes	domain-list-settings_attributes
Partition Visibility	None
Schema	`domain-list-settings schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/domain-list-settings/oper

domain-list-settings attributes

Get Object

GET

/axapi/v3/system/domain-list-settings/oper

domain-list-settings attributes

Modify Object

POST

/axapi/v3/system/domain-list-settings/oper

domain-list-settings attributes

Replace Object

PUT

/axapi/v3/system/domain-list-settings/oper

domain-list-settings attributes

Delete Object

DELETE

/axapi/v3/system/domain-list-settings/oper

domain-list-settings attributes

domain-list-settings attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

exception-entry-num

Description

Type: number

in-prog-entry-num

Description

Type: number

inited-entry-num

Description

Type: number

serial-updated

Description

Type: number

total-entry-num

Description

Type: number

xfr-parse-fail

Description

Type: number

xfr-start-fail

Description

Type: number

xfr-timeout-fail

Description

Type: number

2.129.40 system dpdk-stats

List all DPDK error and drop counters

dpdk-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dpdk-stats
Element URI	/axapi/v3/system/dpdk-stats
Element Attributes	dpdk-stats_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/dpdk-stats/stats
Schema	`dpdk-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dpdk-stats

dpdk-stats attributes

Get Object

GET

/axapi/v3/system/dpdk-stats

dpdk-stats attributes

Modify Object

POST

/axapi/v3/system/dpdk-stats

dpdk-stats attributes

Replace Object

PUT

/axapi/v3/system/dpdk-stats

dpdk-stats attributes

Delete Object

DELETE

/axapi/v3/system/dpdk-stats

dpdk-stats attributes

dpdk-stats attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'pkt-drop': Total packet drop; 'pkt-lnk-down-drop': Total packets link down drop; 'err-pkt-drop': Total error packet drop; 'rx-err': Total RX packet error; 'tx-err': Total TX packet error; 'tx-drop': Total TX packet drop; 'rx-len-err': Total RX packet length error; 'rx-over-err': Total RX packet over error; 'rx-crc-err': Total RX packet CRC error; 'rx-frame-err': Total RX packet frame error; 'rx-no-buff-err': Total RX packet no buffer error; 'rx-miss-err': Total RX packet miss error; 'tx-abort-err': Total TX packet abort error; 'tx-carrier-err': Total TX packert carrier error; 'tx-fifo-err': Total TX packet fifo error; 'tx-hbeat-err': Total TX packet HBEAT error; 'tx-windows-err': Total TX windows error; 'rx-long-len-err': Total RX packet long length error; 'rx-short-len-err': Total RX packet short length error; 'rx-align-err': Total RX packet align error; 'rx-csum-offload-err': Total Rx packet check-sum offload error; 'io-rx-que-drop': Total IO core Rx queue drop; 'io-tx-que-drop': Total IO core TX queue drop; 'io-ring-drop': Total IO core ring drop; 'w-tx-que-drop': Total worker core queue drop; 'w-link-down-drop': Total worker core link down drop; 'w-ring-drop': Total worker core ring drop;

Type: string

Supported Values: all, pkt-drop, pkt-lnk-down-drop, err-pkt-drop, rx-err, tx-err, tx-drop, rx-len-err, rx-over-err, rx-crc-err, rx-frame-err, rx-no-buff-err, rx-miss-err, tx-abort-err, tx-carrier-err, tx-fifo-err, tx-hbeat-err, tx-windows-err, rx-long-len-err, rx-short-len-err, rx-align-err, rx-csum-offload-err, io-rx-que-drop, io-tx-que-drop, io-ring-drop, w-tx-que-drop, w-link-down-drop, w-ring-drop

2.129.41 system dpdk-stats stats

Statistics for the object dpdk-stats

dpdk-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	dpdk-stats
Element URI	/axapi/v3/system/dpdk-stats/stats
Element Attributes	dpdk-stats_attributes
Partition Visibility	None
Schema	`dpdk-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/dpdk-stats/stats

dpdk-stats attributes

Get Object

GET

/axapi/v3/system/dpdk-stats/stats

dpdk-stats attributes

Modify Object

POST

/axapi/v3/system/dpdk-stats/stats

dpdk-stats attributes

Replace Object

PUT

/axapi/v3/system/dpdk-stats/stats

dpdk-stats attributes

Delete Object

DELETE

/axapi/v3/system/dpdk-stats/stats

dpdk-stats attributes

dpdk-stats attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

err-pkt-drop

Description Total error packet drop

Type: number

Format: counter

io-ring-drop

Description Total IO core ring drop

Type: number

Format: counter

io-rx-que-drop

Description Total IO core Rx queue drop

Type: number

Format: counter

io-tx-que-drop

Description Total IO core TX queue drop

Type: number

Format: counter

pkt-drop

Description Total packet drop

Type: number

Format: counter

pkt-lnk-down-drop

Description Total packets link down drop

Type: number

Format: counter

rx-align-err

Description Total RX packet align error

Type: number

Format: counter

rx-crc-err

Description Total RX packet CRC error

Type: number

Format: counter

rx-csum-offload-err

Description Total Rx packet check-sum offload error

Type: number

Format: counter

rx-err

Description Total RX packet error

Type: number

Format: counter

rx-frame-err

Description Total RX packet frame error

Type: number

Format: counter

rx-len-err

Description Total RX packet length error

Type: number

Format: counter

rx-long-len-err

Description Total RX packet long length error

Type: number

Format: counter

rx-miss-err

Description Total RX packet miss error

Type: number

Format: counter

rx-no-buff-err

Description Total RX packet no buffer error

Type: number

Format: counter

rx-over-err

Description Total RX packet over error

Type: number

Format: counter

rx-short-len-err

Description Total RX packet short length error

Type: number

Format: counter

tx-abort-err

Description Total TX packet abort error

Type: number

Format: counter

tx-carrier-err

Description Total TX packert carrier error

Type: number

Format: counter

tx-drop

Description Total TX packet drop

Type: number

Format: counter

tx-err

Description Total TX packet error

Type: number

Format: counter

tx-fifo-err

Description Total TX packet fifo error

Type: number

Format: counter

tx-hbeat-err

Description Total TX packet HBEAT error

Type: number

Format: counter

tx-windows-err

Description Total TX windows error

Type: number

Format: counter

w-link-down-drop

Description Total worker core link down drop

Type: number

Format: counter

w-ring-drop

Description Total worker core ring drop

Type: number

Format: counter

w-tx-que-drop

Description Total worker core queue drop

Type: number

Format: counter

2.129.42 system enable-password

set enable-password policy parameter

enable-password Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	enable-password
Element URI	/axapi/v3/system/enable-password
Element Attributes	enable-password_attributes
Partition Visibility	shared
Schema	`enable-password schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/enable-password

enable-password attributes

```
POST /axapi/v3/system/enable-password
Payload:
{
    "enable-password": {
        "follow-password-policy": 1
    }
}
```

Get Object

GET

/axapi/v3/system/enable-password

enable-password attributes

```
GET /axapi/v3/system/enable-password
Reponse:
{
    "enable-password": {
        "follow-password-policy": 1,
        "uuid": "573a561a-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/enable-password"
    }
}
```

Modify Object

POST

/axapi/v3/system/enable-password

enable-password attributes

Replace Object

PUT

/axapi/v3/system/enable-password

enable-password attributes

```
PUT /axapi/v3/system/enable-password
Payload:
{
    "enable-password": {
        "follow-password-policy": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/system/enable-password

enable-password attributes

```
DELETE /axapi/v3/system/enable-password
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

enable-password attributes

follow-password-policy

Description enable-password will follow password policy complexity

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.43 system environment oper

Operational Status for the object environment

environment Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	environment
Element URI	/axapi/v3/system/environment/oper
Element Attributes	environment_attributes
Partition Visibility	None
Schema	`environment schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/environment/oper

environment attributes

Get Object

GET

/axapi/v3/system/environment/oper

environment attributes

Modify Object

POST

/axapi/v3/system/environment/oper

environment attributes

Replace Object

PUT

/axapi/v3/system/environment/oper

environment attributes

Delete Object

DELETE

/axapi/v3/system/environment/oper

environment attributes

environment attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

PU2-physical-temperature

Description

Type: string

PU2-physical-temperature2

Description

Type: string

PU2-voltage-label-10

Description

Type: string

PU2-voltage-label-7

Description

Type: string

PU2-voltage-label-8

Description

Type: string

PU2-voltage-label-9

Description

Type: string

cpu0-temperature

Description

Type: string

cpu1-temperature

Description

Type: string

fan10a-report

Description

Type: string

fan10a-value

Description

Type: number

fan10b-report

Description

Type: string

fan10b-value

Description

Type: number

fan1a-report

Description

Type: string

fan1a-value

Description

Type: number

fan1b-report

Description

Type: string

fan1b-value

Description

Type: number

fan2a-report

Description

Type: string

fan2a-value

Description

Type: number

fan2b-report

Description

Type: string

fan2b-value

Description

Type: number

fan3a-report

Description

Type: string

fan3a-value

Description

Type: number

fan3b-report

Description

Type: string

fan3b-value

Description

Type: number

fan4a-report

Description

Type: string

fan4a-value

Description

Type: number

fan4b-report

Description

Type: string

fan4b-value

Description

Type: number

fan5a-report

Description

Type: string

fan5a-value

Description

Type: number

fan5b-report

Description

Type: string

fan5b-value

Description

Type: number

fan6a-report

Description

Type: string

fan6a-value

Description

Type: number

fan6b-report

Description

Type: string

fan6b-value

Description

Type: number

fan7a-report

Description

Type: string

fan7a-value

Description

Type: number

fan7b-report

Description

Type: string

fan7b-value

Description

Type: number

fan8a-report

Description

Type: string

fan8a-value

Description

Type: number

fan8b-report

Description

Type: string

fan8b-value

Description

Type: number

fan9a-report

Description

Type: string

fan9a-value

Description

Type: number

fan9b-report

Description

Type: string

fan9b-value

Description

Type: number

physical-temperature

Description

Type: string

physical-temperature2

Description

Type: string

power-unit1

Description

Type: string

power-unit2

Description

Type: string

power-unit3

Description

Type: string

power-unit4

Description

Type: string

voltage-label-1

Description

Type: string

voltage-label-10

Description

Type: string

voltage-label-11

Description

Type: string

voltage-label-12

Description

Type: string

voltage-label-13

Description

Type: string

voltage-label-14

Description

Type: string

voltage-label-15

Description

Type: string

voltage-label-16

Description

Type: string

voltage-label-17

Description

Type: string

voltage-label-2

Description

Type: string

voltage-label-3

Description

Type: string

voltage-label-4

Description

Type: string

voltage-label-5

Description

Type: string

voltage-label-6

Description

Type: string

voltage-label-7

Description

Type: string

voltage-label-8

Description

Type: string

voltage-label-9

Description

Type: string

2.129.44 system ext-only-logging

Configure external only logging

ext-only-logging Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ext-only-logging
Element URI	/axapi/v3/system/ext-only-logging
Element Attributes	ext-only-logging_attributes
Partition Visibility	shared
Schema	`ext-only-logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ext-only-logging

ext-only-logging attributes

```
POST /axapi/v3/system/ext-only-logging
Payload:
{
    "ext-only-logging": {
        "enable": 1
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Get Object

GET

/axapi/v3/system/ext-only-logging

ext-only-logging attributes

```
GET /axapi/v3/system/ext-only-logging
Reponse:
{
    "ext-only-logging": {
        "enable": 1,
        "uuid": "49ba85ce-b709-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ext-only-logging"
    }
}
```

Modify Object

POST

/axapi/v3/system/ext-only-logging

ext-only-logging attributes

Replace Object

PUT

/axapi/v3/system/ext-only-logging

ext-only-logging attributes

```
PUT /axapi/v3/system/ext-only-logging
Payload:
{
    "ext-only-logging": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ext-only-logging

ext-only-logging attributes

```
DELETE /axapi/v3/system/ext-only-logging
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ext-only-logging attributes

enable

Description enable external only logging for packet driven DDOS logs

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.45 system fpga-core-crc

FPGA Core CRC check Global Commands

fpga-core-crc Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fpga-core-crc
Element URI	/axapi/v3/system/fpga-core-crc
Element Attributes	fpga-core-crc_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/fpga-core-crc/oper
Schema	`fpga-core-crc schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

```
POST /axapi/v3/system/fpga-core-crc
Payload:
{
    "fpga-core-crc": {
        "monitor-disable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

Modify Object

POST

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

Replace Object

PUT

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

Delete Object

DELETE

/axapi/v3/system/fpga-core-crc

fpga-core-crc attributes

fpga-core-crc attributes

monitor-disable

Description Disable FPGA Core CRC error monitoring and act on it

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reboot-enable

Description Enable system reboot if system encounters FPGA Core CRC error

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.46 system fpga-core-crc oper

Operational Status for the object fpga-core-crc

fpga-core-crc Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fpga-core-crc
Element URI	/axapi/v3/system/fpga-core-crc/oper
Element Attributes	fpga-core-crc_attributes
Partition Visibility	None
Schema	`fpga-core-crc schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/fpga-core-crc/oper

fpga-core-crc attributes

Get Object

GET

/axapi/v3/system/fpga-core-crc/oper

fpga-core-crc attributes

Modify Object

POST

/axapi/v3/system/fpga-core-crc/oper

fpga-core-crc attributes

Replace Object

PUT

/axapi/v3/system/fpga-core-crc/oper

fpga-core-crc attributes

Delete Object

DELETE

/axapi/v3/system/fpga-core-crc/oper

fpga-core-crc attributes

fpga-core-crc attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

crc_error_present

Description

Type: string

enable_val

Description

Type: string

reboot_val

Description

Type: string

2.129.47 system fpga-drop

fpga-drop Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fpga-drop
Element URI	/axapi/v3/system/fpga-drop
Element Attributes	fpga-drop_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/fpga-drop/stats
Schema	`fpga-drop schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/fpga-drop

fpga-drop attributes

```
POST /axapi/v3/system/fpga-drop
Payload:
{
    "fpga-drop": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/fpga-drop

fpga-drop attributes

Modify Object

POST

/axapi/v3/system/fpga-drop

fpga-drop attributes

Replace Object

PUT

/axapi/v3/system/fpga-drop

fpga-drop attributes

Delete Object

DELETE

/axapi/v3/system/fpga-drop

fpga-drop attributes

fpga-drop attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'mrx-drop': Total MRX Drop; 'hrx-drop': Total HRX Drop; 'siz-drop': Total Size Drop; 'fcs-drop': Total FCS Drop; 'land-drop': Total LAND Attack Drop; 'empty-frag-drop': Total Empty frag Drop; 'mic-frag-drop': Total Micro frag Drop; 'ipv4-opt-drop': Total IPv4 opt Drop; 'ipv4-frag': Total IP frag Drop; 'bad-ip-hdr-len': Total Bad IP hdr len Drop; 'bad-ip-flags-drop': Total Bad IP Flags Drop; 'bad-ip-ttl-drop': Total Bad IP TTL Drop; 'no-ip-payload-drop': Total No IP Payload Drop; 'oversize-ip-payload': Total Oversize IP PL Drop; 'bad-ip-payload-len': Total Bad IP PL len Drop; 'bad-ip-frag-offset': Total Bad IP frag off Drop; 'bad-ip-chksum-drop': Total Bad IP csum Drop; 'icmp-pod-drop': Total ICMP POD Drop; 'tcp-bad-urg-offet': Total TCP bad urg off Drop; 'tcp-short-hdr': Total TCP short hdr Drop; 'tcp-bad-ip-len': Total TCP Bad IP Len Drop; 'tcp-null-flags': Total TCP null flags Drop; 'tcp-null-scan': Total TCP null scan Drop; 'tcp-fin-sin': Total TCP SYN&FIN Drop; 'tcp-xmas-flags': Total TCP XMAS FLAGS Drop; 'tcp-xmas-scan': Total TCP XMAS scan Drop; 'tcp-syn-frag': Total TCP SYN frag Drop; 'tcp-frag-hdr': Total TCP frag header Drop; 'tcp-bad-chksum': Total TCP bad csum Drop; 'udp-short-hdr': Total UDP short hdr Drop; 'udp-bad-ip-len': Total UDP bad leng Drop; 'udp-kb-frags': Total UDP KB frag Drop; 'udp-port-lb': Total UDP port LB Drop; 'udp-bad-chksum': Total UDP bad csum Drop; 'runt-ip-hdr': Total Runt IP hdr Drop; 'runt-tcpudp-hdr': Total Runt TCPUDP hdr Drop; 'tun-mismatch': Total Tun mismatch Drop; 'qdr-drop': Total QDR Drop;

Type: string

Supported Values: all, mrx-drop, hrx-drop, siz-drop, fcs-drop, land-drop, empty-frag-drop, mic-frag-drop, ipv4-opt-drop, ipv4-frag, bad-ip-hdr-len, bad-ip-flags-drop, bad-ip-ttl-drop, no-ip-payload-drop, oversize-ip-payload, bad-ip-payload-len, bad-ip-frag-offset, bad-ip-chksum-drop, icmp-pod-drop, tcp-bad-urg-offet, tcp-short-hdr, tcp-bad-ip-len, tcp-null-flags, tcp-null-scan, tcp-fin-sin, tcp-xmas-flags, tcp-xmas-scan, tcp-syn-frag, tcp-frag-hdr, tcp-bad-chksum, udp-short-hdr, udp-bad-ip-len, udp-kb-frags, udp-port-lb, udp-bad-chksum, runt-ip-hdr, runt-tcpudp-hdr, tun-mismatch, qdr-drop

2.129.48 system fpga-drop stats

Statistics for the object fpga-drop

fpga-drop Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fpga-drop
Element URI	/axapi/v3/system/fpga-drop/stats
Element Attributes	fpga-drop_attributes
Partition Visibility	None
Schema	`fpga-drop schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/fpga-drop/stats

fpga-drop attributes

Get Object

GET

/axapi/v3/system/fpga-drop/stats

fpga-drop attributes

Modify Object

POST

/axapi/v3/system/fpga-drop/stats

fpga-drop attributes

Replace Object

PUT

/axapi/v3/system/fpga-drop/stats

fpga-drop attributes

Delete Object

DELETE

/axapi/v3/system/fpga-drop/stats

fpga-drop attributes

fpga-drop attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad-ip-chksum-drop

Description Total Bad IP csum Drop

Type: number

Format: counter

bad-ip-flags-drop

Description Total Bad IP Flags Drop

Type: number

Format: counter

bad-ip-frag-offset

Description Total Bad IP frag off Drop

Type: number

Format: counter

bad-ip-hdr-len

Description Total Bad IP hdr len Drop

Type: number

Format: counter

bad-ip-payload-len

Description Total Bad IP PL len Drop

Type: number

Format: counter

bad-ip-ttl-drop

Description Total Bad IP TTL Drop

Type: number

Format: counter

empty-frag-drop

Description Total Empty frag Drop

Type: number

Format: counter

fcs-drop

Description Total FCS Drop

Type: number

Format: counter

hrx-drop

Description Total HRX Drop

Type: number

Format: counter

icmp-pod-drop

Description Total ICMP POD Drop

Type: number

Format: counter

ipv4-frag

Description Total IP frag Drop

Type: number

Format: counter

ipv4-opt-drop

Description Total IPv4 opt Drop

Type: number

Format: counter

land-drop

Description Total LAND Attack Drop

Type: number

Format: counter

mic-frag-drop

Description Total Micro frag Drop

Type: number

Format: counter

mrx-drop

Description Total MRX Drop

Type: number

Format: counter

no-ip-payload-drop

Description Total No IP Payload Drop

Type: number

Format: counter

oversize-ip-payload

Description Total Oversize IP PL Drop

Type: number

Format: counter

qdr-drop

Description Total QDR Drop

Type: number

Format: counter

runt-ip-hdr

Description Total Runt IP hdr Drop

Type: number

Format: counter

runt-tcpudp-hdr

Description Total Runt TCPUDP hdr Drop

Type: number

Format: counter

siz-drop

Description Total Size Drop

Type: number

Format: counter

tcp-bad-chksum

Description Total TCP bad csum Drop

Type: number

Format: counter

tcp-bad-ip-len

Description Total TCP Bad IP Len Drop

Type: number

Format: counter

tcp-bad-urg-offet

Description Total TCP bad urg off Drop

Type: number

Format: counter

tcp-fin-sin

Description Total TCP SYN&FIN Drop

Type: number

Format: counter

tcp-frag-hdr

Description Total TCP frag header Drop

Type: number

Format: counter

tcp-null-flags

Description Total TCP null flags Drop

Type: number

Format: counter

tcp-null-scan

Description Total TCP null scan Drop

Type: number

Format: counter

tcp-short-hdr

Description Total TCP short hdr Drop

Type: number

Format: counter

tcp-syn-frag

Description Total TCP SYN frag Drop

Type: number

Format: counter

tcp-xmas-flags

Description Total TCP XMAS FLAGS Drop

Type: number

Format: counter

tcp-xmas-scan

Description Total TCP XMAS scan Drop

Type: number

Format: counter

tun-mismatch

Description Total Tun mismatch Drop

Type: number

Format: counter

udp-bad-chksum

Description Total UDP bad csum Drop

Type: number

Format: counter

udp-bad-ip-len

Description Total UDP bad leng Drop

Type: number

Format: counter

udp-kb-frags

Description Total UDP KB frag Drop

Type: number

Format: counter

udp-port-lb

Description Total UDP port LB Drop

Type: number

Format: counter

udp-short-hdr

Description Total UDP short hdr Drop

Type: number

Format: counter

2.129.49 system fw

Configure system parameters for firewall

fw Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	fw
Element URI	/axapi/v3/system/fw
Element Attributes	fw_attributes
Partition Visibility	shared
Schema	`fw schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/fw

fw attributes

```
POST /axapi/v3/system/fw
Payload:
{
    "fw": {
        "application-mempool": 1
    }
}
```

Get Object

GET

/axapi/v3/system/fw

fw attributes

Modify Object

POST

/axapi/v3/system/fw

fw attributes

Replace Object

PUT

/axapi/v3/system/fw

fw attributes

Delete Object

DELETE

/axapi/v3/system/fw

fw attributes

fw attributes

application-flow

Description Number of flows

Type: number

application-mempool

Description Enable application memory pool

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

basic-dpi-enable

Description Enable basic dpi

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.50 system geo-location

Configure system global geo-location

geo-location Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geo-location
Element URI	/axapi/v3/system/geo-location
Element Attributes	geo-location_attributes
Partition Visibility	shared
Schema	`geo-location schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geo-location

geo-location attributes

```
POST /axapi/v3/system/geo-location
Payload:
{
    "geo-location": {
        "geo-location-iana": 1,
        "entry-list": [
            {
                "geo-locn-obj-name": "1",
                "user-tag": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/geo-location

geo-location attributes

```
GET /axapi/v3/system/geo-location
Reponse:
{
    "geo-location": {
        "geo-location-iana": 1,
        "geo-location-geolite2-city": 0,
        "geo-location-geolite2-country": 0,
        "uuid": "d1cac0f0-b709-11ef-b78f-ae71681635d0",
        "entry-list": [
            {
                "geo-locn-obj-name": "1",
                "uuid": "d1cae86e-b709-11ef-b78f-ae71681635d0",
```

(continues on next page)

(continued from previous page)

```
                "user-tag": "a",
                "a10-url": "/axapi/v3/system/geo-location/entry/1"
            }
        ],
        "a10-url": "/axapi/v3/system/geo-location"
    }
}
```

Modify Object

POST

/axapi/v3/system/geo-location

geo-location attributes

Replace Object

PUT

/axapi/v3/system/geo-location

geo-location attributes

Delete Object

DELETE

/axapi/v3/system/geo-location

geo-location attributes

geo-location attributes

entry-list

Type: List

Reference Object: */axapi/v3/system/geo-location/entry/{geo-locn-obj-name}*

geo-location-geolite2-asn

Description Load built-in Maxmind GeoLite2-ASN database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-geolite2-city

Description Load built-in Maxmind GeoLite2-City database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-geolite2-country

Description Load built-in Maxmind GeoLite2-Country database. Database available from http://www.maxmind.com

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-iana

Description Load built-in IANA Database

Type: boolean

Supported Values: true, false, 1, 0

Default: 1

geo-location-iana-system

Description Load built-in IANA Database

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geolite2-asn-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geolite2-city-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geolite2-country-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geoloc-load-file-list

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

entry-list

Specification	Value
Type	*list*
Block object keys	

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

entry-list_geo-locn-multiple-addresses

Specification	Value
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

geoloc-load-file-list

Specification	Value
Type	*list*
Block object keys	

geo-location-load-file-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

geo-location-load-filename

Description Specify file to be loaded

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

geo-location-load-temp-include-ipv6

Description Include IPv6 address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-name

Description CSV template to load this file

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/csv*

2.129.51 system geo-location entry

Manually configure geo-location entry

entry Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*geo-locn-obj-name*
Collection Name	*entry-list*
Collection URI	/axapi/v3/system/geo-location/entry
Element Name	entry
Element URI	/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}
Element Attributes	entry_attributes
Partition Visibility	shared
Schema	`entry schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geo-location/entry

entry attributes

```
POST /axapi/v3/system/geo-location/entry/
Payload:
{
    "entry": {
        "geo-locn-obj-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/system/geo-location/entry

entry attributes

Get Object

GET

/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}

entry attributes

```
GET /axapi/v3/system/geo-location/entry/a
Reponse:
{
    "entry": {
        "geo-locn-obj-name": "a",
        "uuid": "742d60f0-b70a-11ef-b78f-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/system/geo-location/entry/a"
    }
}
```

Get List

GET

/axapi/v3/system/geo-location/entry

entry-list

Modify Object

POST

/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}

entry attributes

Replace Object

PUT

/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}

entry attributes

Replace List

PUT

/axapi/v3/system/geo-location/entry

entry-list

Delete Object

DELETE

/axapi/v3/system/geo-location/entry/{geo-locn-obj-name}

entry attributes

entry-list

entry-list is **JSON List** of *entry attributes*

```
entry-list : [
        { entry attributes },
        { entry attributes },
        ...
    ]
```

entry attributes

geo-locn-multiple-addresses

Type: List

geo-locn-obj-name

Description Specify geo-location name, section range is (1-15)

Type: string

Maximum Length: 127 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

geo-locn-multiple-addresses

Specification	Value
Type	*list*
Block object keys	

first-ip-address

Description Specify IP information (Specify IP address)

Type: string

Format: ipv4-address

first-ipv6-address

Description Specify IPv6 address

Type: string

Format: ipv6-address

geol-ipv4-mask

Description Specify IPv4 mask

Type: string

Format: ipv4-netmask

Mutual Exclusion: geol-ipv4-mask and ip-addr2 are mutually exclusive

geol-ipv6-mask

Description Specify IPv6 mask

Type: number

Range: 0-128

Mutual Exclusion: geol-ipv6-mask and ipv6-addr2 are mutually exclusive

ip-addr2

Description Specify IP address range

Type: string

Format: ipv4-address

Mutual Exclusion: ip-addr2 and geol-ipv4-mask are mutually exclusive

ipv6-addr2

Description Specify IPv6 address range

Type: string

Format: ipv6-address

Mutual Exclusion: ipv6-addr2 and geol-ipv6-mask are mutually exclusive

2.129.52 system geoloc-list

Configure geolocation list

geoloc-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*geoloc-list-list*
Collection URI	/axapi/v3/system/geoloc-list
Element Name	geoloc-list
Element URI	/axapi/v3/system/geoloc-list/{name}
Element Attributes	geoloc-list_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/geoloc-list/{name}/stats
Operational Data URI	/axapi/v3/system/geoloc-list/{name}/oper
Schema	`geoloc-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc-list

geoloc-list attributes

```
POST /axapi/v3/system/geoloc-list/
Payload:
{
    "geoloc-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/system/geoloc-list

geoloc-list attributes

Get Object

GET

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

```
GET /axapi/v3/system/geoloc-list/a
Reponse:
{
    "geoloc-list": {
        "name": "a",
        "shared": 0,
        "uuid": "e5dbfedc-b70a-11ef-b78f-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/system/geoloc-list/a"
    }
}
```

Get List

GET

/axapi/v3/system/geoloc-list

geoloc-list-list

Modify Object

POST

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Replace Object

PUT

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Replace List

PUT

/axapi/v3/system/geoloc-list

geoloc-list-list

Delete Object

DELETE

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

geoloc-list-list

geoloc-list-list is **JSON List** of *geoloc-list attributes*

geoloc-list-list : [

{ *geoloc-list attributes* },

{ *geoloc-list attributes* },

...

]

geoloc-list attributes

exclude-geoloc-name-list

Type: List

include-geoloc-name-list

Type: List

name

Description Specify name of Geolocation list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

sampling-enable

Type: List

shared

Description Enable sharing with other partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-count': some help string; 'total-geoloc': some help string; 'total-active': some help string;

Type: string

Supported Values: all, hit-count, total-geoloc, total-active

include-geoloc-name-list

Specification	Value
Type	*list*
Block object keys	

include-geoloc-name-val

Description Geolocation name to add

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

exclude-geoloc-name-list

Specification	Value
Type	*list*
Block object keys	

exclude-geoloc-name-val

Description Geolocation name to exclude

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

2.129.53 system geoloc-list oper

Operational Status for the object geoloc-list

geoloc-list Specification

Parameter	Value
Type	*Collection*
Collection Name	*geoloc-list-list*
Collection URI	/axapi/v3/system/geoloc-list/{name}
Element Name	geoloc-list
Element URI	/axapi/v3/system/geoloc-list/{name}/oper
Element Attributes	geoloc-list_attributes
Partition Visibility	None
Schema	`geoloc-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Create List

POST

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Get Object

GET

/axapi/v3/system/geoloc-list/{name}/oper

geoloc-list attributes

Get List

GET

/axapi/v3/system/geoloc-list/{name}

geoloc-list-list

Modify Object

POST

/axapi/v3/system/geoloc-list/{name}/oper

geoloc-list attributes

Replace Object

PUT

/axapi/v3/system/geoloc-list/{name}/oper

geoloc-list attributes

Replace List

PUT

/axapi/v3/system/geoloc-list/{name}

geoloc-list-list

Delete Object

DELETE

/axapi/v3/system/geoloc-list/{name}/oper

geoloc-list attributes

geoloc-list-list

geoloc-list-list is **JSON List** of *geoloc-list attributes*

geoloc-list-list : [

{ *geoloc-list attributes* },

{ *geoloc-list attributes* },

...

]

geoloc-list attributes

name

Description Specify name of Geolocation list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

geoloc-list

Type: List

oper_geoloc-list

Specification	Value
Type	*list*
Block object keys	

active

Description

Type: number

geoloc-name

Description

Type: string

hit-count

Description

Type: number

type

Description

Type: string

2.129.54 system geoloc-list stats

Statistics for the object geoloc-list

geoloc-list Specification

Parameter	Value
Type	*Collection*
Collection Name	*geoloc-list-list*
Collection URI	/axapi/v3/system/geoloc-list/{name}
Element Name	geoloc-list
Element URI	/axapi/v3/system/geoloc-list/{name}/stats
Element Attributes	geoloc-list_attributes
Partition Visibility	None
Schema	`geoloc-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Create List

POST

/axapi/v3/system/geoloc-list/{name}

geoloc-list attributes

Get Object

GET

/axapi/v3/system/geoloc-list/{name}/stats

geoloc-list attributes

Get List

GET

/axapi/v3/system/geoloc-list/{name}

geoloc-list-list

Modify Object

POST

/axapi/v3/system/geoloc-list/{name}/stats

geoloc-list attributes

Replace Object

PUT

/axapi/v3/system/geoloc-list/{name}/stats

geoloc-list attributes

Replace List

PUT

/axapi/v3/system/geoloc-list/{name}

geoloc-list-list

Delete Object

DELETE

/axapi/v3/system/geoloc-list/{name}/stats

geoloc-list attributes

geoloc-list-list

geoloc-list-list is **JSON List** of *geoloc-list attributes*

geoloc-list-list : [

{ *geoloc-list attributes* },

{ *geoloc-list attributes* },

...

]

geoloc-list attributes

name

Description Specify name of Geolocation list

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hit-count

Description some help string

Type: number

Format: counter

total-active

Description some help string

Type: number

Format: counter

total-geoloc

Description some help string

Type: number

Format: counter

2.129.55 system geoloc-name-helper

Geolocation name helper

geoloc-name-helper Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geoloc-name-helper
Element URI	/axapi/v3/system/geoloc-name-helper
Element Attributes	geoloc-name-helper_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/geoloc-name-helper/stats
Operational Data URI	/axapi/v3/system/geoloc-name-helper/oper
Schema	`geoloc-name-helper schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

```
POST /axapi/v3/system/geoloc-name-helper
Payload:
{
    "geoloc-name-helper": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

```
GET /axapi/v3/system/geoloc-name-helper
Reponse:
{
    "geoloc-name-helper": {
        "uuid": "5739d8de-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/geoloc-name-helper"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

Replace Object

PUT

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

Delete Object

DELETE

/axapi/v3/system/geoloc-name-helper

geoloc-name-helper attributes

geoloc-name-helper attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'place-holder': place-holder;

Type: string

Supported Values: all, place-holder

2.129.56 system geoloc-name-helper oper

Operational Status for the object geoloc-name-helper

geoloc-name-helper Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geoloc-name-helper
Element URI	/axapi/v3/system/geoloc-name-helper/oper
Element Attributes	geoloc-name-helper_attributes
Partition Visibility	None
Schema	`geoloc-name-helper schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc-name-helper/oper

geoloc-name-helper attributes

Get Object

GET

/axapi/v3/system/geoloc-name-helper/oper

geoloc-name-helper attributes

Modify Object

POST

/axapi/v3/system/geoloc-name-helper/oper

geoloc-name-helper attributes

Replace Object

PUT

/axapi/v3/system/geoloc-name-helper/oper

geoloc-name-helper attributes

Delete Object

DELETE

/axapi/v3/system/geoloc-name-helper/oper

geoloc-name-helper attributes

geoloc-name-helper attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

geoloc

Description

Type: string

geoloc-candidate-list

Type: List

oper_geoloc-candidate-list

Specification	Value
Type	*list*
Block object keys	

geoloc-name

Description

Type: string

has-subregion

Description

Type: number

2.129.57 system geoloc-name-helper stats

Statistics for the object geoloc-name-helper

geoloc-name-helper Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geoloc-name-helper
Element URI	/axapi/v3/system/geoloc-name-helper/stats
Element Attributes	geoloc-name-helper_attributes
Partition Visibility	None
Schema	`geoloc-name-helper schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc-name-helper/stats

geoloc-name-helper attributes

Get Object

GET

/axapi/v3/system/geoloc-name-helper/stats

geoloc-name-helper attributes

Modify Object

POST

/axapi/v3/system/geoloc-name-helper/stats

geoloc-name-helper attributes

Replace Object

PUT

/axapi/v3/system/geoloc-name-helper/stats

geoloc-name-helper attributes

Delete Object

DELETE

/axapi/v3/system/geoloc-name-helper/stats

geoloc-name-helper attributes

geoloc-name-helper attributes

stats

Type: Object

2.129.58 system geoloc oper

Operational Status for the object geoloc

geoloc Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geoloc
Element URI	/axapi/v3/system/geoloc/oper
Element Attributes	geoloc_attributes
Partition Visibility	None
Schema	`geoloc schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc/oper

geoloc attributes

Get Object

GET

/axapi/v3/system/geoloc/oper

geoloc attributes

Modify Object

POST

/axapi/v3/system/geoloc/oper

geoloc attributes

Replace Object

PUT

/axapi/v3/system/geoloc/oper

geoloc attributes

Delete Object

DELETE

/axapi/v3/system/geoloc/oper

geoloc attributes

geoloc attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

depth

Description

Type: number

filter1

Description

Type: string

Supported Values: directory, statistics, global

filter2

Description

Type: string

Supported Values: directory, statistics, global

filter3

Description

Type: string

Supported Values: directory, statistics, global

filter4

Description

Type: string

Supported Values: ip, ipv6, ipstat, ipv6stat

geo-name

Description

Type: string

geoloc-list

Type: List

iprangeend

Description

Type: string

Format: ipv4-address

iprangestrt

Description

Type: string

Format: ipv4-address

ipv6rangestrt

Description

Type: string

Format: ipv6-address

pol-name

Description

Type: string

total-geolocs

Description

Type: number

oper_geoloc-list

Specification	Value
Type	*list*
Block object keys	

from

Description

Type: string

hits

Description

Type: number

last

Description

Type: string

name

Description

Type: string

subcnt

Description

Type: number

tomask

Description

Type: string

type

Description

Type: string

2.129.59 system geoloc stats

Statistics for the object geoloc

geoloc Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geoloc
Element URI	/axapi/v3/system/geoloc/stats
Element Attributes	geoloc_attributes
Partition Visibility	None
Schema	`geoloc schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geoloc/stats

geoloc attributes

Get Object

GET

/axapi/v3/system/geoloc/stats

geoloc attributes

Modify Object

POST

/axapi/v3/system/geoloc/stats

geoloc attributes

Delete Object

DELETE

/axapi/v3/system/geoloc/stats

geoloc attributes

geoloc attributes

stats

Type: Object

2.129.60 system geolocation-file error-info oper

Operational Status for the object error-info

error-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	error-info
Element URI	/axapi/v3/system/geolocation-file/error-info/oper
Element Attributes	error-info_attributes
Partition Visibility	None
Schema	`error-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geolocation-file/error-info/oper

error-info attributes

Get Object

GET

/axapi/v3/system/geolocation-file/error-info/oper

error-info attributes

Modify Object

POST

/axapi/v3/system/geolocation-file/error-info/oper

error-info attributes

Replace Object

PUT

/axapi/v3/system/geolocation-file/error-info/oper

error-info attributes

Delete Object

DELETE

/axapi/v3/system/geolocation-file/error-info/oper

error-info attributes

error-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

error-list

Type: List

filename

Description

Type: string

oper_error-list

Specification	Value
Type	*list*
Block object keys	

error

Description

Type: string

line

Description

Type: number

offset

Description

Type: number

2.129.61 system geolocation-file oper

Operational Status for the object geolocation-file

geolocation-file Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	geolocation-file
Element URI	/axapi/v3/system/geolocation-file/oper
Element Attributes	geolocation-file_attributes
Partition Visibility	None
Schema	`geolocation-file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/geolocation-file/oper

geolocation-file attributes

Get Object

GET

/axapi/v3/system/geolocation-file/oper

geolocation-file attributes

Modify Object

POST

/axapi/v3/system/geolocation-file/oper

geolocation-file attributes

Replace Object

PUT

/axapi/v3/system/geolocation-file/oper

geolocation-file attributes

Delete Object

DELETE

/axapi/v3/system/geolocation-file/oper

geolocation-file attributes

geolocation-file attributes

error-info

Description: error-info is a **JSON Block**. Please see below for *error-info*

Type: Object

Reference Object: */axapi/v3/system/geolocation-file/error-info*

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

geofiles

Type: List

oper_geofiles

Specification	Value
Type	*list*
Block object keys	

comment

Description

Type: number

error-warning

Description

Type: number

filename

Description

Type: string

lines

Description

Type: number

percentage-loaded

Description

Type: number

success

Description

Type: number

template

Description

Type: string

type

Description

Type: string

Supported Values: template, builtin

error-info

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *error-info_oper*

Type: Object

error-info_oper

Specification	Value
Type	*object*

error-list

Type: List

filename

Description

Type: string

error-info_oper_error-list

Specification	Value
Type	*list*
Block object keys	

error

Description

Type: string

line

Description

Type: number

offset

Description

Type: number

2.129.62 system glid

Apply global limiter to the whole system

glid Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	glid
Element URI	/axapi/v3/system/glid
Element Attributes	glid_attributes
Partition Visibility	shared
Schema	`glid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/glid

glid attributes

```
POST /axapi/v3/system/glid
Payload:
{
    "glid": {
        "glid-id": "1"
    }
}
```

Get Object

GET

/axapi/v3/system/glid

glid attributes

```
GET /axapi/v3/system/glid
Reponse:
{
    "glid": {
        "glid-id": "1",
        "non-shared": 0,
        "uuid": "a69f4714-b70b-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/glid"
    }
}
```

Modify Object

POST

/axapi/v3/system/glid

glid attributes

Replace Object

PUT

/axapi/v3/system/glid

glid attributes

Delete Object

DELETE

/axapi/v3/system/glid

glid attributes

glid attributes

glid-id

Description Apply limits to the whole system

Type: string

Format: string-rlx

Maximum Length: 1023 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/glid*

non-shared

Description Apply global limit ID to the whole system at per data cpu level (default disabled)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.63 system guest-file oper

Operational Status for the object guest-file

guest-file Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	guest-file
Element URI	/axapi/v3/system/guest-file/oper
Element Attributes	guest-file_attributes
Partition Visibility	None
Schema	`guest-file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/guest-file/oper

guest-file attributes

Get Object

GET

/axapi/v3/system/guest-file/oper

guest-file attributes

Modify Object

POST

/axapi/v3/system/guest-file/oper

guest-file attributes

Replace Object

PUT

/axapi/v3/system/guest-file/oper

guest-file attributes

Delete Object

DELETE

/axapi/v3/system/guest-file/oper

guest-file attributes

guest-file attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

file-list

Type: List

oper_file-list

Specification	Value
Type	*list*
Block object keys	

File-Name

Description

Type: string

Size

Description

Type: number

update-time

Description

Type: string

2.129.64 system gui-image-list oper

Operational Status for the object gui-image-list

gui-image-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	gui-image-list
Element URI	/axapi/v3/system/gui-image-list/oper
Element Attributes	gui-image-list_attributes
Partition Visibility	None
Schema	`gui-image-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/gui-image-list/oper

gui-image-list attributes

Get Object

GET

/axapi/v3/system/gui-image-list/oper

gui-image-list attributes

Modify Object

POST

/axapi/v3/system/gui-image-list/oper

gui-image-list attributes

Replace Object

PUT

/axapi/v3/system/gui-image-list/oper

gui-image-list attributes

Delete Object

DELETE

/axapi/v3/system/gui-image-list/oper

gui-image-list attributes

gui-image-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

gui-list-pri

Type: List

gui-list-sec

Type: List

pre-pri-gui

Description

Type: string

pre-sec-gui

Description

Type: string

oper_gui-list-pri

Specification	Value
Type	*list*
Block object keys	

gui-image

Description

Type: string

path

Description

Type: string

oper_gui-list-sec

Specification	Value
Type	*list*
Block object keys	

gui-image

Description

Type: string

path

Description

Type: string

2.129.65 system hardware-accelerate

Enable hardware acceleration

hardware-accelerate Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hardware-accelerate
Element URI	/axapi/v3/system/hardware-accelerate
Element Attributes	hardware-accelerate_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/hardware-accelerate/stats
Schema	`hardware-accelerate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/hardware-accelerate

hardware-accelerate attributes

Get Object

GET

/axapi/v3/system/hardware-accelerate

hardware-accelerate attributes

Modify Object

POST

/axapi/v3/system/hardware-accelerate

hardware-accelerate attributes

Replace Object

PUT

/axapi/v3/system/hardware-accelerate

hardware-accelerate attributes

Delete Object

DELETE

/axapi/v3/system/hardware-accelerate

hardware-accelerate attributes

hardware-accelerate attributes

sampling-enable

Type: List

session-forwarding

Description Configure session-forwarding in Hardware (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

slb

Description: slb is a **JSON Block**. Please see below for *slb*

Type: Object

Reference Object: */axapi/v3/system/hardware-accelerate/slb*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'hit-counts': Total packets hit counts; 'hit-index': HW Fwd hit index; 'ipv4-forward-counts': Total IPv4 hardware forwarded packets; 'ipv6-forward-counts': Total IPv6 hardware forwarded packets; 'hw-fwd-module-status': Hardware forwarder status flags; 'hw-fwd-prog-reqs': Hardware forward programming requests; 'hw-fwd-prog-errors': Hardware forward programming Errors; 'hw-fwd-flow-singlebit-errors': Hardware forward singlebit Errors; 'hw-fwd-flow-tag-mismatch': Hardware forward tag mismatch errors; 'hw-fwd-flow-seq-mismatch': Hardware forward sequence mismatch errors; 'hw-fwd-ageout-drop-count': Hardware forward ageout drop count; 'hw-fwd-invalidation-drop': Hardware forward invalid drop count; 'hw-fwd-flow-hit-index': Hardware forward flow hit index; 'hw-fwd-flow-reason-flags': Hardware forward flow reason flags; 'hw-fwd-flow-drop-count': Hardware forward flow drop count; 'hw-fwd-flow-error-count': Hardware forward flow error count; 'hw-fwd-flow-unalign-count': Hardware forward flow unalign count; 'hw-fwd-flow-underflow-count': Hardware forward flow underflow count; 'hw-fwd-flow-tx-full-drop': Hardware forward flow tx full drop count; 'hw-fwd-flow-qdr-full-drop': Hardware forward flow qdr full drop count; 'hw-fwd-phyport-mismatch-drop': Hardware forward phyport mismatch count;

'hw-fwd-vlanid-mismatch-drop': Hardware forward vlanid mismatch count; 'hw-fwd-vmid-drop': Hardware forward vmid mismatch count; 'hw-fwd-protocol-mismatch-drop': Hardware forward protocol mismatch count; 'hw-fwd-avail-ipv4-entry': Hardware forward available ipv4 entries count; 'hw-fwd-avail-ipv6-entry': Hardware forward available ipv6 entries count; 'hw-fwd-rate-drop-count': Hardware forward rate drop count; 'hw-fwd-normal-ageout-rcvd': Hardware forward normal ageout received count; 'hw-fwd-tcp-fin-ageout-rcvd': Hardware forward tcp FIN ageout received count; 'hw-fwd-tcp-rst-ageout-rcvd': Hardware forward tcp RST ageout received count; 'hw-fwd-lookup-fail-rcvd': Hardware forward entry lookup fail count; 'hw-fwd-stats-update-rcvd': Hardware forward entry stats update count;

Type: string

Supported Values: all, hit-counts, hit-index, ipv4-forward-counts, ipv6-forward-counts, hw-fwd-module-status, hw-fwd-prog-reqs, hw-fwd-prog-errors, hw-fwd-flow-singlebit-errors, hw-fwd-flow-tag-mismatch, hw-fwd-flow-seq-mismatch, hw-fwd-ageout-drop-count, hw-fwd-invalidation-drop, hw-fwd-flow-hit-index, hw-fwd-flow-reason-flags, hw-fwd-flow-drop-count, hw-fwd-flow-error-count, hw-fwd-flow-unalign-count, hw-fwd-flow-underflow-count, hw-fwd-flow-tx-full-drop, hw-fwd-flow-qdr-full-drop, hw-fwd-phyport-mismatch-drop, hw-fwd-vlanid-mismatch-drop, hw-fwd-vmid-drop, hw-fwd-protocol-mismatch-drop, hw-fwd-avail-ipv4-entry, hw-fwd-avail-ipv6-entry, hw-fwd-rate-drop-count, hw-fwd-normal-ageout-rcvd, hw-fwd-tcp-fin-ageout-rcvd, hw-fwd-tcp-rst-ageout-rcvd, hw-fwd-lookup-fail-rcvd, hw-fwd-stats-update-rcvd, hw-fwd-flow-sflow-count

slb

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

slb_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'entry-create': Hardware Entries Created; 'entry-create-failure': Hardware Entries Created; 'entry-create-fail-server-down': Hardware Entries Created; 'entry-create-fail-max-entry': Hardware Entries Created; 'entry-free': Hardware Entries Freed;

'entry-free-opp-entry': Hardware Entries Free due to opposite tuple entry ageout event; 'entry-free-no-hw-prog': Hardware Entry Free no hw prog; 'entry-free-no-conn': Hardware Entry Free no matched conn; 'entry-free-no-sw-entry': Hardware Entry Free no software entry; 'entry-counter': Hardware Entry Count; 'entry-age-out': Hardware Entries Aged Out; 'entry-age-out-idle': Hardware Entries Aged Out Idle; 'entry-age-out-tcp-fin': Hardware Entries Aged Out TCP FIN; 'entry-age-out-tcp-rst': Hardware Entries Aged Out TCP RST; 'entry-age-out-invalid-dst': Hardware Entries Aged Out invalid dst; 'entry-force-hw-invalidate': Hardware Entries Force HW Invalidate; 'entry-invalidate-server-down': Hardware Entries Invalidate due to server down; 'tcam-create': TCAM Entries Created; 'tcam-free': TCAM Entries Freed; 'tcam-counter': TCAM Entry Count;

Type: string

Supported Values: all, entry-create, entry-create-failure, entry-create-fail-server-down, entry-create-fail-max-entry, entry-free, entry-free-opp-entry, entry-free-no-hw-prog, entry-free-no-conn, entry-free-no-sw-entry, entry-counter, entry-age-out, entry-age-out-idle, entry-age-out-tcp-fin, entry-age-out-tcp-rst, entry-age-out-invalid-dst, entry-force-hw-invalidate, entry-invalidate-server-down, tcam-create, tcam-free, tcam-counter

2.129.66 system hardware-accelerate slb stats

Statistics for the object slb

slb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	slb
Element URI	/axapi/v3/system/hardware-accelerate/slb/stats
Element Attributes	slb_attributes
Partition Visibility	None
Schema	`slb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/hardware-accelerate/slb/stats

slb attributes

Get Object

GET

/axapi/v3/system/hardware-accelerate/slb/stats

slb attributes

Modify Object

POST

/axapi/v3/system/hardware-accelerate/slb/stats

slb attributes

Delete Object

DELETE

/axapi/v3/system/hardware-accelerate/slb/stats

slb attributes

slb attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

entry-age-out

Description Hardware Entries Aged Out

Type: number

Format: counter

entry-age-out-idle

Description Hardware Entries Aged Out Idle

Type: number

Format: counter

entry-age-out-invalid-dst

Description Hardware Entries Aged Out invalid dst

Type: number

Format: counter

entry-age-out-tcp-fin

Description Hardware Entries Aged Out TCP FIN

Type: number

Format: counter

entry-age-out-tcp-rst

Description Hardware Entries Aged Out TCP RST

Type: number

Format: counter

entry-counter

Description Hardware Entry Count

Type: number

Format: counter

entry-create

Description Hardware Entries Created

Type: number

Format: counter

entry-create-fail-max-entry

Description Hardware Entries Created

Type: number

Format: counter

entry-create-fail-server-down

Description Hardware Entries Created

Type: number

Format: counter

entry-create-failure

Description Hardware Entries Created

Type: number

Format: counter

entry-force-hw-invalidate

Description Hardware Entries Force HW Invalidate

Type: number

Format: counter

entry-free

Description Hardware Entries Freed

Type: number

Format: counter

entry-free-no-conn

Description Hardware Entry Free no matched conn

Type: number

Format: counter

entry-free-no-hw-prog

Description Hardware Entry Free no hw prog

Type: number

Format: counter

entry-free-no-sw-entry

Description Hardware Entry Free no software entry

Type: number

Format: counter

entry-free-opp-entry

Description Hardware Entries Free due to opposite tuple entry ageout event

Type: number

Format: counter

entry-invalidate-server-down

Description Hardware Entries Invalidate due to server down

Type: number

Format: counter

tcam-counter

Description TCAM Entry Count

Type: number

Format: counter

tcam-create

Description TCAM Entries Created

Type: number

Format: counter

tcam-free

Description TCAM Entries Freed

Type: number

Format: counter

2.129.67 system hardware-accelerate stats

Statistics for the object hardware-accelerate

hardware-accelerate Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hardware-accelerate
Element URI	/axapi/v3/system/hardware-accelerate/stats
Element Attributes	hardware-accelerate_attributes
Partition Visibility	None
Schema	`hardware-accelerate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/hardware-accelerate/stats

hardware-accelerate attributes

Get Object

GET

/axapi/v3/system/hardware-accelerate/stats

hardware-accelerate attributes

Modify Object

POST

/axapi/v3/system/hardware-accelerate/stats

hardware-accelerate attributes

Replace Object

PUT

/axapi/v3/system/hardware-accelerate/stats

hardware-accelerate attributes

Delete Object

DELETE

/axapi/v3/system/hardware-accelerate/stats

hardware-accelerate attributes

hardware-accelerate attributes

slb

Description: slb is a **JSON Block**. Please see below for *slb*

Type: Object

Reference Object: */axapi/v3/system/hardware-accelerate/slb*

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

hit-counts

Description Total packets hit counts

Type: number

Format: counter

hit-index

Description HW Fwd hit index

Type: number

Format: counter

hw-fwd-ageout-drop-count

Description Hardware forward ageout drop count

Type: number

Format: counter

hw-fwd-avail-ipv4-entry

Description Hardware forward available ipv4 entries count

Type: number

Format: counter

hw-fwd-avail-ipv6-entry

Description Hardware forward available ipv6 entries count

Type: number

Format: counter

hw-fwd-flow-drop-count

Description Hardware forward flow drop count

Type: number

Format: counter

hw-fwd-flow-error-count

Description Hardware forward flow error count

Type: number

Format: counter

hw-fwd-flow-hit-index

Description Hardware forward flow hit index

Type: number

Format: counter

hw-fwd-flow-qdr-full-drop

Description Hardware forward flow qdr full drop count

Type: number

Format: counter

hw-fwd-flow-reason-flags

Description Hardware forward flow reason flags

Type: number

Format: counter

hw-fwd-flow-seq-mismatch

Description Hardware forward sequence mismatch errors

Type: number

Format: counter

hw-fwd-flow-sflow-count

Description hardware forward rate drop count

Type: number

Format: counter

hw-fwd-flow-singlebit-errors

Description Hardware forward singlebit Errors

Type: number

Format: counter

hw-fwd-flow-tag-mismatch

Description Hardware forward tag mismatch errors

Type: number

Format: counter

hw-fwd-flow-tx-full-drop

Description Hardware forward flow tx full drop count

Type: number

Format: counter

hw-fwd-flow-unalign-count

Description Hardware forward flow unalign count

Type: number

Format: counter

hw-fwd-flow-underflow-count

Description Hardware forward flow underflow count

Type: number

Format: counter

hw-fwd-invalidation-drop

Description Hardware forward invalid drop count

Type: number

Format: counter

hw-fwd-lookup-fail-rcvd

Description Hardware forward entry lookup fail count

Type: number

Format: counter

hw-fwd-module-status

Description Hardware forwarder status flags

Type: number

Format: counter

hw-fwd-normal-ageout-rcvd

Description Hardware forward normal ageout received count

Type: number

Format: counter

hw-fwd-phyport-mismatch-drop

Description Hardware forward phyport mismatch count

Type: number

Format: counter

hw-fwd-prog-errors

Description Hardware forward programming Errors

Type: number

Format: counter

hw-fwd-prog-reqs

Description Hardware forward programming requests

Type: number

Format: counter

hw-fwd-protocol-mismatch-drop

Description Hardware forward protocol mismatch count

Type: number

Format: counter

hw-fwd-rate-drop-count

Description Hardware forward rate drop count

Type: number

Format: counter

hw-fwd-stats-update-rcvd

Description Hardware forward entry stats update count

Type: number

Format: counter

hw-fwd-tcp-fin-ageout-rcvd

Description Hardware forward tcp FIN ageout received count

Type: number

Format: counter

hw-fwd-tcp-rst-ageout-rcvd

Description Hardware forward tcp RST ageout received count

Type: number

Format: counter

hw-fwd-vlanid-mismatch-drop

Description Hardware forward vlanid mismatch count

Type: number

Format: counter

hw-fwd-vmid-drop

Description Hardware forward vmid mismatch count

Type: number

Format: counter

ipv4-forward-counts

Description Total IPv4 hardware forwarded packets

Type: number

Format: counter

ipv6-forward-counts

Description Total IPv6 hardware forwarded packets

Type: number

Format: counter

slb

Specification	Value
Type	*object*

stats

Description: stats is a **JSON Block**. Please see below for *slb_stats*

Type: Object

slb_stats

Specification	Value
Type	*object*

entry-age-out

Description Hardware Entries Aged Out

Type: number

Format: counter

entry-age-out-idle

Description Hardware Entries Aged Out Idle

Type: number

Format: counter

entry-age-out-invalid-dst

Description Hardware Entries Aged Out invalid dst

Type: number

Format: counter

entry-age-out-tcp-fin

Description Hardware Entries Aged Out TCP FIN

Type: number

Format: counter

entry-age-out-tcp-rst

Description Hardware Entries Aged Out TCP RST

Type: number

Format: counter

entry-counter

Description Hardware Entry Count

Type: number

Format: counter

entry-create

Description Hardware Entries Created

Type: number

Format: counter

entry-create-fail-max-entry

Description Hardware Entries Created

Type: number

Format: counter

entry-create-fail-server-down

Description Hardware Entries Created

Type: number

Format: counter

entry-create-failure

Description Hardware Entries Created

Type: number

Format: counter

entry-force-hw-invalidate

Description Hardware Entries Force HW Invalidate

Type: number

Format: counter

entry-free

Description Hardware Entries Freed

Type: number

Format: counter

entry-free-no-conn

Description Hardware Entry Free no matched conn

Type: number

Format: counter

entry-free-no-hw-prog

Description Hardware Entry Free no hw prog

Type: number

Format: counter

entry-free-no-sw-entry

Description Hardware Entry Free no software entry

Type: number

Format: counter

entry-free-opp-entry

Description Hardware Entries Free due to opposite tuple entry ageout event

Type: number

Format: counter

entry-invalidate-server-down

Description Hardware Entries Invalidate due to server down

Type: number

Format: counter

tcam-counter

Description TCAM Entry Count

Type: number

Format: counter

tcam-create

Description TCAM Entries Created

Type: number

Format: counter

tcam-free

Description TCAM Entries Freed

Type: number

Format: counter

2.129.68 system hardware oper

Operational Status for the object hardware

hardware Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hardware
Element URI	/axapi/v3/system/hardware/oper
Element Attributes	hardware_attributes
Partition Visibility	None
Schema	`hardware schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/hardware/oper

hardware attributes

Get Object

GET

/axapi/v3/system/hardware/oper

hardware attributes

Modify Object

POST

/axapi/v3/system/hardware/oper

hardware attributes

Replace Object

PUT

/axapi/v3/system/hardware/oper

hardware attributes

Delete Object

DELETE

/axapi/v3/system/hardware/oper

hardware attributes

hardware attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

alldynamic

Description

Type: number

bios-release-date

Description

Type: string

bios-version

Description

Type: string

bypass-list

Type: List

bypass-pr

Description

Type: number

compression-cards

Description: compression-cards is a **JSON Block**. Please see below for *oper_compression-cards*

Type: Object

cpu

Description

Type: string

cpu-cores

Description

Type: number

cpu-stepping

Description

Type: number

disk-free

Description

Type: number

disk-percentage

Description

Type: number

disk-total

Description

Type: number

disk-used

Description

Type: number

disk1-status

Description

Type: string

disk2-status

Description

Type: string

fpga-date

Description

Type: string

fpga-summary

Description

Type: string

ipmi

Description

Type: string

l23-asic

Description

Type: string

mcpld-date

Description

Type: string

mcpld-type

Description

Type: number

memory

Description

Type: string

num-disks

Description

Type: number

nvm-firmware-version

Description

Type: string

octeon

Description

Type: number

plat-flag

Description

Type: string

platform-description

Description

Type: string

ports

Description

Type: string

psu1_np15

Description

Type: string

psu2_np15

Description

Type: string

raid-list

Type: List

raid_present

Description

Type: number

serial

Description

Type: string

spe_present

Description

Type: string

ssl-cards

Description: ssl-cards is a **JSON Block**. Please see below for *oper_ssl-cards*

Type: Object

storage

Description

Type: string

oper_ssl-cards

Specification	Value
Type	*object*

coleto-ssl-cards

Description

Type: number

hsm

Description

Type: number

nitrox1

Description

Type: number

nitrox2

Description

Type: number

nitrox3

Description

Type: number

nitrox3-cores

Description

Type: number

nitrox5

Description

Type: number

nitrox5-cores

Description

Type: number

nitroxpx

Description

Type: number

ssl-devices

Description

Type: number

unknown-ssl-cards

Description

Type: number

oper_raid-list

Specification	Value
Type	*list*
Block object keys	

md-name

Description

Type: string

md-pri

Description

Type: string

md-sec

Description

Type: string

oper_bypass-list

Specification	Value
Type	*list*
Block object keys	

bypass-info

Description

Type: string

bypass-name

Description

Type: string

oper_compression-cards

Specification	Value
Type	*object*

aha363

Description

Type: number

gzip-devices

Description

Type: number

unknown-compression

Description

Type: number

2.129.69 system health-check

Layer-2 path health monitor

health-check Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*l2hm-hc-name*
Collection Name	*health-check-list*
Collection URI	/axapi/v3/system/health-check
Element Name	health-check
Element URI	/axapi/v3/system/health-check/{l2hm-hc-name}
Element Attributes	health-check_attributes
Partition Visibility	shared
Schema	`health-check schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/health-check

health-check attributes

```
POST /axapi/v3/system/health-check/
Payload:
{
    "health-check": {
        "l2hm-hc-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/system/health-check

health-check attributes

Get Object

GET

/axapi/v3/system/health-check/{l2hm-hc-name}

health-check attributes

```
GET /axapi/v3/system/health-check/a
Reponse:
{
    "health-check": {
        "l2hm-hc-name": "a",
        "method-l2bfd": 0,
        "uuid": "4c37fe82-b70c-11ef-b78f-ae71681635d0",
        "user-tag": "a",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/system/health-check/a"
    }
}
```

Get List

GET

/axapi/v3/system/health-check

health-check-list

Modify Object

POST

/axapi/v3/system/health-check/{l2hm-hc-name}

health-check attributes

Replace Object

PUT

/axapi/v3/system/health-check/{l2hm-hc-name}

health-check attributes

```
PUT /axapi/v3/system/health-check/a
Payload:
{
    "health-check": {
        "l2hm-hc-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/system/health-check

health-check-list

Delete Object

DELETE

/axapi/v3/system/health-check/{l2hm-hc-name}

health-check attributes

```
DELETE /axapi/v3/system/health-check/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

health-check-list

health-check-list is **JSON List** of *health-check attributes*

health-check-list : [

{ *health-check attributes* },

{ *health-check attributes* },

...

]

health-check attributes

l2bfd-multiplier

Description Multiplier value used to compute holddown (value used to multiply the interval (default: 4))

Type: number

Range: 3-50

l2bfd-rx-interval

Description Minimum receive interval capability (Milliseconds (default: 800))

Type: number

Range: 48-1000

l2bfd-tx-interval

Description Transmit interval between BFD packets

Type: number

Range: 48-1000

l2hm-hc-name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

method-l2bfd

Description Method is l2bfd

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.70 system high-memory-l4-session

Enable/Disable high memory L4 session support

high-memory-l4-session Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	high-memory-l4-session
Element URI	/axapi/v3/system/high-memory-l4-session
Element Attributes	high-memory-l4-session_attributes
Partition Visibility	shared
Schema	`high-memory-l4-session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

```
POST /axapi/v3/system/high-memory-l4-session
Payload:
{
    "high-memory-l4-session": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

Modify Object

POST

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

Replace Object

PUT

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

Delete Object

DELETE

/axapi/v3/system/high-memory-l4-session

high-memory-l4-session attributes

high-memory-l4-session attributes

enable

Description Enable/Disable high memory l4 session support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.71 system hrxq-status oper

Operational Status for the object hrxq-status

hrxq-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hrxq-status
Element URI	/axapi/v3/system/hrxq-status/oper
Element Attributes	hrxq-status_attributes
Partition Visibility	None
Schema	`hrxq-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/hrxq-status/oper

hrxq-status attributes

Get Object

GET

/axapi/v3/system/hrxq-status/oper

hrxq-status attributes

Modify Object

POST

/axapi/v3/system/hrxq-status/oper

hrxq-status attributes

Replace Object

PUT

/axapi/v3/system/hrxq-status/oper

hrxq-status attributes

Delete Object

DELETE

/axapi/v3/system/hrxq-status/oper

hrxq-status attributes

hrxq-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

deep-hrxq-enable

Description

Type: string

hrxq_num_chunks

Description

Type: number

2.129.72 system icmp

Display ICMP statistics

icmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/system/icmp
Element Attributes	icmp_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/icmp/stats
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp

icmp attributes

```
POST /axapi/v3/system/icmp
Payload:
{
    "icmp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/icmp

icmp attributes

```
GET /axapi/v3/system/icmp
Reponse:
{
    "icmp": {
        "uuid": "573a656a-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/icmp"
    }
}
```

Modify Object

POST

/axapi/v3/system/icmp

icmp attributes

Replace Object

PUT

/axapi/v3/system/icmp

icmp attributes

```
PUT /axapi/v3/system/icmp
Payload:
{
    "icmp": {
        "sampling-enable": [
            {
                "counters1": "num"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/icmp

icmp attributes

```
DELETE /axapi/v3/system/icmp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

icmp attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num': Total number; 'inmsgs': In Messages; 'inerrors': In Errors; 'indestunreachs': In Destination Unreachable; 'intimeexcds': In TTL Exceeds; 'inparmprobs': In Parameter Problem; 'insrcquenchs': In Source Quench Error; 'inredirects': In Redirects; 'inechos': In Echo requests; 'inechoreps': In Echo replies; 'intimestamps': In Timestamp; 'intimestampreps': In Timestamp Rep; 'inaddrmasks': In Address Masks; 'inaddrmaskreps': In Address Mask Rep; 'outmsgs': Out Message; 'outerrors': Out Errors; 'outdestunreachs': Out Destination Unreachable; 'outtimeexcds': Out TTL Exceeds; 'outparmprobs': Out Parameter Problem; 'outsrcquenchs': Out Source Quench Error; 'outredirects': Out Redirects; 'outechos': Out Echo Requests; 'outechoreps': Out Echo Replies; 'outtimestamps': Out Time Stamp; 'outtimestampreps': Out Time Stamp Rep; 'outaddrmasks': Out Address Mask; 'outaddrmaskreps': Out Address Mask Rep;

Type: string

Supported Values: all, num, inmsgs, inerrors, indestunreachs, intimeexcds, inparmprobs, insrcquenchs, inredirects, inechos, inechoreps, intimestamps, intimestampreps, inaddrmasks, inaddrmaskreps, outmsgs, outerrors, outdestunreachs, outtimeexcds, outparmprobs, outsrcquenchs, outredirects, outechos, outechoreps, outtimestamps, outtimestampreps, outaddrmasks, outaddrmaskreps

2.129.73 system icmp6

Display ICMPv6 statistics

icmp6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp6
Element URI	/axapi/v3/system/icmp6
Element Attributes	icmp6_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/icmp6/stats
Schema	`icmp6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp6

icmp6 attributes

```
POST /axapi/v3/system/icmp6
Payload:
{
    "icmp6": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/icmp6

icmp6 attributes

```
GET /axapi/v3/system/icmp6
Reponse:
{
    "icmp6": {
        "uuid": "573a66dc-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "a10-url": "/axapi/v3/system/icmp6"
    }
}
```

Modify Object

POST

/axapi/v3/system/icmp6

icmp6 attributes

Replace Object

PUT

/axapi/v3/system/icmp6

icmp6 attributes

```
PUT /axapi/v3/system/icmp6
Payload:
{
    "icmp6": {
        "sampling-enable": [
            {
                "counters1": "in_msgs"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/icmp6

icmp6 attributes

```
DELETE /axapi/v3/system/icmp6
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

icmp6 attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'in_msgs': In messages; 'in_errors': In Errors; 'in_dest_un_reach': In Destunation Unreachable; 'in_pkt_too_big': In Packet too big; 'in_time_exceeds': In TTL Exceeds; 'in_param_prob': In Parameter Problem; 'in_echoes': In Echo requests; 'in_exho_reply': In Echo replies; 'in_grp_mem_query': In Group member query; 'in_grp_mem_resp': In Group member reply; 'in_grp_mem_reduction': In Group member reduction; 'in_router_sol': In Router solicitation; 'in_ra': In Router advertisement; 'in_ns': In neighbor solicitation; 'in_na': In neighbor advertisement; 'in_redirect': In Redirects; 'out_msg': Out Messages; 'out_dst_un_reach': Out Destination Unreachable; 'out_pkt_too_big': Out Packet too big; 'out_time_exceeds': Out TTL Exceeds; 'out_param_prob': Out Parameter Problem; 'out_echo_req': Out Echo requests; 'out_echo_replies': Out Echo replies; 'out_rs': Out Router solicitation; 'out_ra': Out Router advertisement; 'out_ns': Out neighbor solicitation; 'out_na': Out neighbor advertisement; 'out_redirects': Out Redirects; 'out_mem_resp': Out Group member reply; 'out_mem_reductions': Out Group member reduction; 'err_rs': Error Router solicitation; 'err_ra': Error Router advertisement; 'err_ns': Error Neighbor solicitation; 'err_na': Error Neighbor advertisement; 'err_redirects': Error Redirects; 'err_echoes': Error Echo requests; 'err_echo_replies': Error Echo replies;

Type: string

Supported Values: all, in_msgs, in_errors, in_dest_un_reach, in_pkt_too_big, in_time_exceeds, in_param_prob, in_echoes, in_exho_reply, in_grp_mem_query, in_grp_mem_resp, in_grp_mem_reduction, in_router_sol, in_ra, in_ns, in_na, in_redirect, out_msg, out_dst_un_reach, out_pkt_too_big, out_time_exceeds, out_param_prob, out_echo_req, out_echo_replies, out_rs, out_ra, out_ns, out_na, out_redirects, out_mem_resp, out_mem_reductions, err_rs, err_ra, err_ns, err_na, err_redirects, err_echoes, err_echo_replies

2.129.74 system icmp6 stats

Statistics for the object icmp6

icmp6 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp6
Element URI	/axapi/v3/system/icmp6/stats
Element Attributes	icmp6_attributes
Partition Visibility	None
Schema	`icmp6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp6/stats

icmp6 attributes

Get Object

GET

/axapi/v3/system/icmp6/stats

icmp6 attributes

Modify Object

POST

/axapi/v3/system/icmp6/stats

icmp6 attributes

Replace Object

PUT

/axapi/v3/system/icmp6/stats

icmp6 attributes

Delete Object

DELETE

/axapi/v3/system/icmp6/stats

icmp6 attributes

icmp6 attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

err_echo_replies

Description Error Echo replies

Type: number

Format: counter

err_echoes

Description Error Echo requests

Type: number

Format: counter

err_na

Description Error Neighbor advertisement

Type: number

Format: counter

err_ns

Description Error Neighbor solicitation

Type: number

Format: counter

err_ra

Description Error Router advertisement

Type: number

Format: counter

err_redirects

Description Error Redirects

Type: number

Format: counter

err_rs

Description Error Router solicitation

Type: number

Format: counter

in_dest_un_reach

Description In Destunation Unreachable

Type: number

Format: counter

in_echoes

Description In Echo requests

Type: number

Format: counter

in_errors

Description In Errors

Type: number

Format: counter

in_exho_reply

Description In Echo replies

Type: number

Format: counter

in_grp_mem_query

Description In Group member query

Type: number

Format: counter

in_grp_mem_reduction

Description In Group member reduction

Type: number

Format: counter

in_grp_mem_resp

Description In Group member reply

Type: number

Format: counter

in_msgs

Description In messages

Type: number

Format: counter

in_na

Description In neighbor advertisement

Type: number

Format: counter

in_ns

Description In neighbor solicitation

Type: number

Format: counter

in_param_prob

Description In Parameter Problem

Type: number

Format: counter

in_pkt_too_big

Description In Packet too big

Type: number

Format: counter

in_ra

Description In Router advertisement

Type: number

Format: counter

in_redirect

Description In Redirects

Type: number

Format: counter

in_router_sol

Description In Router solicitation

Type: number

Format: counter

in_time_exceeds

Description In TTL Exceeds

Type: number

Format: counter

out_dst_un_reach

Description Out Destination Unreachable

Type: number

Format: counter

out_echo_replies

Description Out Echo replies

Type: number

Format: counter

out_echo_req

Description Out Echo requests

Type: number

Format: counter

out_mem_reductions

Description Out Group member reduction

Type: number

Format: counter

out_mem_resp

Description Out Group member reply

Type: number

Format: counter

out_msg

Description Out Messages

Type: number

Format: counter

out_na

Description Out neighbor advertisement

Type: number

Format: counter

out_ns

Description Out neighbor solicitation

Type: number

Format: counter

out_param_prob

Description Out Parameter Problem

Type: number

Format: counter

out_pkt_too_big

Description Out Packet too big

Type: number

Format: counter

out_ra

Description Out Router advertisement

Type: number

Format: counter

out_redirects

Description Out Redirects

Type: number

Format: counter

out_rs

Description Out Router solicitation

Type: number

Format: counter

out_time_exceeds

Description Out TTL Exceeds

Type: number

Format: counter

2.129.75 system icmp-rate

Icmp rate limit statistics

icmp-rate Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp-rate
Element URI	/axapi/v3/system/icmp-rate
Element Attributes	icmp-rate_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/icmp-rate/stats
Schema	`icmp-rate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp-rate

icmp-rate attributes

```
POST /axapi/v3/system/icmp-rate
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "icmp-rate": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/icmp-rate

icmp-rate attributes

```
GET /axapi/v3/system/icmp-rate
Reponse:
{
    "icmp-rate": {
        "uuid": "573a6f60-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/icmp-rate"
    }
}
```

Modify Object

POST

/axapi/v3/system/icmp-rate

icmp-rate attributes

Replace Object

PUT

/axapi/v3/system/icmp-rate

icmp-rate attributes

```
PUT /axapi/v3/system/icmp-rate
Payload:
{
    "icmp-rate": {
        "sampling-enable": [
            {
                "counters1": "over_limit_drop"
            }
```

(continues on next page)

(continued from previous page)

```
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/icmp-rate

icmp-rate attributes

```
DELETE /axapi/v3/system/icmp-rate
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

icmp-rate attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'over_limit_drop': Over limit drops; 'limit_intf_drop': Interfaces rate limit drops; 'limit_vserver_drop': Virtual Server rate limit drops; 'limit_total_drop': Total rate limit drops; 'lockup_time_left': Lockup time left; 'curr_rate': Current rate; 'v6_over_limit_drop': Over limit drops (v6); 'v6_limit_intf_drop': Interfaces rate limit drops (v6); 'v6_limit_vserver_drop': Virtual Server rate limit drops (v6); 'v6_limit_total_drop': Total rate limit drops (v6); 'v6_lockup_time_left': Lockup time left (v6); 'v6_curr_rate': Current rate (v6);

Type: string

Supported Values: all, over_limit_drop, limit_intf_drop, limit_vserver_drop, limit_total_drop, lockup_time_left, curr_rate, v6_over_limit_drop, v6_limit_intf_drop, v6_limit_vserver_drop, v6_limit_total_drop, v6_lockup_time_left, v6_curr_rate

2.129.76 system icmp-rate stats

Statistics for the object icmp-rate

icmp-rate Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp-rate
Element URI	/axapi/v3/system/icmp-rate/stats
Element Attributes	icmp-rate_attributes
Partition Visibility	None
Schema	`icmp-rate schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp-rate/stats

icmp-rate attributes

Get Object

GET

/axapi/v3/system/icmp-rate/stats

icmp-rate attributes

Modify Object

POST

/axapi/v3/system/icmp-rate/stats

icmp-rate attributes

Replace Object

PUT

/axapi/v3/system/icmp-rate/stats

icmp-rate attributes

Delete Object

DELETE

/axapi/v3/system/icmp-rate/stats

icmp-rate attributes

icmp-rate attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_rate

Description Current rate

Type: number

Format: counter

limit_intf_drop

Description Interfaces rate limit drops

Type: number

Format: counter

limit_total_drop

Description Total rate limit drops

Type: number

Format: counter

limit_vserver_drop

Description Virtual Server rate limit drops

Type: number

Format: counter

lockup_time_left

Description Lockup time left

Type: number

Format: counter

over_limit_drop

Description Over limit drops

Type: number

Format: counter

v6_curr_rate

Description Current rate (v6)

Type: number

Format: counter

v6_limit_intf_drop

Description Interfaces rate limit drops (v6)

Type: number

Format: counter

v6_limit_total_drop

Description Total rate limit drops (v6)

Type: number

Format: counter

v6_limit_vserver_drop

Description Virtual Server rate limit drops (v6)

Type: number

Format: counter

v6_lockup_time_left

Description Lockup time left (v6)

Type: number

Format: counter

v6_over_limit_drop

Description Over limit drops (v6)

Type: number

Format: counter

2.129.77 system icmp stats

Statistics for the object icmp

icmp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	icmp
Element URI	/axapi/v3/system/icmp/stats
Element Attributes	icmp_attributes
Partition Visibility	None
Schema	`icmp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/icmp/stats

icmp attributes

Get Object

GET

/axapi/v3/system/icmp/stats

icmp attributes

Modify Object

POST

/axapi/v3/system/icmp/stats

icmp attributes

Replace Object

PUT

/axapi/v3/system/icmp/stats

icmp attributes

Delete Object

DELETE

/axapi/v3/system/icmp/stats

icmp attributes

icmp attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

inaddrmaskreps

Description In Address Mask Rep

Type: number

Format: counter

inaddrmasks

Description In Address Masks

Type: number

Format: counter

indestunreachs

Description In Destination Unreachable

Type: number

Format: counter

inechoreps

Description In Echo replies

Type: number

Format: counter

inechos

Description In Echo requests

Type: number

Format: counter

inerrors

Description In Errors

Type: number

Format: counter

inmsgs

Description In Messages

Type: number

Format: counter

inparmprobs

Description In Parameter Problem

Type: number

Format: counter

inredirects

Description In Redirects

Type: number

Format: counter

insrcquenchs

Description In Source Quench Error

Type: number

Format: counter

intimeexcds

Description In TTL Exceeds

Type: number

Format: counter

intimestampreps

Description In Timestamp Rep

Type: number

Format: counter

intimestamps

Description In Timestamp

Type: number

Format: counter

num

Description Total number

Type: number

Format: counter

outaddrmaskreps

Description Out Address Mask Rep

Type: number

Format: counter

outaddrmasks

Description Out Address Mask

Type: number

Format: counter

outdestunreachs

Description Out Destination Unreachable

Type: number

Format: counter

outechoreps

Description Out Echo Replies

Type: number

Format: counter

outechos

Description Out Echo Requests

Type: number

Format: counter

outerrors

Description Out Errors

Type: number

Format: counter

outmsgs

Description Out Message

Type: number

Format: counter

outparmprobs

Description Out Parameter Problem

Type: number

Format: counter

outredirects

Description Out Redirects

Type: number

Format: counter

outsrcquenchs

Description Out Source Quench Error

Type: number

Format: counter

outtimeexcds

Description Out TTL Exceeds

Type: number

Format: counter

outtimestampreps

Description Out Time Stamp Rep

Type: number

Format: counter

outtimestamps

Description Out Time Stamp

Type: number

Format: counter

2.129.78 system inuse-cpu-list oper

Operational Status for the object inuse-cpu-list

inuse-cpu-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	inuse-cpu-list
Element URI	/axapi/v3/system/inuse-cpu-list/oper
Element Attributes	inuse-cpu-list_attributes
Partition Visibility	None
Schema	`inuse-cpu-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/inuse-cpu-list/oper

inuse-cpu-list attributes

Get Object

GET

/axapi/v3/system/inuse-cpu-list/oper

inuse-cpu-list attributes

Modify Object

POST

/axapi/v3/system/inuse-cpu-list/oper

inuse-cpu-list attributes

Replace Object

PUT

/axapi/v3/system/inuse-cpu-list/oper

inuse-cpu-list attributes

Delete Object

DELETE

/axapi/v3/system/inuse-cpu-list/oper

inuse-cpu-list attributes

inuse-cpu-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

system-inuse-cpu-list

Type: List

oper_system-inuse-cpu-list

Specification	Value
Type	*list*
Block object keys	

CPU-ID

Description

Type: string

CPU-Num

Description

Type: string

HT-CPU

Description

Type: string

NUMA-NODE

Description

Type: string

status

Description

Type: string

2.129.79 system inuse-port-list oper

Operational Status for the object inuse-port-list

inuse-port-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	inuse-port-list
Element URI	/axapi/v3/system/inuse-port-list/oper
Element Attributes	inuse-port-list_attributes
Partition Visibility	None
Schema	`inuse-port-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/inuse-port-list/oper

inuse-port-list attributes

Get Object

GET

/axapi/v3/system/inuse-port-list/oper

inuse-port-list attributes

Modify Object

POST

/axapi/v3/system/inuse-port-list/oper

inuse-port-list attributes

Replace Object

PUT

/axapi/v3/system/inuse-port-list/oper

inuse-port-list attributes

Delete Object

DELETE

/axapi/v3/system/inuse-port-list/oper

inuse-port-list attributes

inuse-port-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

system-inuse-port-list

Type: List

oper_system-inuse-port-list

Specification	Value
Type	*list*
Block object keys	

Mac-Addr

Description

Type: string

Node

Description

Type: string

PCI-Addr

Description

Type: string

Port-Num

Description

Type: string

Speed

Description

Type: string

status

Description

Type: string

2.129.80 system ip6-stats

IPv6 related statistics

ip6-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip6-stats
Element URI	/axapi/v3/system/ip6-stats
Element Attributes	ip6-stats_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/ip6-stats/stats
Schema	`ip6-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip6-stats

ip6-stats attributes

```
POST /axapi/v3/system/ip6-stats
Payload:
{
    "ip6-stats": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ip6-stats

ip6-stats attributes

```
GET /axapi/v3/system/ip6-stats
Reponse:
{
    "ip6-stats": {
        "uuid": "573a68bc-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "a10-url": "/axapi/v3/system/ip6-stats"
    }
}
```

Modify Object

POST

/axapi/v3/system/ip6-stats

ip6-stats attributes

Replace Object

PUT

/axapi/v3/system/ip6-stats

ip6-stats attributes

```
PUT /axapi/v3/system/ip6-stats
Payload:
{
    "ip6-stats": {
        "sampling-enable": [
            {
                "counters1": "inreceives"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ip6-stats

ip6-stats attributes

```
DELETE /axapi/v3/system/ip6-stats
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip6-stats attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inreceives': Incoming packets received; 'inhdrerrors': Incoming packet header errors; 'intoobigerrors': Incoming packet too big errors; 'innoroutes': Incoming no route packet drops; 'inaddrerrors': Incoming packet address errors; 'inunknownprotos': Incoming unkown protocol packet drops; 'intruncatedpkts': Incoming truncated packets; 'indiscards': Incoming packets discarded; 'indelivers': Incoming packets delivered; 'outforwdatagrams': Outgoing forwarded datagrams; 'outrequests': Outgoing packets; 'outdiscards': Outgoing packets discarded; 'outnoroutes': Outgoing no route packet drops; 'reasmtimeout': Reassembly timed out packet drops; 'reasmreqds': Incoming reassembly requests; 'reasmoks': Incoming reassembled packets; 'reasmfails': Incoming reassembly requests failed; 'fragoks': Outgoing packets fragmented; 'fragfails': Outgoing packets fragmentation failed; 'fragcreates': Outgoing fragmented packets; 'inmcastpkts': Incoming multicast packets; 'outmcastpkts': Outgoing multicast packets;

Type: string

Supported Values: all, inreceives, inhdrerrors, intoobigerrors, innoroutes, inaddrerrors, inunknownprotos, intruncatedpkts, indiscards, indelivers, outforwdatagrams, outrequests, outdiscards, outnoroutes, reasmtimeout, reasmreqds, reasmoks, reasmfails, fragoks, fragfails, fragcreates, inmcastpkts, outmcastpkts

2.129.81 system ip6-stats stats

Statistics for the object ip6-stats

ip6-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip6-stats
Element URI	/axapi/v3/system/ip6-stats/stats
Element Attributes	ip6-stats_attributes
Partition Visibility	None
Schema	`ip6-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip6-stats/stats

ip6-stats attributes

Get Object

GET

/axapi/v3/system/ip6-stats/stats

ip6-stats attributes

Modify Object

POST

/axapi/v3/system/ip6-stats/stats

ip6-stats attributes

Replace Object

PUT

/axapi/v3/system/ip6-stats/stats

ip6-stats attributes

Delete Object

DELETE

/axapi/v3/system/ip6-stats/stats

ip6-stats attributes

ip6-stats attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

fragcreates

Description Outgoing fragmented packets

Type: number

Format: counter

fragfails

Description Outgoing packets fragmentation failed

Type: number

Format: counter

fragoks

Description Outgoing packets fragmented

Type: number

Format: counter

inaddrerrors

Description Incoming packet address errors

Type: number

Format: counter

indelivers

Description Incoming packets delivered

Type: number

Format: counter

indiscards

Description Incoming packets discarded

Type: number

Format: counter

inhdrerrors

Description Incoming packet header errors

Type: number

Format: counter

inmcastpkts

Description Incoming multicast packets

Type: number

Format: counter

innoroutes

Description Incoming no route packet drops

Type: number

Format: counter

inreceives

Description Incoming packets received

Type: number

Format: counter

intoobigerrors

Description Incoming packet too big errors

Type: number

Format: counter

intruncatedpkts

Description Incoming truncated packets

Type: number

Format: counter

inunknownprotos

Description Incoming unkown protocol packet drops

Type: number

Format: counter

outdiscards

Description Outgoing packets discarded

Type: number

Format: counter

outforwdatagrams

Description Outgoing forwarded datagrams

Type: number

Format: counter

outmcastpkts

Description Outgoing multicast packets

Type: number

Format: counter

outnoroutes

Description Outgoing no route packet drops

Type: number

Format: counter

outrequests

Description Outgoing packets

Type: number

Format: counter

reasmfails

Description Incoming reassembly requests failed

Type: number

Format: counter

reasmoks

Description Incoming reassembled packets

Type: number

Format: counter

reasmreqds

Description Incoming reassembly requests

Type: number

Format: counter

reasmtimeout

Description Reassembly timed out packet drops

Type: number

Format: counter

2.129.82 system ip-dns-cache

Display ip dns cache

ip-dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-dns-cache
Element URI	/axapi/v3/system/ip-dns-cache
Element Attributes	ip-dns-cache_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/ip-dns-cache/oper
Schema	`ip-dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

Get Object

GET

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

Modify Object

POST

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

Replace Object

PUT

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

Delete Object

DELETE

/axapi/v3/system/ip-dns-cache

ip-dns-cache attributes

ip-dns-cache attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.83 system ip-dns-cache oper

Operational Status for the object ip-dns-cache

ip-dns-cache Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-dns-cache
Element URI	/axapi/v3/system/ip-dns-cache/oper
Element Attributes	ip-dns-cache_attributes
Partition Visibility	None
Schema	`ip-dns-cache schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-dns-cache/oper

ip-dns-cache attributes

Get Object

GET

/axapi/v3/system/ip-dns-cache/oper

ip-dns-cache attributes

Modify Object

POST

/axapi/v3/system/ip-dns-cache/oper

ip-dns-cache attributes

Replace Object

PUT

/axapi/v3/system/ip-dns-cache/oper

ip-dns-cache attributes

Delete Object

DELETE

/axapi/v3/system/ip-dns-cache/oper

ip-dns-cache attributes

ip-dns-cache attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

domain-ip-list

Type: List

oper_domain-ip-list

Specification	Value
Type	*list*
Block object keys	

address

Description

Type: string

domain

Description

Type: string

interval

Description

Type: number

ttl

Description

Type: number

2.129.84 system ip-stats

IP related statistics

ip-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-stats
Element URI	/axapi/v3/system/ip-stats
Element Attributes	ip-stats_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/ip-stats/stats
Schema	`ip-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-stats

ip-stats attributes

```
POST /axapi/v3/system/ip-stats
Payload:
{
    "ip-stats": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ip-stats

ip-stats attributes

Modify Object

POST

/axapi/v3/system/ip-stats

ip-stats attributes

Replace Object

PUT

/axapi/v3/system/ip-stats

ip-stats attributes

Delete Object

DELETE

/axapi/v3/system/ip-stats

ip-stats attributes

ip-stats attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'inreceives': Incoming packets received; 'inhdrerrors': Incoming packet header errors; 'intoobigerrors': Incoming packet too big errors; 'innoroutes': Incoming no route packet drops; 'inaddrerrors': Incoming packet address errors; 'inunknownprotos': Incoming unkown protocol packet drops; 'intruncatedpkts': Incoming truncated packets; 'indiscards': Incoming packets discarded; 'indelivers': Incoming packets delivered; 'outforwdatagrams': Outgoing forwarded datagrams; 'outrequests': Outgoing packets; 'outdiscards': Outgoing packets discarded; 'outnoroutes': Outgoing no route packet drops; 'reasmtimeout': Reassembly timed out packet drops; 'reasmreqds': Incoming reassembly requests; 'reasmoks': Incoming reassembled packets; 'reasmfails': Incoming reassembly requests failed; 'fragoks': Outgoing packets fragmented; 'fragfails': Outgoing packets fragmentation failed; 'fragcreates': Outgoing fragmented packets; 'inmcastpkts': Incoming multicast packets; 'outmcastpkts': Outgoing multicast packets;

Type: string

Supported Values: all, inreceives, inhdrerrors, intoobigerrors, innoroutes, inaddrerrors, inunknownprotos, intruncatedpkts, indiscards, indelivers, outforwdatagrams, outrequests, outdiscards, outnoroutes, reasmtimeout, reasmreqds, reasmoks, reasmfails, fragoks, fragfails, fragcreates, inmcastpkts, outmcastpkts

2.129.85 system ip-stats stats

Statistics for the object ip-stats

ip-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-stats
Element URI	/axapi/v3/system/ip-stats/stats
Element Attributes	ip-stats_attributes
Partition Visibility	None
Schema	`ip-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-stats/stats

ip-stats attributes

Get Object

GET

/axapi/v3/system/ip-stats/stats

ip-stats attributes

Modify Object

POST

/axapi/v3/system/ip-stats/stats

ip-stats attributes

Replace Object

PUT

/axapi/v3/system/ip-stats/stats

ip-stats attributes

Delete Object

DELETE

/axapi/v3/system/ip-stats/stats

ip-stats attributes

ip-stats attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

fragcreates

Description Outgoing fragmented packets

Type: number

Format: counter

fragfails

Description Outgoing packets fragmentation failed

Type: number

Format: counter

fragoks

Description Outgoing packets fragmented

Type: number

Format: counter

inaddrerrors

Description Incoming packet address errors

Type: number

Format: counter

indelivers

Description Incoming packets delivered

Type: number

Format: counter

indiscards

Description Incoming packets discarded

Type: number

Format: counter

inhdrerrors

Description Incoming packet header errors

Type: number

Format: counter

inmcastpkts

Description Incoming multicast packets

Type: number

Format: counter

innoroutes

Description Incoming no route packet drops

Type: number

Format: counter

inreceives

Description Incoming packets received

Type: number

Format: counter

intoobigerrors

Description Incoming packet too big errors

Type: number

Format: counter

intruncatedpkts

Description Incoming truncated packets

Type: number

Format: counter

inunknownprotos

Description Incoming unkown protocol packet drops

Type: number

Format: counter

outdiscards

Description Outgoing packets discarded

Type: number

Format: counter

outforwdatagrams

Description Outgoing forwarded datagrams

Type: number

Format: counter

outmcastpkts

Description Outgoing multicast packets

Type: number

Format: counter

outnoroutes

Description Outgoing no route packet drops

Type: number

Format: counter

outrequests

Description Outgoing packets

Type: number

Format: counter

reasmfails

Description Incoming reassembly requests failed

Type: number

Format: counter

reasmoks

Description Incoming reassembled packets

Type: number

Format: counter

reasmreqds

Description Incoming reassembly requests

Type: number

Format: counter

reasmtimeout

Description Reassembly timed out packet drops

Type: number

Format: counter

2.129.86 system ip-threat-list

Configure System IP Threat List

ip-threat-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-threat-list
Element URI	/axapi/v3/system/ip-threat-list
Element Attributes	ip-threat-list_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/ip-threat-list/stats
Operational Data URI	/axapi/v3/system/ip-threat-list/oper
Schema	`ip-threat-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

```
POST /axapi/v3/system/ip-threat-list
Payload:
{
    "ip-threat-list": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

```
GET /axapi/v3/system/ip-threat-list
Reponse:
{
    "ip-threat-list": {
        "uuid": "c1f285b0-b70d-11ef-b78f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/ip-threat-list"
    }
}
```

Modify Object

POST

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

```
PUT /axapi/v3/system/ip-threat-list
Payload:
{
    "ip-threat-list": {
        "sampling-enable": [
            {
                "counters1": "packet_hit_count_in_sw"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ip-threat-list

ip-threat-list attributes

```
DELETE /axapi/v3/system/ip-threat-list
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip-threat-list attributes

ipv4-dest-list

Description: ipv4-dest-list is a **JSON Block**. Please see below for *ipv4-dest-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv4-dest-list*

ipv4-internet-host-list

Description: ipv4-internet-host-list is a **JSON Block**. Please see below for *ipv4-internet-host-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv4-internet-host-list*

ipv4-source-list

Description: ipv4-source-list is a **JSON Block**. Please see below for *ipv4-source-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv4-source-list*

ipv6-dest-list

Description: ipv6-dest-list is a **JSON Block**. Please see below for *ipv6-dest-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv6-dest-list*

ipv6-internet-host-list

Description: ipv6-internet-host-list is a **JSON Block**. Please see below for *ipv6-internet-host-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv6-internet-host-list*

ipv6-source-list

Description: ipv6-source-list is a **JSON Block**. Please see below for *ipv6-source-list*

Type: Object

Reference Object: */axapi/v3/system/ip-threat-list/ipv6-source-list*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-internet-host-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

white-list

Description Bind exception-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ipv6-internet-host-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ipv4-source-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-source-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ipv4-internet-host-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

white-list

Description Bind exception-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ipv4-internet-host-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'packet_hit_count_in_sw': Packet Hit Count in SW; 'packet_hit_count_in_spe': Packet Hit Count in SPE; 'entries_added_in_sw': Entries Added in SW; 'entries_removed_from_sw': Entries Removed from SW; 'entries_added_in_spe': Entries Added in SPE; 'entries_removed_from_spe': Entries Removed from SPE; 'error_out_of_memory': Out of memory Error; 'error_out_of_spe_entries': Out of SPE Entries Error;

Type: string

Supported Values: all, packet_hit_count_in_sw, packet_hit_count_in_spe, entries_added_in_sw, entries_removed_from_sw, entries_added_in_spe, entries_removed_from_spe, error_out_of_memory, error_out_of_spe_entries

ipv6-dest-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-dest-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ipv4-dest-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-dest-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

ipv6-source-list

Specification	Value
Type	*object*

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-source-list_class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.129.87 system ip-threat-list ipv4-dest-list

List of IPv4 Class Lists for Destination IPv4 Threat List

ipv4-dest-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv4-dest-list
Element URI	/axapi/v3/system/ip-threat-list/ipv4-dest-list
Element Attributes	ipv4-dest-list_attributes
Partition Visibility	shared
Schema	`ipv4-dest-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

```
POST /axapi/v3/system/ip-threat-list/ipv4-dest-list
Payload:
{
    "ipv4-dest-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

```
GET /axapi/v3/system/ip-threat-list/ipv4-dest-list
Reponse:
{
    "ipv4-dest-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
            }
        ],
        "uuid": "3292d0d6-b70e-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ip-threat-list/ipv4-dest-list"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

```
PUT /axapi/v3/system/ip-threat-list/ipv4-dest-list
Payload:
{
    "ipv4-dest-list": {
        "class-list-cfg": [
            {
                "class-list": "abcd",
                "ip-threat-action-tmpl": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv4-dest-list

ipv4-dest-list attributes

```
DELETE /axapi/v3/system/ip-threat-list/ipv4-dest-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4-dest-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.129.88 system ip-threat-list ipv4-internet-host-list

List of IPv4 Class Lists for Internet Host IPv4 Threat List

ipv4-internet-host-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv4-internet-host-list
Element URI	/axapi/v3/system/ip-threat-list/ipv4-internet-host-list
Element Attributes	ipv4-internet-host-list_attributes
Partition Visibility	shared
Schema	`ipv4-internet-host-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

```
POST /axapi/v3/system/ip-threat-list/ipv4-internet-host-list
Payload:
{
    "ipv4-internet-host-list": {
        "white-list": "a"
    }
}
```

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

```
GET /axapi/v3/system/ip-threat-list/ipv4-internet-host-list
Reponse:
{
    "ipv4-internet-host-list": {
        "white-list": "a",
        "uuid": "0cbc8a28-b70e-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ip-threat-list/ipv4-internet-host-list"
    }
}
```

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

```
PUT /axapi/v3/system/ip-threat-list/ipv4-internet-host-list
Payload:
{
    "ipv4-internet-host-list": {
        "white-list": "abcd"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv4-internet-host-list

ipv4-internet-host-list attributes

```
DELETE /axapi/v3/system/ip-threat-list/ipv4-internet-host-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4-internet-host-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

white-list

Description Bind exception-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.129.89 system ip-threat-list ipv4-source-list

List of IPv4 Class Lists for Source IPv4 Threat List

ipv4-source-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv4-source-list
Element URI	/axapi/v3/system/ip-threat-list/ipv4-source-list
Element Attributes	ipv4-source-list_attributes
Partition Visibility	shared
Schema	`ipv4-source-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

```
POST /axapi/v3/system/ip-threat-list/ipv4-source-list
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "ipv4-source-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

```
GET /axapi/v3/system/ip-threat-list/ipv4-source-list
Reponse:
{
    "ipv4-source-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
            }
        ],
        "uuid": "895b7b48-b70e-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ip-threat-list/ipv4-source-list"
    }
}
```

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

```
PUT /axapi/v3/system/ip-threat-list/ipv4-source-list
Payload:
{
    "ipv4-source-list": {
        "class-list-cfg": [
            {
```

(continues on next page)

(continued from previous page)

```
                "class-list": "abcd",
                "ip-threat-action-tmpl": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv4-source-list

ipv4-source-list attributes

```
DELETE /axapi/v3/system/ip-threat-list/ipv4-source-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4-source-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.129.90 system ip-threat-list ipv6-dest-list

List of IPv6 Class Lists for Destination IPv6 Threat List

ipv6-dest-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6-dest-list
Element URI	/axapi/v3/system/ip-threat-list/ipv6-dest-list
Element Attributes	ipv6-dest-list_attributes
Partition Visibility	shared
Schema	`ipv6-dest-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

```
POST /axapi/v3/system/ip-threat-list/ipv6-dest-list
Payload:
{
    "ipv6-dest-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

```
GET /axapi/v3/system/ip-threat-list/ipv6-dest-list
Reponse:
{
    "ipv6-dest-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
            }
        ],
        "uuid": "ab5fa642-b70e-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ip-threat-list/ipv6-dest-list"
    }
}
```

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

```
PUT /axapi/v3/system/ip-threat-list/ipv6-dest-list
Payload:
{
    "ipv6-dest-list": {
        "class-list-cfg": [
            {
                "class-list": "abcd",
                "ip-threat-action-tmpl": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv6-dest-list

ipv6-dest-list attributes

```
DELETE /axapi/v3/system/ip-threat-list/ipv6-dest-list
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-dest-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.129.91 system ip-threat-list ipv6-internet-host-list

List of IPv6 Class Lists for Internet Host IPv6 Threat List

ipv6-internet-host-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6-internet-host-list
Element URI	/axapi/v3/system/ip-threat-list/ipv6-internet-host-list
Element Attributes	ipv6-internet-host-list_attributes
Partition Visibility	shared
Schema	`ipv6-internet-host-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

```
POST /axapi/v3/system/ip-threat-list/ipv6-internet-host-list
Payload:
{
    "ipv6-internet-host-list": {
        "white-list": "a"
    }
}
```

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

```
GET /axapi/v3/system/ip-threat-list/ipv6-internet-host-list
Reponse:
{
    "ipv6-internet-host-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
            }
        ],
        "uuid": "0ca5c7d4-b70e-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ip-threat-list/ipv6-internet-host-list"
    }
}
```

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

```
PUT /axapi/v3/system/ip-threat-list/ipv6-internet-host-list
Payload:
{
    "ipv6-internet-host-list": {
        "class-list-cfg": [
            {
                "class-list": "abcd",
                "ip-threat-action-tmpl": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv6-internet-host-list

ipv6-internet-host-list attributes

```
DELETE /axapi/v3/system/ip-threat-list/ipv6-internet-host-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-internet-host-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

white-list

Description Bind exception-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.129.92 system ip-threat-list ipv6-source-list

List of IPv6 Class Lists for Source IPv6 Threat List

ipv6-source-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipv6-source-list
Element URI	/axapi/v3/system/ip-threat-list/ipv6-source-list
Element Attributes	ipv6-source-list_attributes
Partition Visibility	shared
Schema	`ipv6-source-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

```
POST /axapi/v3/system/ip-threat-list/ipv6-source-list
Payload:
{
    "ipv6-source-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

```
GET /axapi/v3/system/ip-threat-list/ipv6-source-list
Reponse:
{
    "ipv6-source-list": {
        "class-list-cfg": [
            {
                "class-list": "a",
                "ip-threat-action-tmpl": 1
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "uuid": "0bbd9c10-b70f-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ip-threat-list/ipv6-source-list"
    }
}
```

Modify Object

POST

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

```
PUT /axapi/v3/system/ip-threat-list/ipv6-source-list
Payload:
{
    "ipv6-source-list": {
        "class-list-cfg": [
            {
                "class-list": "abcd",
                "ip-threat-action-tmpl": 2
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/ipv6-source-list

ipv6-source-list attributes

```
DELETE /axapi/v3/system/ip-threat-list/ipv6-source-list
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-source-list attributes

class-list-cfg

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

class-list-cfg

Specification	Value
Type	*list*
Block object keys	

class-list

Description Bind class-list (class-list name)

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/class-list*

ip-threat-action-tmpl

Description Bind ip-threat-action Template (ip-threat-action Template number)

Type: number

Range: 1-8

2.129.93 system ip-threat-list oper

Operational Status for the object ip-threat-list

ip-threat-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-threat-list
Element URI	/axapi/v3/system/ip-threat-list/oper
Element Attributes	ip-threat-list_attributes
Partition Visibility	None
Schema	`ip-threat-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/oper

ip-threat-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list/oper

ip-threat-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list/oper

ip-threat-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/oper

ip-threat-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/oper

ip-threat-list attributes

ip-threat-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

entries-list

Type: List

v4-address

Description

Type: string

Format: ipv4-address

v4-netmask

Description

Type: string

Format: ipv4-netmask-brief

v6-prefix

Description

Type: string

Format: ipv6-address-plen

oper_entries-list

Specification	Value
Type	*list*
Block object keys	

age

Description

Type: number

class-list

Description

Type: string

hit-count

Description

Type: number

in-spe

Description

Type: string

ip

Description

Type: string

match-type

Description

Type: string

2.129.94 system ip-threat-list stats

Statistics for the object ip-threat-list

ip-threat-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ip-threat-list
Element URI	/axapi/v3/system/ip-threat-list/stats
Element Attributes	ip-threat-list_attributes
Partition Visibility	None
Schema	`ip-threat-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ip-threat-list/stats

ip-threat-list attributes

Get Object

GET

/axapi/v3/system/ip-threat-list/stats

ip-threat-list attributes

Modify Object

POST

/axapi/v3/system/ip-threat-list/stats

ip-threat-list attributes

Replace Object

PUT

/axapi/v3/system/ip-threat-list/stats

ip-threat-list attributes

Delete Object

DELETE

/axapi/v3/system/ip-threat-list/stats

ip-threat-list attributes

ip-threat-list attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

entries_added_in_spe

Description Entries Added in SPE

Type: number

Format: counter

entries_added_in_sw

Description Entries Added in SW

Type: number

Format: counter

entries_removed_from_spe

Description Entries Removed from SPE

Type: number

Format: counter

entries_removed_from_sw

Description Entries Removed from SW

Type: number

Format: counter

error_out_of_memory

Description Out of memory Error

Type: number

Format: counter

error_out_of_spe_entries

Description Out of SPE Entries Error

Type: number

Format: counter

packet_hit_count_in_spe

Description Packet Hit Count in SPE

Type: number

Format: counter

packet_hit_count_in_sw

Description Packet Hit Count in SW

Type: number

Format: counter

2.129.95 system ipmi-service

Disable IPMI on box

ipmi-service Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipmi-service
Element URI	/axapi/v3/system/ipmi-service
Element Attributes	ipmi-service_attributes
Partition Visibility	shared
Schema	`ipmi-service schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ipmi-service

ipmi-service attributes

```
POST /axapi/v3/system/ipmi-service
Payload:
{
    "ipmi-service": {
        "disable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/ipmi-service

ipmi-service attributes

```
GET /axapi/v3/system/ipmi-service
Reponse:
{
    "ipmi-service": {
        "disable": 1,
        "uuid": "9ecdeeb0-b70f-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ipmi-service"
    }
}
```

Modify Object

POST

/axapi/v3/system/ipmi-service

ipmi-service attributes

Replace Object

PUT

/axapi/v3/system/ipmi-service

ipmi-service attributes

```
PUT /axapi/v3/system/ipmi-service
Payload:
{
    "ipmi-service": {
        "disable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ipmi-service

ipmi-service attributes

```
DELETE /axapi/v3/system/ipmi-service
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipmi-service attributes

disable

Description Disable IPMI on platform

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.96 system ipsec

Configure Crypto Cores for IPsec processing

ipsec Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ipsec
Element URI	/axapi/v3/system/ipsec
Element Attributes	ipsec_attributes
Partition Visibility	shared
Schema	`ipsec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ipsec

ipsec attributes

```
POST /axapi/v3/system/ipsec
Payload:
{
    "ipsec": {
        "packet-round-robin": 1,
        "fpga-decrypt": {
            "action": "enable"
        }
    }
}
```

Get Object

GET

/axapi/v3/system/ipsec

ipsec attributes

Modify Object

POST

/axapi/v3/system/ipsec

ipsec attributes

Replace Object

PUT

/axapi/v3/system/ipsec

ipsec attributes

Delete Object

DELETE

/axapi/v3/system/ipsec

ipsec attributes

ipsec attributes

QAT

Description HW assisted QAT SSL module

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crypto-core

Description Crypto cores assigned for IPsec processing

Type: number

Range: 0-64

Default: 0

crypto-mem

Description Crypto memory percentage assigned for IPsec processing (rounded to increments of 10)

Type: number

Range: 0-100

Default: 0

fpga-decrypt

Description: fpga-decrypt is a **JSON Block**. Please see below for *fpga-decrypt*

Type: Object

Reference Object: */axapi/v3/system/ipsec/fpga-decrypt*

packet-round-robin

Description Enable packet round robin for IPsec packets

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

fpga-decrypt

Specification	Value
Type	*object*

action

Description 'enable': Enable FPGA decryption offload; 'disable': Disable FPGA decryption offload;

Type: string

Supported Values: enable, disable

Default: disable

2.129.97 system job-offload

job offload counter

job-offload Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	job-offload
Element URI	/axapi/v3/system/job-offload
Element Attributes	job-offload_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/job-offload/stats
Operational Data URI	/axapi/v3/system/job-offload/oper
Schema	`job-offload schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/job-offload

job-offload attributes

```
POST /axapi/v3/system/job-offload
Payload:
{
    "job-offload": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/job-offload

job-offload attributes

Modify Object

POST

/axapi/v3/system/job-offload

job-offload attributes

Replace Object

PUT

/axapi/v3/system/job-offload

job-offload attributes

Delete Object

DELETE

/axapi/v3/system/job-offload

job-offload attributes

job-offload attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'jobs': Current Jobs; 'submit': Jobs Submitted; 'receive': Jobs Received; 'execute': Jobs Executed; 'snt_home': Jobs Sent Back Home; 'rcv_home': Jobs Received Home; 'complete': Jobs Completed; 'fail_submit': Jobs Failed to Submit; 'q_no_space': No More Space in Q; 'fail_execute': Failed to Execute Job; 'fail_complete': Failed to Complete Job;

Type: string

Supported Values: all, jobs, submit, receive, execute, snt_home, rcv_home, complete, fail_submit, q_no_space, fail_execute, fail_complete

2.129.98 system job-offload oper

Operational Status for the object job-offload

job-offload Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	job-offload
Element URI	/axapi/v3/system/job-offload/oper
Element Attributes	job-offload_attributes
Partition Visibility	None
Schema	`job-offload schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/job-offload/oper

job-offload attributes

Get Object

GET

/axapi/v3/system/job-offload/oper

job-offload attributes

Modify Object

POST

/axapi/v3/system/job-offload/oper

job-offload attributes

Replace Object

PUT

/axapi/v3/system/job-offload/oper

job-offload attributes

Delete Object

DELETE

/axapi/v3/system/job-offload/oper

job-offload attributes

job-offload attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

job-offload-cpu-list

Type: List

offload-cpus

Description

Type: number

oper_job-offload-cpu-list

Specification	Value
Type	*list*
Block object keys	

complete

Description

Type: number

execute

Description

Type: number

fail_complete

Description

Type: number

fail_execute

Description

Type: number

fail_submit

Description

Type: number

jobs

Description

Type: number

q_no_space

Description

Type: number

rcv_home

Description

Type: number

receive

Description

Type: number

snt_home

Description

Type: number

submit

Description

Type: number

2.129.99 system job-offload stats

Statistics for the object job-offload

job-offload Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	job-offload
Element URI	/axapi/v3/system/job-offload/stats
Element Attributes	job-offload_attributes
Partition Visibility	None
Schema	`job-offload schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/job-offload/stats

job-offload attributes

Get Object

GET

/axapi/v3/system/job-offload/stats

job-offload attributes

Modify Object

POST

/axapi/v3/system/job-offload/stats

job-offload attributes

Replace Object

PUT

/axapi/v3/system/job-offload/stats

job-offload attributes

Delete Object

DELETE

/axapi/v3/system/job-offload/stats

job-offload attributes

job-offload attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

complete

Description Jobs Completed

Type: number

Format: counter

execute

Description Jobs Executed

Type: number

Format: counter

fail_complete

Description Failed to Complete Job

Type: number

Format: counter

fail_execute

Description Failed to Execute Job

Type: number

Format: counter

fail_submit

Description Jobs Failed to Submit

Type: number

Format: counter

jobs

Description Current Jobs

Type: number

Format: counter

q_no_space

Description No More Space in Q

Type: number

Format: counter

rcv_home

Description Jobs Received Home

Type: number

Format: counter

receive

Description Jobs Received

Type: number

Format: counter

snt_home

Description Jobs Sent Back Home

Type: number

Format: counter

submit

Description Jobs Submitted

Type: number

Format: counter

2.129.100 system link-capability

To enable/disable link capabilities

link-capability Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	link-capability
Element URI	/axapi/v3/system/link-capability
Element Attributes	link-capability_attributes
Partition Visibility	shared
Schema	`link-capability schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/link-capability

link-capability attributes

```
POST /axapi/v3/system/link-capability
Payload:
{
    "link-capability": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/link-capability

link-capability attributes

Modify Object

POST

/axapi/v3/system/link-capability

link-capability attributes

Replace Object

PUT

/axapi/v3/system/link-capability

link-capability attributes

Delete Object

DELETE

/axapi/v3/system/link-capability

link-capability attributes

link-capability attributes

enable

Description Enable/Disable link capabilities

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.101 system memory

Configure System Parameters

memory Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory
Element URI	/axapi/v3/system/memory
Element Attributes	memory_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/memory/stats
Operational Data URI	/axapi/v3/system/memory/oper
Schema	`memory schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/memory

memory attributes

```
POST /axapi/v3/system/memory
Payload:
{
    "memory": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/memory

memory attributes

```
GET /axapi/v3/system/memory
Reponse:
{
    "memory": {
        "uuid": "57398c6c-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/memory"
    }
}
```

Modify Object

POST

/axapi/v3/system/memory

memory attributes

Replace Object

PUT

/axapi/v3/system/memory

memory attributes

```
PUT /axapi/v3/system/memory
Payload:
{
    "memory": {
        "sampling-enable": [
            {
                "counters1": "usage-percentage"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/memory

memory attributes

```
DELETE /axapi/v3/system/memory
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

memory attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'usage-percentage': Memory Usage percentage;

Type: string

Supported Values: all, usage-percentage

2.129.102 system memory-block-debug

Set memory block debug

memory-block-debug Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory-block-debug
Element URI	/axapi/v3/system/memory-block-debug
Element Attributes	memory-block-debug_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/memory-block-debug/oper
Schema	`memory-block-debug schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/memory-block-debug

memory-block-debug attributes

```
POST /axapi/v3/system/memory-block-debug
Payload:
{
    "memory-block-debug": {
        "assert-block": 65536
    }
}
```

Get Object

GET

/axapi/v3/system/memory-block-debug

memory-block-debug attributes

```
GET /axapi/v3/system/memory-block-debug
Reponse:
{
    "memory-block-debug": {
        "assert-block": 65536,
        "pktdump-block": 0,
        "first-blk": 8192,
        "second-blk": 16384,
        "third-blk": 32768,
        "fourth-blk": 65536,
        "uuid": "57399c34-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/memory-block-debug"
    }
}
```

Modify Object

POST

/axapi/v3/system/memory-block-debug

memory-block-debug attributes

Replace Object

PUT

/axapi/v3/system/memory-block-debug

memory-block-debug attributes

```
PUT /axapi/v3/system/memory-block-debug
Payload:
{
    "memory-block-debug": {
        "assert-block": 65537
    }
}
```

Delete Object

DELETE

/axapi/v3/system/memory-block-debug

memory-block-debug attributes

```
DELETE /axapi/v3/system/memory-block-debug
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

memory-block-debug attributes

assert-block

Description Over size block allocation (Assert memory block over size (default: 16384))

Type: number

Range: 65536-1048576

Default: 65536

first-blk

Description First memory block ascending order (default: 2048) (Memory blocks 32,64,128,256,512,1K,2K,4K,8K,16K)

Type: number

Range: 32-1048576

Default: 8192

fourth-blk

Description Fourth memory block (default: 16384) (Memory blocks 32,64,128,256,512,1K,2K,4K,8K,16K)

Type: number

Range: 32-1048576

Default: 65536

pktdump-block

Description Enable pktdump Oversize block request packet

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

second-blk

Description Second memory block (default: 4096) (Memory blocks 32,64,128,256,512,1K,2K,4K,8K,16K)

Type: number

Range: 32-1048576

Default: 16384

third-blk

Description Third memory block (default: 8192) (Memory blocks 32,64,128,256,512,1K,2K,4K,8K,16K)

Type: number

Range: 32-1048576

Default: 32768

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.103 system memory-block-debug oper

Operational Status for the object memory-block-debug

memory-block-debug Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory-block-debug
Element URI	/axapi/v3/system/memory-block-debug/oper
Element Attributes	memory-block-debug_attributes
Partition Visibility	None
Schema	`memory-block-debug schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/memory-block-debug/oper

memory-block-debug attributes

Get Object

GET

/axapi/v3/system/memory-block-debug/oper

memory-block-debug attributes

Modify Object

POST

/axapi/v3/system/memory-block-debug/oper

memory-block-debug attributes

Replace Object

PUT

/axapi/v3/system/memory-block-debug/oper

memory-block-debug attributes

Delete Object

DELETE

/axapi/v3/system/memory-block-debug/oper

memory-block-debug attributes

memory-block-debug attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

a10-mem

Type: List

a10-mem-id-max

Description

Type: number

all-everything

Type: List

block-debug-arr-one

Description

Type: string

block-debug-arr-three

Description

Type: string

block-debug-arr-two

Description

Type: string

block-debug-arr-zero

Description

Type: string

thread-id

Description

Type: number

oper_all-everything

Specification	Value
Type	*list*
Block object keys	

alloc-one

Description

Type: number

alloc-three

Description

Type: number

alloc-two

Description

Type: number

alloc-zero

Description

Type: number

block-debug-alloc-max-over

Description

Type: number

block-debug-alloc-over

Description

Type: number

block-debug-free-over

Description

Type: number

debug-decision-alloc

Description

Type: number

debug-decision-free

Description

Type: number

debug-decision-over-size

Description

Type: number

free-five

Description

Type: number

free-four

Description

Type: number

free-seven

Description

Type: number

free-six

Description

Type: number

id

Description

Type: number

module-name

Description

Type: string

oper_a10-mem

Specification	Value
Type	*list*
Block object keys	

t-alloc-one

Description

Type: number

t-alloc-three

Description

Type: number

t-alloc-two

Description

Type: number

t-alloc-zero

Description

Type: number

t-block-debug-alloc-max-over

Description

Type: number

t-block-debug-alloc-over

Description

Type: number

t-block-debug-free-over

Description

Type: number

t-debug-decision-alloc

Description

Type: number

t-debug-decision-free

Description

Type: number

t-debug-decision-over-size

Description

Type: number

t-free-five

Description

Type: number

t-free-four

Description

Type: number

t-free-seven

Description

Type: number

t-free-six

Description

Type: number

t-id

Description

Type: number

t-module-name

Description

Type: string

2.129.104 system memory oper

Operational Status for the object memory

memory Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory
Element URI	/axapi/v3/system/memory/oper
Element Attributes	memory_attributes
Partition Visibility	None
Schema	`memory schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/memory/oper

memory attributes

Get Object

GET

/axapi/v3/system/memory/oper

memory attributes

Modify Object

POST

/axapi/v3/system/memory/oper

memory attributes

Replace Object

PUT

/axapi/v3/system/memory/oper

memory attributes

Delete Object

DELETE

/axapi/v3/system/memory/oper

memory attributes

memory attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Buffers

Description

Type: number

Cached

Description

Type: number

Free

Description

Type: number

Linux-cache

Description

Type: number

Linux-free

Description

Type: number

Linux-usage

Description

Type: string

Linux-used

Description

Type: number

N2-memory

Type: List

Pool-total

Description

Type: number

Pool-unused

Description

Type: number

Pool-usage

Description

Type: string

Pool-used

Description

Type: number

SSL-memory

Type: List

Shared

Description

Type: number

System-memory

Type: List

TCP-memory

Type: List

Total

Description

Type: number

Usage

Description

Type: string

Used

Description

Type: number

aFleX-memory

Type: List

aflex-memory-counts

Description

Type: number

n2-memory-counts

Description

Type: number

ssl-memory-counts

Description

Type: number

system-memory-counts

Description

Type: number

tcp-memory-counts

Description

Type: number

oper_SSL-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

oper_N2-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

oper_aFleX-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

oper_TCP-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

oper_System-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

2.129.105 system memory stats

Statistics for the object memory

memory Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory
Element URI	/axapi/v3/system/memory/stats
Element Attributes	memory_attributes
Partition Visibility	None
Schema	`memory schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/memory/stats

memory attributes

Get Object

GET

/axapi/v3/system/memory/stats

memory attributes

Modify Object

POST

/axapi/v3/system/memory/stats

memory attributes

Replace Object

PUT

/axapi/v3/system/memory/stats

memory attributes

Delete Object

DELETE

/axapi/v3/system/memory/stats

memory attributes

memory attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

usage-percentage

Description Memory Usage percentage

Type: number

Format: counter

2.129.106 system mfa-cert-store

Define a 2FA management client certificate store

mfa-cert-store Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mfa-cert-store
Element URI	/axapi/v3/system/mfa-cert-store
Element Attributes	mfa-cert-store_attributes
Partition Visibility	shared
Schema	`mfa-cert-store schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

Get Object

GET

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

Modify Object

POST

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

Replace Object

PUT

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

Delete Object

DELETE

/axapi/v3/system/mfa-cert-store

mfa-cert-store attributes

mfa-cert-store attributes

cert-host

Description Configure certificate store host

Type: string

Format: host

cert-store-path

Description Configure certificate store path

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

passwd-string

Description Certificate store host password

Type: string

Format: password

Maximum Length: 128 characters

Maximum Length: 1 characters

protocol

Description 'tftp': Use tftp for connection; 'ftp': Use ftp for connection; 'scp': Use scp for connection; 'http': Use http for connection; 'https': Use https for connection; 'sftp': Use sftp for connection;

Type: string

Supported Values: tftp, ftp, scp, http, https, sftp

username

Description Certificate store host username

Type: string

Format: string-rlx

Maximum Length: 31 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.107 system mfa-management

Enable 2FA for management plane

mfa-management Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mfa-management
Element URI	/axapi/v3/system/mfa-management
Element Attributes	mfa-management_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/mfa-management/oper
Schema	`mfa-management schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mfa-management

mfa-management attributes

Get Object

GET

/axapi/v3/system/mfa-management

mfa-management attributes

Modify Object

POST

/axapi/v3/system/mfa-management

mfa-management attributes

Replace Object

PUT

/axapi/v3/system/mfa-management

mfa-management attributes

Delete Object

DELETE

/axapi/v3/system/mfa-management

mfa-management attributes

mfa-management attributes

enable

Description Enable 2FA for management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.108 system mfa-management oper

Operational Status for the object mfa-management

mfa-management Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mfa-management
Element URI	/axapi/v3/system/mfa-management/oper
Element Attributes	mfa-management_attributes
Partition Visibility	None
Schema	`mfa-management schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mfa-management/oper

mfa-management attributes

Get Object

GET

/axapi/v3/system/mfa-management/oper

mfa-management attributes

Modify Object

POST

/axapi/v3/system/mfa-management/oper

mfa-management attributes

Replace Object

PUT

/axapi/v3/system/mfa-management/oper

mfa-management attributes

Delete Object

DELETE

/axapi/v3/system/mfa-management/oper

mfa-management attributes

mfa-management attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

enable

Description

Type: number

2.129.109 system mfa-validation-type

Define a 2FA management validation parameter

mfa-validation-type Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	mfa-validation-type
Element URI	/axapi/v3/system/mfa-validation-type
Element Attributes	mfa-validation-type_attributes
Partition Visibility	shared
Schema	`mfa-validation-type schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

Get Object

GET

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

Modify Object

POST

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

Replace Object

PUT

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

Delete Object

DELETE

/axapi/v3/system/mfa-validation-type

mfa-validation-type attributes

mfa-validation-type attributes

ca-cert

Description Configure CA Certificate

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.110 system mon-template

Define an template monitor

mon-template Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	mon-template
Element URI	/axapi/v3/system/mon-template
Element Attributes	mon-template_attributes
Partition Visibility	shared
Schema	`mon-template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/mon-template

mon-template_attributes

mon-template attributes

link-block-as-down

Description: link-block-as-down is a **JSON Block**. Please see below for *link-block-as-down*

Type: Object

Reference Object: */axapi/v3/system/mon-template/link-block-as-down*

link-down-on-restart

Description: link-down-on-restart is a **JSON Block**. Please see below for *link-down-on-restart*

Type: Object

Reference Object: */axapi/v3/system/mon-template/link-down-on-restart*

monitor-list

Type: List

Reference Object: */axapi/v3/system/mon-template/monitor/{id}*

link-down-on-restart

Specification	Value
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list

Specification	Value
Type	*list*
Block object keys	

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

monitor-list_clear-cfg

Specification	Value
Type	*list*
Block object keys	

clear-all-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-all-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

monitor-list_link-enable-cfg

Specification	Value
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-up-cfg

Specification	Value
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the sequece number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-down-cfg

Specification	Value
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the seqeuence number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

monitor-list_link-disable-cfg

Specification	Value
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

link-block-as-down

Specification	Value
Type	*object*

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.111 system mon-template link-block-as-down

LACP Link-block will be treated as Link-down template

link-block-as-down Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	link-block-as-down
Element URI	/axapi/v3/system/mon-template/link-block-as-down
Element Attributes	link-block-as-down_attributes
Partition Visibility	shared
Schema	`link-block-as-down schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

```
POST /axapi/v3/system/mon-template/link-block-as-down
Payload:
{
    "link-block-as-down": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

```
GET /axapi/v3/system/mon-template/link-block-as-down
Reponse:
{
    "link-block-as-down": {
        "enable": 1,
        "uuid": "57393424-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/mon-template/link-block-as-down"
    }
}
```

Modify Object

POST

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

Replace Object

PUT

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

```
PUT /axapi/v3/system/mon-template/link-block-as-down
Payload:
{
    "link-block-as-down": {
        "enable": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/system/mon-template/link-block-as-down

link-block-as-down attributes

```
DELETE /axapi/v3/system/mon-template/link-block-as-down
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

link-block-as-down attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.112 system mon-template link-down-on-restart

All Link event will be treated as Link-down template

link-down-on-restart Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	link-down-on-restart
Element URI	/axapi/v3/system/mon-template/link-down-on-restart
Element Attributes	link-down-on-restart_attributes
Partition Visibility	shared
Schema	`link-down-on-restart schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

```
POST /axapi/v3/system/mon-template/link-down-on-restart
Payload:
{
    "link-down-on-restart": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

```
GET /axapi/v3/system/mon-template/link-down-on-restart
Reponse:
{
    "link-down-on-restart": {
        "enable": 1,
        "uuid": "573935d2-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/mon-template/link-down-on-restart"
    }
}
```

Modify Object

POST

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

Replace Object

PUT

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

Delete Object

DELETE

/axapi/v3/system/mon-template/link-down-on-restart

link-down-on-restart attributes

link-down-on-restart attributes

enable

Description

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.113 system mon-template monitor

Monitor template

monitor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*id*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/system/mon-template/monitor
Element Name	monitor
Element URI	/axapi/v3/system/mon-template/monitor/{id}
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/mon-template/monitor

monitor attributes

```
POST /axapi/v3/system/mon-template/monitor/
Payload:
{
    "monitor": {
        "id": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/system/mon-template/monitor

monitor attributes

Get Object

GET

/axapi/v3/system/mon-template/monitor/{id}

monitor attributes

```
GET /axapi/v3/system/mon-template/monitor/1
Reponse:
{
    "monitor": {
        "id": 1,
        "monitor-relation": "monitor-and",
        "uuid": "6833f166-b713-11ef-b78f-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/system/mon-template/monitor/1"
    }
}
```

Get List

GET

/axapi/v3/system/mon-template/monitor

monitor-list

Modify Object

POST

/axapi/v3/system/mon-template/monitor/{id}

monitor attributes

Replace Object

PUT

/axapi/v3/system/mon-template/monitor/{id}

monitor attributes

```
PUT /axapi/v3/system/mon-template/monitor/1
Payload:
{
    "monitor": {
        "id": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/system/mon-template/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/system/mon-template/monitor/{id}

monitor attributes

```
DELETE /axapi/v3/system/mon-template/monitor/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

clear-cfg

Type: List

id

Description Monitor template ID Number

Type: number

Range: 1-16

link-disable-cfg

Type: List

link-down-cfg

Type: List

link-enable-cfg

Type: List

link-up-cfg

Type: List

monitor-relation

Description 'monitor-and': Configures the monitors in current template to work with AND logic; 'monitor-or': Configures the monitors in current template to work with OR logic;

Type: string

Supported Values: monitor-and, monitor-or

Default: monitor-and

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

clear-cfg

Specification	Value
Type	*list*
Block object keys	

clear-all-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-all-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-all-sequence

Description Sequence number (Specify the port physical port number)

Type: number

Range: 1-16

clear-partition

Description Partition name to clear

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/partition*

clear-partition-all

Description Clear all partitions

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

clear-sequence

Description Specify the port physical port number

Type: number

Range: 1-16

sessions

Description 'all': Clear all sessions; 'sequence': Sequence number;

Type: string

Supported Values: all, sequence

link-enable-cfg

Specification	Value
Type	*list*
Block object keys	

ena-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

enaeth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

link-up-cfg

Specification	Value
Type	*list*
Block object keys	

link-up-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence2

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-up-sequence3

Description Sequence number (Specify the sequece number)

Type: number

Range: 1-16

linkup-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkup-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

link-down-cfg

Specification	Value
Type	*list*
Block object keys	

link-down-sequence1

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

link-down-sequence2

Description Sequence number (Specify the seqeuence number)

Type: number

Range: 1-16

link-down-sequence3

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

linkdown-ethernet1

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet2

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

linkdown-ethernet3

Description Specify the port physical port number (Ethernet interface number)

Type: number

Format: interface

link-disable-cfg

Specification	Value
Type	*list*
Block object keys	

dis-sequence

Description Sequence number (Specify the sequence number)

Type: number

Range: 1-16

diseth

Description Specify the physical port number (Ethernet interface number)

Type: number

Format: interface

2.129.114 system ndisc-ra

Neighbor discovery and RA counters

ndisc-ra Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ndisc-ra
Element URI	/axapi/v3/system/ndisc-ra
Element Attributes	ndisc-ra_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/ndisc-ra/stats
Schema	`ndisc-ra schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

```
POST /axapi/v3/system/ndisc-ra
Payload:
{
    "ndisc-ra": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

```
GET /axapi/v3/system/ndisc-ra
Reponse:
{
    "ndisc-ra": {
        "uuid": "573a773a-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/ndisc-ra"
    }
}
```

Modify Object

POST

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

Replace Object

PUT

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

```
PUT /axapi/v3/system/ndisc-ra
Payload:
{
    "ndisc-ra": {
        "sampling-enable": [
            {
                "counters1": "good_recv"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ndisc-ra

ndisc-ra attributes

```
DELETE /axapi/v3/system/ndisc-ra
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ndisc-ra attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'good_recv': Good Router Solicitations (R.S.) Received; 'periodic_sent': Periodic Router Advertisements (R.A.) Sent; 'rate_limit': R.S. Rate Limited; 'bad_hop_limit': R.S. Bad Hop Limit; 'truncated': R.S. Truncated; 'bad_icmpv6_csum': R.S. Bad ICMPv6 Checksum; 'bad_icmpv6_code': R.S. Unknown ICMPv6 Code; 'bad_icmpv6_option': R.S. Bad ICMPv6 Option; 'l2_addr_and_unspec': R.S. Src Link-Layer Option and Unspecified Address; 'no_free_buffers': No Free Buffers to send R.A.;

Type: string

Supported Values: all, good_recv, periodic_sent, rate_limit, bad_hop_limit, truncated, bad_icmpv6_csum, bad_icmpv6_code, bad_icmpv6_option, l2_addr_and_unspec, no_free_buffers

2.129.115 system ndisc-ra stats

Statistics for the object ndisc-ra

ndisc-ra Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ndisc-ra
Element URI	/axapi/v3/system/ndisc-ra/stats
Element Attributes	ndisc-ra_attributes
Partition Visibility	None
Schema	`ndisc-ra schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ndisc-ra/stats

ndisc-ra attributes

Get Object

GET

/axapi/v3/system/ndisc-ra/stats

ndisc-ra attributes

Modify Object

POST

/axapi/v3/system/ndisc-ra/stats

ndisc-ra attributes

Replace Object

PUT

/axapi/v3/system/ndisc-ra/stats

ndisc-ra attributes

Delete Object

DELETE

/axapi/v3/system/ndisc-ra/stats

ndisc-ra attributes

ndisc-ra attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

bad_hop_limit

Description R.S. Bad Hop Limit

Type: number

Format: counter

bad_icmpv6_code

Description R.S. Unknown ICMPv6 Code

Type: number

Format: counter

bad_icmpv6_csum

Description R.S. Bad ICMPv6 Checksum

Type: number

Format: counter

bad_icmpv6_option

Description R.S. Bad ICMPv6 Option

Type: number

Format: counter

good_recv

Description Good Router Solicitations (R.S.) Received

Type: number

Format: counter

l2_addr_and_unspec

Description R.S. Src Link-Layer Option and Unspecified Address

Type: number

Format: counter

no_free_buffers

Description No Free Buffers to send R.A.

Type: number

Format: counter

periodic_sent

Description Periodic Router Advertisements (R.A.) Sent

Type: number

Format: counter

rate_limit

Description R.S. Rate Limited

Type: number

Format: counter

truncated

Description R.S. Truncated

Type: number

Format: counter

2.129.116 system netvsc-monitor

To enable/disable auto-recovery from Rx/Tx hang

netvsc-monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	netvsc-monitor
Element URI	/axapi/v3/system/netvsc-monitor
Element Attributes	netvsc-monitor_attributes
Partition Visibility	shared
Schema	`netvsc-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/netvsc-monitor

netvsc-monitor attributes

Get Object

GET

/axapi/v3/system/netvsc-monitor

netvsc-monitor attributes

Modify Object

POST

/axapi/v3/system/netvsc-monitor

netvsc-monitor attributes

Replace Object

PUT

/axapi/v3/system/netvsc-monitor

netvsc-monitor attributes

Delete Object

DELETE

/axapi/v3/system/netvsc-monitor

netvsc-monitor attributes

netvsc-monitor attributes

enable

Description Enable/Disable auto-recovery from Rx/Tx hang

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.117 system nsm-a10lb

NSM to A10lb communication options

nsm-a10lb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	nsm-a10lb
Element URI	/axapi/v3/system/nsm-a10lb
Element Attributes	nsm-a10lb_attributes
Partition Visibility	shared
Schema	`nsm-a10lb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/nsm-a10lb

nsm-a10lb attributes

Get Object

GET

/axapi/v3/system/nsm-a10lb

nsm-a10lb attributes

Modify Object

POST

/axapi/v3/system/nsm-a10lb

nsm-a10lb attributes

Replace Object

PUT

/axapi/v3/system/nsm-a10lb

nsm-a10lb attributes

Delete Object

DELETE

/axapi/v3/system/nsm-a10lb

nsm-a10lb attributes

nsm-a10lb attributes

kill

Description NSM will terminate a10lb if no response received

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.118 system password-policy

Configure Password Complexity, Passsword Aging, Password history under password policy

password-policy Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	password-policy
Element URI	/axapi/v3/system/password-policy
Element Attributes	password-policy_attributes
Partition Visibility	shared
Schema	`password-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/password-policy

password-policy attributes

```
POST /axapi/v3/system/password-policy
Payload:
{
    "password-policy": {
        "complexity": "Strict",
        "aging": "Strict",
        "history": "Strict"
    }
}
```

Get Object

GET

/axapi/v3/system/password-policy

password-policy attributes

```
GET /axapi/v3/system/password-policy
Reponse:
{
    "password-policy": {
        "complexity": "Strict",
        "aging": "Strict",
        "history": "Strict",
        "username-check": "disable",
        "repeat-character-check": "disable",
        "forbid-consecutive-character": "0",
        "uuid": "78a2157c-b714-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/password-policy"
    }
}
```

Modify Object

POST

/axapi/v3/system/password-policy

password-policy attributes

Replace Object

PUT

/axapi/v3/system/password-policy

password-policy attributes

Delete Object

DELETE

/axapi/v3/system/password-policy

password-policy attributes

```
DELETE /axapi/v3/system/password-policy
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

password-policy attributes

aging

Description 'Strict': Strict: Max Age-60 Days; 'Medium': Medium: Max Age- 90 Days; 'Simple': Simple: Max Age-120 Days;

Type: string

Supported Values: Strict, Medium, Simple

complexity

Description 'Strict': Strict: Min length:8, Min Lower Case:2, Min Upper Case:2, Min Numbers:2, Min Special Character:1, CHANGE Min 8 Characters; 'Medium': Medium: Min length:6, Min Lower Case:2, Min Upper Case:2, Min Numbers:1, Min Special Character:1, CHANGE Min 6 Characters; 'Default': Default: Min length:9, Min Lower Case:1, Min Upper Case:1, Min Numbers:1, Min Special Character:1, CHANGE Min 1 Characters; 'Simple': Simple: Min length:4, Min Lower Case:1, Min Upper Case:1, Min Numbers:1, Min Special Character:0, CHANGE Min 4 Characters;

Type: string

Supported Values: Strict, Medium, Default, Simple

forbid-consecutive-character

Description '0': Will disable the check; '3': Three consecutive characters on keyboard will not be allowed.; '4': Four consecutive characters on keyboard will not be allowed.; '5': Five consecutive characters on keyboard will not be allowed.;

Type: string

Supported Values: 0, 3, 4, 5

Default: 0

history

Description 'Strict': Strict: Does not allow upto 5 old passwords; 'Medium': Medium: Does not allow upto 4 old passwords; 'Simple': Simple: Does not allow upto 3 old passwords;

Type: string

Supported Values: Strict, Medium, Simple

min-pswd-len

Description Configure custom password length

Type: number

Range: 8-63

repeat-character-check

Description 'enable': Prohibition of consecutive repeated input of the same letter/number, case sensitive; 'disable': Will not check if the password contains repeat characters;

Type: string

Supported Values: enable, disable

Default: disable

username-check

Description 'enable': Prohibition to set password contains user account, case sensitive; 'disable': Will not check if the password contains user account;

Type: string

Supported Values: enable, disable

Default: disable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.119 system path

Layer-2 path

path Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*l2hm-path-name*
Collection Name	*path-list*
Collection URI	/axapi/v3/system/path
Element Name	path
Element URI	/axapi/v3/system/path/{l2hm-path-name}
Element Attributes	path_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/path/{l2hm-path-name}/oper
Schema	`path schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/path

path attributes

```
POST /axapi/v3/system/path/
Payload:
{
    "path": {
        "l2hm-path-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/system/path

path attributes

Get Object

GET

/axapi/v3/system/path/{l2hm-path-name}

path attributes

```
GET /axapi/v3/system/path/a
Reponse:
{
    "path": {
        "l2hm-path-name": "a",
        "uuid": "e3b66ec6-b714-11ef-b78f-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/system/path/a"
    }
}
```

Get List

GET

/axapi/v3/system/path

path-list

Modify Object

POST

/axapi/v3/system/path/{l2hm-path-name}

path attributes

Replace Object

PUT

/axapi/v3/system/path/{l2hm-path-name}

path attributes

```
PUT /axapi/v3/system/path/a
Payload:
{
    "path": {
        "l2hm-path-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/system/path

path-list

Delete Object

DELETE

/axapi/v3/system/path/{l2hm-path-name}

path attributes

```
DELETE /axapi/v3/system/path/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

path-list

path-list is **JSON List** of *path attributes*

path-list : [

{ *path attributes* },

{ *path attributes* },

...

]

path attributes

ifpair-eth-end

Description Ethernet port

Type: number

Format: interface

ifpair-eth-start

Description Ethernet port (Interface number)

Type: number

Format: interface

ifpair-trunk-end

Description Trunk Group

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

ifpair-trunk-start

Description Trunk groups

Type: number

Range: 1-4096

Reference Object: */axapi/v3/interface/trunk*

l2hm-attach

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

l2hm-path-name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: hc-obj

l2hm-setup-test-api

Description Test-API Interface (Ethernet Interface)

Type: number

Format: interface

l2hm-vlan

Description VLAN id

Type: number

Range: 2-4094

Reference Object: */axapi/v3/network/vlan*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.120 system path oper

Operational Status for the object path

path Specification

Parameter	Value
Type	*Collection*
Collection Name	*path-list*
Collection URI	/axapi/v3/system/path/{l2hm-path-name}
Element Name	path
Element URI	/axapi/v3/system/path/{l2hm-path-name}/oper
Element Attributes	path_attributes
Partition Visibility	None
Schema	`path schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/path/{l2hm-path-name}

path attributes

Create List

POST

/axapi/v3/system/path/{l2hm-path-name}

path attributes

Get Object

GET

/axapi/v3/system/path/{l2hm-path-name}/oper

path attributes

Get List

GET

/axapi/v3/system/path/{l2hm-path-name}

path-list

Modify Object

POST

/axapi/v3/system/path/{l2hm-path-name}/oper

path attributes

Replace Object

PUT

/axapi/v3/system/path/{l2hm-path-name}/oper

path attributes

Replace List

PUT

/axapi/v3/system/path/{l2hm-path-name}

path-list

Delete Object

DELETE

/axapi/v3/system/path/{l2hm-path-name}/oper

path attributes

path-list

path-list is **JSON List** of *path attributes*

path-list : [

{ *path attributes* },

{ *path attributes* },

...

]

path attributes

l2hm-path-name

Description Monitor Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: hc-obj

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

path_list

Type: List

oper_path_list

Specification	Value
Type	*list*
Block object keys	

apps

Description

Type: string

endpoint_1

Description

Type: string

endpoint_2

Description

Type: string

health_check

Description

Type: string

l2hm_path

Description

Type: string

path_state

Description

Type: string

2.129.121 system pbslb

Configure Policy Based Response-Rate-Limiting

pbslb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pbslb
Element URI	/axapi/v3/system/pbslb
Element Attributes	pbslb_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/pbslb/stats
Schema	`pbslb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/pbslb

pbslb attributes

Get Object

GET

/axapi/v3/system/pbslb

pbslb attributes

Modify Object

POST

/axapi/v3/system/pbslb

pbslb attributes

Replace Object

PUT

/axapi/v3/system/pbslb

pbslb attributes

Delete Object

DELETE

/axapi/v3/system/pbslb

pbslb attributes

pbslb attributes

sampling-enable

Type: List

sockstress-disable

Description Disable sockstress protection

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'curr_entries': Current PBSLB Entry Count; 'total_v4_entries_created': Total V4 Entry Count Created; 'total_v4_entries_freed': Total V4 Entry Count Freed; 'total_v6_entries_created': Total V6 Entry Count Created; 'total_v6_entries_freed': Total V6 Entry Count Freed; 'total_domain_entries_created': Total Domain Entry Count Created; 'total_domain_entries_freed': Total Domain Entry Count Freed; 'total_direct_action_entries_created': Total Direct Action Entry Count Created; 'total_direct_action_entries_freed': Total Direct Action Entry Count Freed; 'curr_entries_target_global': Current Entry Target Global; 'curr_entries_target_vserver': Current Entry Target Vserver; 'curr_entries_target_vport': Current Entry Target Vport; 'curr_entries_target_LOC': Current Entry Target LOC; 'curr_entries_target_rserver': Current Entry Target Rserver; 'curr_entries_target_rport': Current Entry Target Rport; 'curr_entries_target_service': Current Entry Target Service; 'curr_entries_stats': Current Entry Stats Count;

Type: string

Supported Values: all, curr_entries, total_v4_entries_created, total_v4_entries_freed, total_v6_entries_created, total_v6_entries_freed, total_domain_entries_created, total_domain_entries_freed, total_direct_action_entries_created, total_direct_action_entries_freed, curr_entries_target_global, curr_entries_target_vserver, curr_entries_target_vport, curr_entries_target_LOC, curr_entries_target_rserver, curr_entries_target_rport, curr_entries_target_service, curr_entries_stats, curr_entries_target_global_dns_cache

2.129.122 system pbslb stats

Statistics for the object pbslb

pbslb Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	pbslb
Element URI	/axapi/v3/system/pbslb/stats
Element Attributes	pbslb_attributes
Partition Visibility	None
Schema	`pbslb schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/pbslb/stats

pbslb attributes

Get Object

GET

/axapi/v3/system/pbslb/stats

pbslb attributes

Modify Object

POST

/axapi/v3/system/pbslb/stats

pbslb attributes

Replace Object

PUT

/axapi/v3/system/pbslb/stats

pbslb attributes

Delete Object

DELETE

/axapi/v3/system/pbslb/stats

pbslb attributes

pbslb attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

curr_entries

Description Current PBSLB Entry Count

Type: number

Format: counter

curr_entries_stats

Description Current Entry Stats Count

Type: number

Format: counter

curr_entries_target_LOC

Description Current Entry Target LOC

Type: number

Format: counter

curr_entries_target_global

Description Current Entry Target Global

Type: number

Format: counter

curr_entries_target_global_dns_cache

Description Current Entry Target Global DNS Cache

Type: number

Format: counter

curr_entries_target_rport

Description Current Entry Target Rport

Type: number

Format: counter

curr_entries_target_rserver

Description Current Entry Target Rserver

Type: number

Format: counter

curr_entries_target_service

Description Current Entry Target Service

Type: number

Format: counter

curr_entries_target_vport

Description Current Entry Target Vport

Type: number

Format: counter

curr_entries_target_vserver

Description Current Entry Target Vserver

Type: number

Format: counter

total_direct_action_entries_created

Description Total Direct Action Entry Count Created

Type: number

Format: counter

total_direct_action_entries_freed

Description Total Direct Action Entry Count Freed

Type: number

Format: counter

total_domain_entries_created

Description Total Domain Entry Count Created

Type: number

Format: counter

total_domain_entries_freed

Description Total Domain Entry Count Freed

Type: number

Format: counter

total_v4_entries_created

Description Total V4 Entry Count Created

Type: number

Format: counter

total_v4_entries_freed

Description Total V4 Entry Count Freed

Type: number

Format: counter

total_v6_entries_created

Description Total V6 Entry Count Created

Type: number

Format: counter

total_v6_entries_freed

Description Total V6 Entry Count Freed

Type: number

Format: counter

2.129.123 system per-vlan-limit

Per vlan flooding packet limit

per-vlan-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	per-vlan-limit
Element URI	/axapi/v3/system/per-vlan-limit
Element Attributes	per-vlan-limit_attributes
Partition Visibility	shared
Schema	`per-vlan-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

```
POST /axapi/v3/system/per-vlan-limit
Payload:
{
    "per-vlan-limit": {
        "bcast": 1
    }
}
```

Get Object

GET

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

```
GET /axapi/v3/system/per-vlan-limit
Reponse:
{
    "per-vlan-limit": {
        "bcast": 1,
        "ipmcast": 1000,
        "mcast": 1000,
        "unknown-ucast": 1000,
        "uuid": "5739a044-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/per-vlan-limit"
    }
}
```

Modify Object

POST

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

Replace Object

PUT

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

```
PUT /axapi/v3/system/per-vlan-limit
Payload:
{
    "per-vlan-limit": {
        "bcast": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/system/per-vlan-limit

per-vlan-limit attributes

```
DELETE /axapi/v3/system/per-vlan-limit
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

per-vlan-limit attributes

bcast

Description broadcast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

ipmcast

Description IP multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

mcast

Description multicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

unknown-ucast

Description unknown unicast packets (per second limit)

Type: number

Range: 1-65535

Default: 1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.124 system platformtype oper

Operational Status for the object platformtype

platformtype Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	platformtype
Element URI	/axapi/v3/system/platformtype/oper
Element Attributes	platformtype_attributes
Partition Visibility	None
Schema	`platformtype schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/platformtype/oper

platformtype attributes

Get Object

GET

/axapi/v3/system/platformtype/oper

platformtype attributes

Modify Object

POST

/axapi/v3/system/platformtype/oper

platformtype attributes

Replace Object

PUT

/axapi/v3/system/platformtype/oper

platformtype attributes

Delete Object

DELETE

/axapi/v3/system/platformtype/oper

platformtype attributes

platformtype attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

platform-axv

Description

Type: number

platform-dpdk

Description

Type: number

platform-id

Description

Type: number

platform-info

Description

Type: string

platform-lxc

Description

Type: number

platform-type

Description

Type: string

2.129.125 system port-count

Port count related commands

port-count Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	port-count
Element URI	/axapi/v3/system/port-count
Element Attributes	port-count_attributes
Partition Visibility	shared
Schema	`port-count schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/port-count

port-count attributes

```
POST /axapi/v3/system/port-count
Payload:
{
    "port-count": {
        "port-count-kernel": 1024
    }
}
```

Get Object

GET

/axapi/v3/system/port-count

port-count attributes

```
GET /axapi/v3/system/port-count
Reponse:
{
    "port-count": {
        "port-count-kernel": 1024,
        "port-count-hm": 1024,
        "port-count-alg": 6000,
        "uuid": "573a5462-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/port-count"
    }
}
```

Modify Object

POST

/axapi/v3/system/port-count

port-count attributes

Replace Object

PUT

/axapi/v3/system/port-count

port-count attributes

```
PUT /axapi/v3/system/port-count
Payload:
{
    "port-count": {
        "port-count-kernel": 1025
    }
}
```

Delete Object

DELETE

/axapi/v3/system/port-count

port-count attributes

```
DELETE /axapi/v3/system/port-count
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Settings will take effect on reboot. Please save the configuration by␣
↪issuing the \"write memory\" command followed by the \"reboot\" command\n"
    }
}
```

port-count attributes

port-count-alg

Description Total Ports to be allocated for alg types.

Type: number

Range: 1000-6000

Default: 6000

port-count-hm

Description Total Ports to be allocated for hm.

Type: number

Range: 1024-4096

Default: 1024

port-count-kernel

Description Total Ports to be allocated for kernel.

Type: number

Range: 1024-24000

Default: 18000

port-count-logging

Description Total Ports to be allocated for logging.

Type: number

Range: 1024-4096

Default: 4096

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.126 system port-info oper

Operational Status for the object port-info

port-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	port-info
Element URI	/axapi/v3/system/port-info/oper
Element Attributes	port-info_attributes
Partition Visibility	None
Schema	`port-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/port-info/oper

port-info attributes

Get Object

GET

/axapi/v3/system/port-info/oper

port-info attributes

Modify Object

POST

/axapi/v3/system/port-info/oper

port-info attributes

Replace Object

PUT

/axapi/v3/system/port-info/oper

port-info attributes

Delete Object

DELETE

/axapi/v3/system/port-info/oper

port-info attributes

port-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

system-port-info

Type: List

oper_system-port-info

Specification	Value
Type	*list*
Block object keys	

Dev

Description

Type: string

Info

Description

Type: string

Pci-Addr

Description

Type: string

Port-Num

Description

Type: string

2.129.127 system port-list oper

Operational Status for the object port-list

port-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	port-list
Element URI	/axapi/v3/system/port-list/oper
Element Attributes	port-list_attributes
Partition Visibility	None
Schema	`port-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/port-list/oper

port-list attributes

Get Object

GET

/axapi/v3/system/port-list/oper

port-list attributes

Modify Object

POST

/axapi/v3/system/port-list/oper

port-list attributes

Replace Object

PUT

/axapi/v3/system/port-list/oper

port-list attributes

Delete Object

DELETE

/axapi/v3/system/port-list/oper

port-list attributes

port-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

system-port-list

Type: List

oper_system-port-list

Specification	Value
Type	*list*
Block object keys	

Mac-Addr

Description

Type: string

Node

Description

Type: string

PCI-Addr

Description

Type: string

Port-IDX

Description

Type: string

Port-Num

Description

Type: string

Speed

Description

Type: string

status

Description

Type: string

2.129.128 system ports

System level port configurations

ports Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ports
Element URI	/axapi/v3/system/ports
Element Attributes	ports_attributes
Partition Visibility	shared
Schema	`ports schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ports

ports attributes

```
POST /axapi/v3/system/ports
Payload:
{
    "ports": {
        "link-detection-interval": 50
    }
}
```

Get Object

GET

/axapi/v3/system/ports

ports attributes

```
GET /axapi/v3/system/ports
Reponse:
{
    "ports": {
        "link-detection-interval": 50,
        "uuid": "573997b6-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ports"
    }
}
```

Modify Object

POST

/axapi/v3/system/ports

ports attributes

Replace Object

PUT

/axapi/v3/system/ports

ports attributes

```
PUT /axapi/v3/system/ports
Payload:
{
    "ports": {
        "link-detection-interval": 50
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ports

ports attributes

```
DELETE /axapi/v3/system/ports
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ports attributes

link-detection-interval

Description Link detection interval in msecs

Type: number

Range: 50-60000

Default: 1000

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.129 system power-on-self-test oper

Operational Status for the object power-on-self-test

power-on-self-test Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	power-on-self-test
Element URI	/axapi/v3/system/power-on-self-test/oper
Element Attributes	power-on-self-test_attributes
Partition Visibility	None
Schema	`power-on-self-test schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/power-on-self-test/oper

power-on-self-test attributes

Get Object

GET

/axapi/v3/system/power-on-self-test/oper

power-on-self-test attributes

Modify Object

POST

/axapi/v3/system/power-on-self-test/oper

power-on-self-test attributes

Replace Object

PUT

/axapi/v3/system/power-on-self-test/oper

power-on-self-test attributes

Delete Object

DELETE

/axapi/v3/system/power-on-self-test/oper

power-on-self-test attributes

power-on-self-test attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

power-on-log

Type: List

oper_power-on-log

Specification	Value
Type	*list*
Block object keys	

dlog-data

Description

Type: string

dlog-data-search

Description

Type: string

2.129.130 system probe-network-devices

Scan platform for network devices

probe-network-devices Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	probe-network-devices
Element URI	/axapi/v3/system/probe-network-devices
Element Attributes	probe-network-devices_attributes
Partition Visibility	None
Schema	`probe-network-devices schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/probe-network-devices

probe-network-devices attributes

Get Object

GET

/axapi/v3/system/probe-network-devices

probe-network-devices attributes

Modify Object

POST

/axapi/v3/system/probe-network-devices

probe-network-devices attributes

Delete Object

DELETE

/axapi/v3/system/probe-network-devices

probe-network-devices attributes

probe-network-devices attributes

2.129.131 system psu-info oper

Operational Status for the object psu-info

psu-info Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	psu-info
Element URI	/axapi/v3/system/psu-info/oper
Element Attributes	psu-info_attributes
Partition Visibility	None
Schema	`psu-info schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/psu-info/oper

psu-info attributes

Get Object

GET

/axapi/v3/system/psu-info/oper

psu-info attributes

Modify Object

POST

/axapi/v3/system/psu-info/oper

psu-info attributes

Replace Object

PUT

/axapi/v3/system/psu-info/oper

psu-info attributes

Delete Object

DELETE

/axapi/v3/system/psu-info/oper

psu-info attributes

psu-info attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

psu-info

Description: psu-info is a **JSON Block**. Please see below for *oper_psu-info*

Type: Object

oper_psu-info

Specification	Value
Type	*object*

Error

Description

Type: string

Left-serial-number

Description

Type: string

Lower-Right-serial-number

Description

Type: string

Lower-left-serial-number

Description

Type: string

Right-serial-number

Description

Type: string

Upper-Right-serial-number

Description

Type: string

Upper-left-serial-number

Description

Type: string

2.129.132 system q-in-q

802.1QinQ system settings

q-in-q Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	q-in-q
Element URI	/axapi/v3/system/q-in-q
Element Attributes	q-in-q_attributes
Partition Visibility	shared
Schema	`q-in-q schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/q-in-q

q-in-q attributes

```
POST /axapi/v3/system/q-in-q
Payload:
{
    "q-in-q": {
        "enable-all-ports": 1
    }
}
```

Get Object

GET

/axapi/v3/system/q-in-q

q-in-q attributes

Modify Object

POST

/axapi/v3/system/q-in-q

q-in-q attributes

Replace Object

PUT

/axapi/v3/system/q-in-q

q-in-q attributes

Delete Object

DELETE

/axapi/v3/system/q-in-q

q-in-q attributes

q-in-q attributes

enable-all-ports

Description Enable 802.1QinQ on all physical ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

inner-tpid

Description TPID for inner VLAN (Inner TPID, 16 bit hex value, default is 8100)

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

outer-tpid

Description TPID for outer VLAN (Outer TPID, 16 bit hex value, default is 8100)

Type: string

Format: time-hh:mm

Maximum Length: 4 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.133 system queuing-buffer

Enable/Disable micro-burst traffic support

queuing-buffer Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	queuing-buffer
Element URI	/axapi/v3/system/queuing-buffer
Element Attributes	queuing-buffer_attributes
Partition Visibility	shared
Schema	`queuing-buffer schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

```
POST /axapi/v3/system/queuing-buffer
Payload:
{
    "queuing-buffer": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

Modify Object

POST

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

Replace Object

PUT

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

Delete Object

DELETE

/axapi/v3/system/queuing-buffer

queuing-buffer attributes

queuing-buffer attributes

enable

Description Enable/Disable micro-burst traffic support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.134 system radius

Configure the Interaction with External RADIUS Servers

radius Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	radius
Element URI	/axapi/v3/system/radius
Element Attributes	radius_attributes
Partition Visibility	shared
Schema	`radius schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/radius

radius_attributes

radius attributes

server

Description: server is a **JSON Block**. Please see below for *server*

Type: Object

Reference Object: */axapi/v3/system/radius/server*

server

Specification	Value
Type	*object*

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated(CGN only);

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI; 'custom1': Clear using CUSTOM1 attribute configured; 'custom2': Clear using CUSTOM2 attribute configured; 'custom3': Clear using CUSTOM3 attribute configured; 'custom4': Clear using CUSTOM4 attribute configured; 'custom5': Clear using CUSTOM5 attribute configured; 'custom6': Clear using CUSTOM6 attribute configured;

Type: string

Supported Values: msisdn, imei, imsi, custom1, custom2, custom3, custom4, custom5, custom6

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

derived-attribute

Description: derived-attribute is a **JSON Block**. Please see below for *server_derived-attribute*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute*

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (default 1813) (Port number)

Type: number

Range: 1024-65535

Default: 1813

remote

Description: remote is a **JSON Block**. Please see below for *server_remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

server_remote

Specification	Value
Type	*object*

ip-list

Type: List

server_remote_ip-list

Specification	Value
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

server_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Ignored; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-created': RADIUS SMP Created; 'smp-deleted': RADIUS SMP Deleted; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-in-rml': RADIUS SMP in RML; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop; 'radius-packets-redirected': RADIUS packets redirected (SO); 'radius-packets-redirect-fail-dropped': RADIUS packets dropped due to redirect failure (SO); 'radius-packets-process-local': RADIUS packets processed locally without redirection (SO); 'radius-packets-dropped-not-lo': RADIUS packets dropped dest not loopback (SO); 'radius-inter-card-dup-redir': RADIUS packet dropped as redirected by other blade (SO);

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

server_attribute

Specification	Value
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

server_derived-attribute

Specification	Value
Type	*object*

usergroup

Description: usergroup is a **JSON Block**. Please see below for *server_derived-attribute_usergroup*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute/usergroup*

userid

Description: userid is a **JSON Block**. Please see below for *server_derived-attribute_userid*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute/userid*

server_derived-attribute_userid

Specification	Value
Type	*object*

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

server_derived-attribute_usergroup

Specification	Value
Type	*object*

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.135 system radius server

Configure system as a RADIUS server

server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/system/radius/server
Element Attributes	server_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/radius/server/stats
Operational Data URI	/axapi/v3/system/radius/server/oper
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/radius/server

server attributes

```
POST /axapi/v3/system/radius/server
Payload:
{
    "server": {
        "listen-port": 1024,
        "derived-attribute": {
            "usergroup": {
                "regex": "a",
                "attribute": "imei"
            }
```

(continues on next page)

(continued from previous page)

```
        }
    }
}
```

Get Object

GET

/axapi/v3/system/radius/server

server attributes

```
GET /axapi/v3/system/radius/server
Reponse:
{
    "server": {
        "listen-port": 1024,
        "secret": 0,
        "disable-reply": 0,
        "accounting-start": "append-entry",
        "accounting-stop": "delete-entry",
        "accounting-interim-update": "ignore",
        "accounting-on": "ignore",
        "uuid": "5739d294-b6f6-11ef-b25f-ae71681635d0",
        "derived-attribute": {
            "usergroup": {
                "attribute": "imei",
                "regex": "a",
                "uuid": "5b67c018-b716-11ef-b78f-ae71681635d0",
                "a10-url": "/axapi/v3/system/radius/server/derived-attribute/usergroup"
            },
            "a10-url": "/axapi/v3/system/radius/server/derived-attribute"
        },
        "a10-url": "/axapi/v3/system/radius/server"
    }
}
```

Modify Object

POST

/axapi/v3/system/radius/server

server attributes

Replace Object

PUT

/axapi/v3/system/radius/server

server attributes

```
PUT /axapi/v3/system/radius/server
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "server": {
        "listen-port": 1026,
        "derived-attribute": {
            "userid": {
                "regex": "a",
                "attribute": "imei"
            }
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/system/radius/server

server attributes

```
DELETE /axapi/v3/system/radius/server
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

server attributes

accounting-interim-update

Description 'ignore': Ignore (default); 'append-entry': Append the AVPs to existing entry; 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: ignore

accounting-on

Description 'ignore': Ignore (default); 'delete-entries-using-attribute': Delete entries matching attribute in RADIUS Table;

Type: string

Supported Values: ignore, delete-entries-using-attribute

Default: ignore

accounting-start

Description 'ignore': Ignore; 'append-entry': Append the AVPs to existing entry (default); 'replace-entry': Replace the AVPs of existing entry;

Type: string

Supported Values: ignore, append-entry, replace-entry

Default: append-entry

accounting-stop

Description 'ignore': Ignore; 'delete-entry': Delete the entry (default); 'delete-entry-and-sessions': Delete the entry and data sessions associated(CGN only);

Type: string

Supported Values: ignore, delete-entry, delete-entry-and-sessions

Default: delete-entry

attribute

Type: List

attribute-name

Description 'msisdn': Clear using MSISDN; 'imei': Clear using IMEI; 'imsi': Clear using IMSI; 'custom1': Clear using CUSTOM1 attribute configured; 'custom2': Clear using CUSTOM2 attribute configured; 'custom3': Clear using CUSTOM3 attribute configured; 'custom4': Clear using CUSTOM4 attribute configured; 'custom5': Clear using CUSTOM5 attribute configured; 'custom6': Clear using CUSTOM6 attribute configured;

Type: string

Supported Values: msisdn, imei, imsi, custom1, custom2, custom3, custom4, custom5, custom6

Mutual Exclusion: attribute-name and custom-attribute-name are mutually exclusive

custom-attribute-name

Description Clear using customized attribute

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: custom-attribute-name and attribute-name are mutually exclusive

derived-attribute

Description: derived-attribute is a **JSON Block**. Please see below for *derived-attribute*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute*

disable-reply

Description Toggle option for RADIUS reply packet(Default: Accounting response will be sent)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

listen-port

Description Configure the listen port of RADIUS server (default 1813) (Port number)

Type: number

Range: 1024-65535

Default: 1813

remote

Description: remote is a **JSON Block**. Please see below for *remote*

Type: Object

sampling-enable

Type: List

secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vrid

Description Join a VRRP-A failover group

Type: number

Range: 1-31

remote

Specification	Value
Type	*object*

ip-list

Type: List

remote_ip-list

Specification	Value
Type	*list*
Block object keys	

ip-list-encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

ip-list-name

Description IP-list name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

ip-list-secret

Description Configure shared secret

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ip-list-secret-string

Description The RADIUS secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'msisdn-received': MSISDN Received; 'imei-received': IMEI Received; 'imsi-received': IMSI Received; 'custom-received': Custom attribute Received; 'radius-request-received': RADIUS Request Received; 'radius-request-dropped': RADIUS Request Dropped (Malformed Packet); 'request-bad-secret-dropped': RADIUS Request Bad Secret Dropped; 'request-no-key-vap-dropped': RADIUS Request No Key Attribute Dropped; 'request-malformed-dropped': RADIUS Request Malformed Dropped; 'request-ignored': RADIUS Request Ignored; 'radius-table-full': RADIUS Request Dropped (Table Full); 'secret-not-configured-dropped': RADIUS Secret Not Configured Dropped; 'ha-standby-dropped': HA Standby Dropped; 'ipv6-prefix-length-mismatch': Framed IPV6 Prefix Length Mismatch; 'invalid-key': Radius Request has Invalid Key Field; 'smp-created': RADIUS SMP Created; 'smp-deleted': RADIUS SMP Deleted; 'smp-mem-allocated': RADIUS SMP Memory Allocated; 'smp-mem-alloc-failed': RADIUS SMP Memory Allocation Failed; 'smp-mem-freed': RADIUS SMP Memory Freed; 'smp-in-rml': RADIUS SMP in RML; 'mem-allocated': RADIUS Memory Allocated; 'mem-alloc-failed': RADIUS Memory Allocation Failed; 'mem-freed': RADIUS Memory Freed; 'ha-sync-create-sent': HA Record Sync Create Sent; 'ha-sync-delete-sent': HA Record Sync Delete Sent; 'ha-sync-create-recv': HA Record Sync Create Received; 'ha-sync-delete-recv': HA Record Sync Delete Received; 'acct-on-filters-full': RADIUS Acct On Request Ignored(Filters Full); 'acct-on-dup-request': Duplicate RADIUS Acct On Request; 'ip-mismatch-delete': Radius Entry IP Mismatch Delete; 'ip-add-race-drop': Radius Entry IP Add Race Drop; 'ha-sync-no-key-vap-dropped': HA Record Sync No key dropped; 'inter-card-msg-fail-drop': Inter-Card Message Fail Drop; 'radius-packets-redirected': RADIUS packets redirected (SO); 'radius-packets-redirect-fail-dropped': RADIUS packets dropped due to redirect failure (SO); 'radius-packets-process-local': RADIUS packets processed locally without redirection (SO); 'radius-packets-dropped-not-lo': RADIUS packets dropped dest not loopback (SO); 'radius-inter-card-dup-redir': RADIUS packet dropped as redirected by other blade (SO);

Type: string

Supported Values: all, msisdn-received, imei-received, imsi-received, custom-received, radius-request-received, radius-request-dropped, request-bad-secret-dropped, request-no-key-vap-dropped, request-malformed-dropped, request-ignored, radius-table-full, secret-not-configured-dropped, ha-standby-dropped, ipv6-prefix-length-mismatch, invalid-key, smp-created, smp-deleted, smp-mem-allocated, smp-mem-alloc-failed, smp-mem-freed, smp-in-rml, mem-allocated, mem-alloc-failed, mem-freed, ha-sync-create-sent, ha-sync-delete-sent, ha-sync-create-recv, ha-sync-delete-recv, acct-on-filters-full, acct-on-dup-request, ip-mismatch-delete, ip-add-race-drop, ha-sync-no-key-vap-dropped, inter-card-msg-fail-drop, radius-packets-redirected, radius-packets-redirect-fail-dropped, radius-packets-process-local, radius-packets-dropped-not-lo, radius-inter-card-dup-redir

attribute

Specification	Value
Type	*list*
Block object keys	

attribute-value

Description 'inside-ipv6-prefix': Framed IPv6 Prefix; 'inside-ip': Inside IP address; 'inside-ipv6': Inside IPv6 address; 'imei': International Mobile Equipment Identity (IMEI); 'imsi': International Mobile Subscriber Identity (IMSI); 'msisdn': Mobile Subscriber Integrated Services Digital Network-Number (MSISDN); 'custom1': Customized attribute 1; 'custom2': Customized attribute 2; 'custom3': Customized attribute 3; 'custom4': Customized attribute 4; 'custom5': Customized attribute 5; 'custom6': Customized attribute 6;

Type: string

Supported Values: inside-ipv6-prefix, inside-ip, inside-ipv6, imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

custom-number

Description RADIUS attribute number

Type: number

Range: 1-255

custom-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

name

Description Customized attribute name

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-length

Description '32': Prefix length 32; '48': Prefix length 48; '64': Prefix length 64; '80': Prefix length 80; '96': Prefix length 96; '112': Prefix length 112;

Type: string

Supported Values: 32, 48, 64, 80, 96, 112

prefix-number

Description RADIUS attribute number

Type: number

Range: 1-255

prefix-vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

value

Description 'hexadecimal': Type of attribute value is hexadecimal;

Type: string

Supported Values: hexadecimal

vendor

Description RADIUS vendor attribute information (RADIUS vendor ID)

Type: number

Range: 1-65535

derived-attribute

Specification	Value
Type	*object*

usergroup

Description: usergroup is a **JSON Block**. Please see below for *derived-attribute_usergroup*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute/usergroup*

userid

Description: userid is a **JSON Block**. Please see below for *derived-attribute_userid*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute/userid*

derived-attribute_userid

Specification	Value
Type	*object*

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

derived-attribute_usergroup

Specification	Value
Type	*object*

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.136 system radius server derived-attribute

Configure the derived attributes extended by the RADIUS attributes.

derived-attribute Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	derived-attribute
Element URI	/axapi/v3/system/radius/server/derived-attribute
Element Attributes	derived-attribute_attributes
Partition Visibility	shared
Schema	`derived-attribute schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/radius/server/derived-attribute

derived-attribute_attributes

derived-attribute attributes

usergroup

Description: usergroup is a **JSON Block**. Please see below for *usergroup*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute/usergroup*

userid

Description: userid is a **JSON Block**. Please see below for *userid*

Type: Object

Reference Object: */axapi/v3/system/radius/server/derived-attribute/userid*

userid

Specification	Value
Type	*object*

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

usergroup

Specification	Value
Type	*object*

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.137 system radius server derived-attribute usergroup

Configure the derived attribute of user group.

usergroup Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	usergroup
Element URI	/axapi/v3/system/radius/server/derived-attribute/usergroup
Element Attributes	usergroup_attributes
Partition Visibility	shared
Schema	`usergroup schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/radius/server/derived-attribute/usergroup

usergroup attributes

```
POST /axapi/v3/system/radius/server/derived-attribute/usergroup
Payload:
{
    "usergroup": {
        "regex": "a",
        "attribute": "imei"
    }
}
```

Get Object

GET

/axapi/v3/system/radius/server/derived-attribute/usergroup

usergroup attributes

```
GET /axapi/v3/system/radius/server/derived-attribute/usergroup
Reponse:
{
    "usergroup": {
        "attribute": "imei",
        "regex": "a",
        "uuid": "29deb00a-b717-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/radius/server/derived-attribute/usergroup"
    }
}
```

Modify Object

POST

/axapi/v3/system/radius/server/derived-attribute/usergroup

usergroup attributes

Replace Object

PUT

/axapi/v3/system/radius/server/derived-attribute/usergroup

usergroup attributes

```
PUT /axapi/v3/system/radius/server/derived-attribute/usergroup
Payload:
{
    "usergroup": {
        "regex": "a",
        "attribute": "imei"
    }
}
```

Delete Object

DELETE

/axapi/v3/system/radius/server/derived-attribute/usergroup

usergroup attributes

```
DELETE /axapi/v3/system/radius/server/derived-attribute/usergroup
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

usergroup attributes

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.138 system radius server derived-attribute userid

Configure the derived attribute of user ID.

userid Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	userid
Element URI	/axapi/v3/system/radius/server/derived-attribute/userid
Element Attributes	userid_attributes
Partition Visibility	shared
Schema	`userid schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/radius/server/derived-attribute/userid

userid attributes

```
POST /axapi/v3/system/radius/server/derived-attribute/userid
Payload:
{
    "userid": {
        "regex": "a",
        "attribute": "imei"
    }
}
```

Get Object

GET

/axapi/v3/system/radius/server/derived-attribute/userid

userid attributes

```
GET /axapi/v3/system/radius/server/derived-attribute/userid
Reponse:
{
    "userid": {
        "attribute": "imei",
        "regex": "a",
        "uuid": "4d51926e-b717-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/radius/server/derived-attribute/userid"
    }
}
```

Modify Object

POST

/axapi/v3/system/radius/server/derived-attribute/userid

userid attributes

Replace Object

PUT

/axapi/v3/system/radius/server/derived-attribute/userid

userid attributes

```
PUT /axapi/v3/system/radius/server/derived-attribute/userid
Payload:
{
    "userid": {
        "regex": "a",
        "attribute": "imei"
    }
}
```

Delete Object

DELETE

/axapi/v3/system/radius/server/derived-attribute/userid

userid attributes

```
DELETE /axapi/v3/system/radius/server/derived-attribute/userid
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

userid attributes

attribute

Description 'imei': Specify the IMEI attribute.; 'imsi': Specify the IMSI attribute.; 'msisdn': Specify the MSISDN attribute.; 'custom1': Specify the custom1 attribute.; 'custom2': Specify the custom2 attribute.; 'custom3': Specify the custom3 attribute.; 'custom4': Specify the custom4 attribute.; 'custom5': Specify the custom5 attribute.; 'custom6': Specify the custom6 attribute.;

Type: string

Supported Values: imei, imsi, msisdn, custom1, custom2, custom3, custom4, custom5, custom6

regex

Description Specify the regular expression to parse the value from a RADIUS attribute.

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.139 system radius server oper

Operational Status for the object server

server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/system/radius/server/oper
Element Attributes	server_attributes
Partition Visibility	None
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/radius/server/oper

server attributes

Get Object

GET

/axapi/v3/system/radius/server/oper

server attributes

Modify Object

POST

/axapi/v3/system/radius/server/oper

server attributes

Replace Object

PUT

/axapi/v3/system/radius/server/oper

server attributes

Delete Object

DELETE

/axapi/v3/system/radius/server/oper

server attributes

server attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

case-insensitive

Description

Type: boolean

Supported Values: true, false, 1, 0

custom-attr-name

Description

Type: string

custom-attr-value

Description

Type: string

derived-attribute-name

Description

Type: string

derived-attribute-value

Description

Type: string

radius-table-entries-list

Type: List

starts-with

Description

Type: boolean

Supported Values: true, false, 1, 0

total-entries

Description

Type: number

oper_radius-table-entries-list

Specification	Value
Type	*list*
Block object keys	

custom1-attr-value

Description

Type: string

custom2-attr-value

Description

Type: string

custom3-attr-value

Description

Type: string

custom4-attr-value

Description

Type: string

custom5-attr-value

Description

Type: string

custom6-attr-value

Description

Type: string

derived-attr-usergroup-value

Description

Type: string

derived-attr-userid-value

Description

Type: string

imei

Description

Type: string

imsi

Description

Type: string

inside-ip

Description

Type: string

Format: ipv4-address

inside-ipv6

Description

Type: string

Format: ipv6-address

is-obsolete

Description

Type: boolean

Supported Values: true, false, 1, 0

msisdn

Description

Type: string

prefix-len

Description

Type: number

2.129.140 system radius server stats

Statistics for the object server

server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	server
Element URI	/axapi/v3/system/radius/server/stats
Element Attributes	server_attributes
Partition Visibility	None
Schema	`server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/radius/server/stats

server attributes

Get Object

GET

/axapi/v3/system/radius/server/stats

server attributes

Modify Object

POST

/axapi/v3/system/radius/server/stats

server attributes

Replace Object

PUT

/axapi/v3/system/radius/server/stats

server attributes

Delete Object

DELETE

/axapi/v3/system/radius/server/stats

server attributes

server attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

custom-received

Description Custom attribute Received

Type: number

Format: counter

ha-standby-dropped

Description HA Standby Dropped

Type: number

Format: counter

imei-received

Description IMEI Received

Type: number

Format: counter

imsi-received

Description IMSI Received

Type: number

Format: counter

invalid-key

Description Radius Request has Invalid Key Field

Type: number

Format: counter

ipv6-prefix-length-mismatch

Description Framed IPV6 Prefix Length Mismatch

Type: number

Format: counter

msisdn-received

Description MSISDN Received

Type: number

Format: counter

radius-request-dropped

Description RADIUS Request Dropped (Malformed Packet)

Type: number

Format: counter

radius-request-received

Description RADIUS Request Received

Type: number

Format: counter

radius-table-full

Description RADIUS Request Dropped (Table Full)

Type: number

Format: counter

request-bad-secret-dropped

Description RADIUS Request Bad Secret Dropped

Type: number

Format: counter

request-ignored

Description RADIUS Request Ignored

Type: number

Format: counter

request-malformed-dropped

Description RADIUS Request Malformed Dropped

Type: number

Format: counter

request-no-key-vap-dropped

Description RADIUS Request No Key Attribute Dropped

Type: number

Format: counter

secret-not-configured-dropped

Description RADIUS Secret Not Configured Dropped

Type: number

Format: counter

2.129.141 system reboot oper

Operational Status for the object reboot

reboot Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	reboot
Element URI	/axapi/v3/system/reboot/oper
Element Attributes	reboot_attributes
Partition Visibility	None
Schema	`reboot schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/reboot/oper

reboot attributes

Get Object

GET

/axapi/v3/system/reboot/oper

reboot attributes

Modify Object

POST

/axapi/v3/system/reboot/oper

reboot attributes

Replace Object

PUT

/axapi/v3/system/reboot/oper

reboot attributes

Delete Object

DELETE

/axapi/v3/system/reboot/oper

reboot attributes

reboot attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

boot-now

Description

Type: number

boot-scheduled

Description

Type: number

epoch-time

Description

Type: string

hostname

Description

Type: string

hour

Description

Type: string

min

Description

Type: string

reason

Description

Type: string

Format: string-rlx

uname

Description

Type: string

2.129.142 system resource-accounting

Create resource accounting template

resource-accounting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-accounting
Element URI	/axapi/v3/system/resource-accounting
Element Attributes	resource-accounting_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/resource-accounting/oper
Schema	`resource-accounting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting

resource-accounting attributes

```
POST /axapi/v3/system/resource-accounting
Payload:
{
    "resource-accounting": {
        "template-list": [
            {
                "name": "a"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/resource-accounting

resource-accounting attributes

```
GET /axapi/v3/system/resource-accounting
Reponse:
{
    "resource-accounting": {
        "uuid": "573993ce-b6f6-11ef-b25f-ae71681635d0",
        "template-list": [
            {
                "name": "a",
                "uuid": "6eb04838-b717-11ef-b78f-ae71681635d0",
                "a10-url": "/axapi/v3/system/resource-accounting/template/a"
            }
        ],
        "a10-url": "/axapi/v3/system/resource-accounting"
    }
}
```

Modify Object

POST

/axapi/v3/system/resource-accounting

resource-accounting attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting

resource-accounting attributes

```
PUT /axapi/v3/system/resource-accounting
Payload:
{
    "resource-accounting": {
        "template-list": [
            {
                "name": "a",
                "app-resources": {
                    "gslb-device-cfg": {
                        "gslb-device-max": 2
                    }
                }
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/resource-accounting

resource-accounting attributes

```
DELETE /axapi/v3/system/resource-accounting
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

resource-accounting attributes

template-list

Type: List

Reference Object: */axapi/v3/system/resource-accounting/template/{name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list

Specification	Value
Type	*list*
Block object keys	

app-resources

Description: app-resources is a **JSON Block**. Please see below for *template-list_app-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/app-resources*

name

Description Enter template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

network-resources

Description: network-resources is a **JSON Block**. Please see below for *template-list_network-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/network-resources*

system-resources

Description: system-resources is a **JSON Block**. Please see below for *template-list_system-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/system-resources*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_app-resources

Specification	Value
Type	*object*

cache-template-cfg

Description: cache-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_cache-template-cfg*

Type: Object

client-ssl-template-cfg

Description: client-ssl-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_client-ssl-template-cfg*

Type: Object

conn-reuse-template-cfg

Description: conn-reuse-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_conn-reuse-template-cfg*

Type: Object

fast-tcp-template-cfg

Description: fast-tcp-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_fast-tcp-template-cfg*

Type: Object

fast-udp-template-cfg

Description: fast-udp-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_fast-udp-template-cfg*

Type: Object

fix-template-cfg

Description: fix-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_fix-template-cfg*

Type: Object

gslb-device-cfg

Description: gslb-device-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-device-cfg*

Type: Object

gslb-geo-location-cfg

Description: gslb-geo-location-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-geo-location-cfg*

Type: Object

gslb-ip-list-cfg

Description: gslb-ip-list-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-ip-list-cfg*

Type: Object

gslb-policy-cfg

Description: gslb-policy-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-policy-cfg*

Type: Object

gslb-service-cfg

Description: gslb-service-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-service-cfg*

Type: Object

gslb-service-ip-cfg

Description: gslb-service-ip-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-service-ip-cfg*

Type: Object

gslb-service-port-cfg

Description: gslb-service-port-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-service-port-cfg*

Type: Object

gslb-site-cfg

Description: gslb-site-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-site-cfg*

Type: Object

gslb-svc-group-cfg

Description: gslb-svc-group-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-svc-group-cfg*

Type: Object

gslb-template-cfg

Description: gslb-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-template-cfg*

Type: Object

gslb-zone-cfg

Description: gslb-zone-cfg is a **JSON Block**. Please see below for *template-list_app-resources_gslb-zone-cfg*

Type: Object

health-monitor-cfg

Description: health-monitor-cfg is a **JSON Block**. Please see below for *template-list_app-resources_health-monitor-cfg*

Type: Object

http-template-cfg

Description: http-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_http-template-cfg*

Type: Object

link-cost-template-cfg

Description: link-cost-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_link-cost-template-cfg*

Type: Object

pbslb-entry-cfg

Description: pbslb-entry-cfg is a **JSON Block**. Please see below for *template-list_app-resources_pbslb-entry-cfg*

Type: Object

persist-cookie-template-cfg

Description: persist-cookie-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_persist-cookie-template-cfg*

Type: Object

persist-srcip-template-cfg

Description: persist-srcip-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_persist-srcip-template-cfg*

Type: Object

proxy-template-cfg

Description: proxy-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_proxy-template-cfg*

Type: Object

real-port-cfg

Description: real-port-cfg is a **JSON Block**. Please see below for *template-list_app-resources_real-port-cfg*

Type: Object

real-server-cfg

Description: real-server-cfg is a **JSON Block**. Please see below for *template-list_app-resources_real-server-cfg*

Type: Object

server-ssl-template-cfg

Description: server-ssl-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_server-ssl-template-cfg*

Type: Object

service-group-cfg

Description: service-group-cfg is a **JSON Block**. Please see below for *template-list_app-resources_service-group-cfg*

Type: Object

stream-template-cfg

Description: stream-template-cfg is a **JSON Block**. Please see below for *template-list_app-resources_stream-template-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-cfg

Description: virtual-port-cfg is a **JSON Block**. Please see below for *template-list_app-resources_virtual-port-cfg*

Type: Object

virtual-server-cfg

Description: virtual-server-cfg is a **JSON Block**. Please see below for *template-list_app-resources_virtual-server-cfg*

Type: Object

template-list_app-resources_http-template-cfg

Specification	Value
Type	*object*

http-template-max

Description Enter the number of http-template allowed (http-template count (default is max-value))

Type: number

http-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_server-ssl-template-cfg

Specification	Value
Type	*object*

server-ssl-template-max

Description Enter the number of server-ssl-template allowed (server-ssl-template count (default is max-value))

Type: number

server-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-template-cfg

Specification	Value
Type	*object*

gslb-template-max

Description Enter the number of gslb-template allowed (gslb-template count (default is max-value))

Type: number

gslb-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_virtual-server-cfg

Specification	Value
Type	*object*

virtual-server-max

Description Enter the number of virtual-servers allowed (virtual-server count (default is max-value))

Type: number

virtual-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-service-port-cfg

Specification	Value
Type	*object*

gslb-service-port-max

Description Enter the number of gslb-service-port allowed (gslb-service-port count (default is max-value))

Type: number

gslb-service-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-site-cfg

Specification	Value
Type	*object*

gslb-site-max

Description Enter the number of gslb-site allowed (gslb-site count (default is max-value))

Type: number

gslb-site-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_proxy-template-cfg

Specification	Value
Type	*object*

proxy-template-max

Description Enter the number of proxy-template allowed (server-ssl-template count (default is max-value))

Type: number

proxy-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_real-server-cfg

Specification	Value
Type	*object*

real-server-max

Description Enter the number of real-servers allowed (real-server count (default is max-value))

Type: number

real-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_link-cost-template-cfg

Specification	Value
Type	*object*

link-cost-template-max

Description Enter the number of link-cost-template allowed (link-cost-template count (default is max-value))

Type: number

link-cost-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_client-ssl-template-cfg

Specification	Value
Type	*object*

client-ssl-template-max

Description Enter the number of client-ssl-template allowed (client-ssl-template count (default is max-value))

Type: number

client-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_health-monitor-cfg

Specification	Value
Type	*object*

health-monitor-max

Description Enter the number of health monitors allowed (health-monitor count (default is max-value))

Type: number

Range: 0-1023

health-monitor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-1023

Default: 0

template-list_app-resources_gslb-zone-cfg

Specification	Value
Type	*object*

gslb-zone-max

Description Enter the number of gslb-zone allowed (gslb-zone count (default is max-value))

Type: number

gslb-zone-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_conn-reuse-template-cfg

Specification	Value
Type	*object*

conn-reuse-template-max

Description Enter the number of conn-reuse-template allowed (conn-reuse-template count (default is max-value))

Type: number

conn-reuse-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-policy-cfg

Specification	Value
Type	*object*

gslb-policy-max

Description Enter the number of gslb-policy allowed (gslb-policy count (default is max-value))

Type: number

gslb-policy-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-service-cfg

Specification	Value
Type	*object*

gslb-service-max

Description Enter the number of gslb-service allowed (gslb-service count (default is max-value)

Type: number

gslb-service-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-geo-location-cfg

Specification	Value
Type	*object*

gslb-geo-location-max

Description Enter the number of gslb-geo-location allowed (gslb-geo-location count (default is max-value))

Type: number

gslb-geo-location-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_cache-template-cfg

Specification	Value
Type	*object*

cache-template-max

Description Enter the number of cache-template allowed (cache-template count (default is max-value))

Type: number

cache-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_persist-cookie-template-cfg

Specification	Value
Type	*object*

persist-cookie-template-max

Description Enter the number of persist-cookie-template allowed (persist-cookie-template count (default is max-value))

Type: number

persist-cookie-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_fix-template-cfg

Specification	Value
Type	*object*

fix-template-max

Description Enter the number of fix-template allowed (fix-template count (default is max-value))

Type: number

fix-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_fast-tcp-template-cfg

Specification	Value
Type	*object*

fast-tcp-template-max

Description Enter the number of fast-tcp-template allowed (fast-tcp-template count (default is max-value))

Type: number

fast-tcp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_fast-udp-template-cfg

Specification	Value
Type	*object*

fast-udp-template-max

Description Enter the number of fast-udp-template allowed (fast-udp-template count (default is max-value))

Type: number

fast-udp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-service-ip-cfg

Specification	Value
Type	*object*

gslb-service-ip-max

Description Enter the number of gslb-service-ip allowed (gslb-service-ip count (default is max-value))

Type: number

gslb-service-ip-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-svc-group-cfg

Specification	Value
Type	*object*

gslb-svc-group-max

Description Enter the number of gslb-svc-group allowed (gslb-svc-group count (default is max-value))

Type: number

gslb-svc-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_virtual-port-cfg

Specification	Value
Type	*object*

virtual-port-max

Description Enter the number of virtual-port allowed (virtual-port count (default is max-value))

Type: number

virtual-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_service-group-cfg

Specification	Value
Type	*object*

service-group-max

Description Enter the number of service groups allowed (service-group count (default is max-value))

Type: number

service-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_pbslb-entry-cfg

Specification	Value
Type	*object*

pbslb-entry-max

Description Enter the number of pbslb-entry allowed (pbslb-entry count)

Type: number

pbslb-entry-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-device-cfg

Specification	Value
Type	*object*

gslb-device-max

Description Enter the number of gslb-device allowed (gslb-device count (default is max-value))

Type: number

gslb-device-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_persist-srcip-template-cfg

Specification	Value
Type	*object*

persist-srcip-template-max

Description Enter the number of persist-srcip-template allowed (persist-source-ip-template count (default is max-value))

Type: number

persist-srcip-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_stream-template-cfg

Specification	Value
Type	*object*

stream-template-max

Description Enter the number of stream-template allowed (server-ssl-template count (default is max-value))

Type: number

stream-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_real-port-cfg

Specification	Value
Type	*object*

real-port-max

Description Enter the number of real-ports allowed (real-port count (default is max-value))

Type: number

real-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_app-resources_gslb-ip-list-cfg

Specification	Value
Type	*object*

gslb-ip-list-max

Description Enter the number of gslb-ip-list allowed (gslb-ip-list count (default is max-value))

Type: number

gslb-ip-list-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_system-resources

Specification	Value
Type	*object*

bw-limit-cfg

Description: bw-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_bw-limit-cfg*

Type: Object

concurrent-session-limit-cfg

Description: concurrent-session-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_concurrent-session-limit-cfg*

Type: Object

fwcps-limit-cfg

Description: fwcps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_fwcps-limit-cfg*

Type: Object

l4-session-limit-cfg

Description: l4-session-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_l4-session-limit-cfg*

Type: Object

l4cps-limit-cfg

Description: l4cps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_l4cps-limit-cfg*

Type: Object

l7cps-limit-cfg

Description: l7cps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_l7cps-limit-cfg*

Type: Object

natcps-limit-cfg

Description: natcps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_natcps-limit-cfg*

Type: Object

ssl-throughput-limit-cfg

Description: ssl-throughput-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_ssl-throughput-limit-cfg*

Type: Object

sslcps-limit-cfg

Description: sslcps-limit-cfg is a **JSON Block**. Please see below for *template-list_system-resources_sslcps-limit-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_system-resources_l4-session-limit-cfg

Specification	Value
Type	*object*

l4-session-limit-max

Description Enter the l4 session limit in % (0.01% to 99.99%) (Enter a number from 0.01 to 99.99 (up to 2 digits precision))

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

l4-session-limit-min-guarantee

Description minimum guaranteed value in % (up to 2 digits precision) (Enter a number from 0 to 99.99)

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

Default: 0

template-list_system-resources_l7cps-limit-cfg

Specification	Value
Type	*object*

l7cps-limit-max

Description L7cps-limit (L7 cps limit (no limits applied by default))

Type: number

Range: 100-300000

template-list_system-resources_l4cps-limit-cfg

Specification	Value
Type	*object*

l4cps-limit-max

Description Enter the L4 cps limit (L4 cps limit (no limits applied by default))

Type: number

Range: 100-1000000

template-list_system-resources_natcps-limit-cfg

Specification	Value
Type	*object*

natcps-limit-max

Description Enter the Nat cps limit (NAT cps limit (no limits applied by default))

Type: number

Range: 100-1000000

template-list_system-resources_sslcps-limit-cfg

Specification	Value
Type	*object*

sslcps-limit-max

Description Enter the SSL cps limit (SSL cps limit (no limits applied by default))

Type: number

Range: 100-300000

template-list_system-resources_fwcps-limit-cfg

Specification	Value
Type	*object*

fwcps-limit-max

Description Enter the Firewall cps limit (Firewall cps limit (no limits applied by default))

Type: number

Range: 100-1000000

template-list_system-resources_ssl-throughput-limit-cfg

Specification	Value
Type	*object*

ssl-throughput-limit-max

Description Enter the ssl throughput limit in mbps (SSL Througput limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

ssl-throughput-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_system-resources_bw-limit-cfg

Specification	Value
Type	*object*

bw-limit-max

Description Enter the bandwidth limit in mbps (Bandwidth limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

bw-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

template-list_system-resources_concurrent-session-limit-cfg

Specification	Value
Type	*object*

concurrent-session-limit-max

Description Enter the Concurrent Session limit (cps) (Concurrent-Session cps limit (no limits applied by default))

Type: number

template-list_network-resources

Specification	Value
Type	*object*

ipv4-acl-line-cfg

Description: ipv4-acl-line-cfg is a **JSON Block**. Please see below for *template-list_network-resources_ipv4-acl-line-cfg*

Type: Object

ipv6-acl-line-cfg

Description: ipv6-acl-line-cfg is a **JSON Block**. Please see below for *template-list_network-resources_ipv6-acl-line-cfg*

Type: Object

object-group-cfg

Description: object-group-cfg is a **JSON Block**. Please see below for *template-list_network-resources_object-group-cfg*

Type: Object

object-group-clause-cfg

Description: object-group-clause-cfg is a **JSON Block**. Please see below for *template-list_network-resources_object-group-clause-cfg*

Type: Object

static-arp-cfg

Description: static-arp-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-arp-cfg*

Type: Object

static-ipv4-route-cfg

Description: static-ipv4-route-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-ipv4-route-cfg*

Type: Object

static-ipv6-route-cfg

Description: static-ipv6-route-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-ipv6-route-cfg*

Type: Object

static-mac-cfg

Description: static-mac-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-mac-cfg*

Type: Object

static-neighbor-cfg

Description: static-neighbor-cfg is a **JSON Block**. Please see below for *template-list_network-resources_static-neighbor-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

template-list_network-resources_static-ipv6-route-cfg

Specification	Value
Type	*object*

static-ipv6-route-max

Description Enter the number of static ipv6 routes allowed (Static ipv6 routes (default is max-value))

Type: number

static-ipv6-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_network-resources_object-group-clause-cfg

Specification	Value
Type	*object*

object-group-clause-max

Description Enter the number of object group clauses allowed (Object group clauses (default is max-value))

Type: number

Range: 0-8192000

object-group-clause-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8192000

Default: 0

template-list_network-resources_static-ipv4-route-cfg

Specification	Value
Type	*object*

static-ipv4-route-max

Description Enter the number of static ipv4 routes allowed (Static ipv4 routes (default is max-value))

Type: number

static-ipv4-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

template-list_network-resources_static-arp-cfg

Specification	Value
Type	*object*

static-arp-max

Description Enter the number of static arp entries allowed (Static arp (default is max-value))

Type: number

Range: 0-128

static-arp-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

template-list_network-resources_ipv4-acl-line-cfg

Specification	Value
Type	*object*

ipv4-acl-line-max

Description Enter the number of ACL lines allowed (IPV4 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv4-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

template-list_network-resources_static-mac-cfg

Specification	Value
Type	*object*

static-mac-max

Description Enter the number of static MAC entries allowed (Static MACs (default is max-value))

Type: number

Range: 0-500

static-mac-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-500

Default: 0

template-list_network-resources_ipv6-acl-line-cfg

Specification	Value
Type	*object*

ipv6-acl-line-max

Description Enter the number of ACL lines allowed (IPV6 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv6-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

template-list_network-resources_static-neighbor-cfg

Specification	Value
Type	*object*

static-neighbor-max

Description Enter the number of static neighbor entries allowed (Static neighbors (default is max-value))

Type: number

Range: 0-128

static-neighbor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

template-list_network-resources_object-group-cfg

Specification	Value
Type	*object*

object-group-max

Description Enter the number of object groups allowed (Object group (default is max-value))

Type: number

Range: 0-8000

object-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8000

Default: 0

2.129.143 system resource-accounting oper

Operational Status for the object resource-accounting

resource-accounting Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-accounting
Element URI	/axapi/v3/system/resource-accounting/oper
Element Attributes	resource-accounting_attributes
Partition Visibility	None
Schema	`resource-accounting schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/oper

resource-accounting attributes

Get Object

GET

/axapi/v3/system/resource-accounting/oper

resource-accounting attributes

Modify Object

POST

/axapi/v3/system/resource-accounting/oper

resource-accounting attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/oper

resource-accounting attributes

Delete Object

DELETE

/axapi/v3/system/resource-accounting/oper

resource-accounting attributes

resource-accounting attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

partition-resource

Type: List

scope

Description

Type: string

oper_partition-resource

Specification	Value
Type	*list*
Block object keys	

partition-name

Description

Type: string

res-type

Type: List

oper_partition-resource_res-type

Specification	Value
Type	*list*
Block object keys	

resource-type

Description

Type: string

resources

Type: List

oper_partition-resource_res-type_resources

Specification	Value
Type	*list*
Block object keys	

average

Description

Type: string

cap

Description

Type: string

cap-utilization

Description

Type: string

current

Description

Type: string

max-exceed

Description

Type: string

maximum

Description

Type: string

minimum

Description

Type: string

peak

Description

Type: string

resource-name

Description

Type: string

threshold-exceed

Description

Type: string

utilization

Description

Type: string

2.129.144 system resource-accounting template

Create resource accounting template

template Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*template-list*
Collection URI	/axapi/v3/system/resource-accounting/template
Element Name	template
Element URI	/axapi/v3/system/resource-accounting/template/{name}
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/template

template attributes

```
POST /axapi/v3/system/resource-accounting/template/
Payload:
{
    "template": {
        "name": "a"
    }
}
```

Create List

POST

/axapi/v3/system/resource-accounting/template

template attributes

Get Object

GET

/axapi/v3/system/resource-accounting/template/{name}

template attributes

```
GET /axapi/v3/system/resource-accounting/template/a
Reponse:
{
    "template": {
        "name": "a",
        "uuid": "8e76fe3c-b717-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/resource-accounting/template/a"
    }
}
```

Get List

GET

/axapi/v3/system/resource-accounting/template

template-list

Modify Object

POST

/axapi/v3/system/resource-accounting/template/{name}

template attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/template/{name}

template attributes

```
PUT /axapi/v3/system/resource-accounting/template/a
Payload:
{
    "template": {
        "name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/system/resource-accounting/template

template-list

Delete Object

DELETE

/axapi/v3/system/resource-accounting/template/{name}

template attributes

```
DELETE /axapi/v3/system/resource-accounting/template/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

template-list

template-list is **JSON List** of *template attributes*

template-list : [

{ *template attributes* },

{ *template attributes* },

...

]

template attributes

app-resources

Description: app-resources is a **JSON Block**. Please see below for *app-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/app-resources*

name

Description Enter template name

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

network-resources

Description: network-resources is a **JSON Block**. Please see below for *network-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/network-resources*

system-resources

Description: system-resources is a **JSON Block**. Please see below for *system-resources*

Type: Object

Reference Object: */axapi/v3/system/resource-accounting/template/{name}/system-resources*

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

app-resources

Specification	Value
Type	*object*

cache-template-cfg

Description: cache-template-cfg is a **JSON Block**. Please see below for *app-resources_cache-template-cfg*

Type: Object

client-ssl-template-cfg

Description: client-ssl-template-cfg is a **JSON Block**. Please see below for *app-resources_client-ssl-template-cfg*

Type: Object

conn-reuse-template-cfg

Description: conn-reuse-template-cfg is a **JSON Block**. Please see below for *app-resources_conn-reuse-template-cfg*

Type: Object

fast-tcp-template-cfg

Description: fast-tcp-template-cfg is a **JSON Block**. Please see below for *app-resources_fast-tcp-template-cfg*

Type: Object

fast-udp-template-cfg

Description: fast-udp-template-cfg is a **JSON Block**. Please see below for *app-resources_fast-udp-template-cfg*

Type: Object

fix-template-cfg

Description: fix-template-cfg is a **JSON Block**. Please see below for *app-resources_fix-template-cfg*

Type: Object

gslb-device-cfg

Description: gslb-device-cfg is a **JSON Block**. Please see below for *app-resources_gslb-device-cfg*

Type: Object

gslb-geo-location-cfg

Description: gslb-geo-location-cfg is a **JSON Block**. Please see below for *app-resources_gslb-geo-location-cfg*

Type: Object

gslb-ip-list-cfg

Description: gslb-ip-list-cfg is a **JSON Block**. Please see below for *app-resources_gslb-ip-list-cfg*

Type: Object

gslb-policy-cfg

Description: gslb-policy-cfg is a **JSON Block**. Please see below for *app-resources_gslb-policy-cfg*

Type: Object

gslb-service-cfg

Description: gslb-service-cfg is a **JSON Block**. Please see below for *app-resources_gslb-service-cfg*

Type: Object

gslb-service-ip-cfg

Description: gslb-service-ip-cfg is a **JSON Block**. Please see below for *app-resources_gslb-service-ip-cfg*

Type: Object

gslb-service-port-cfg

Description: gslb-service-port-cfg is a **JSON Block**. Please see below for *app-resources_gslb-service-port-cfg*

Type: Object

gslb-site-cfg

Description: gslb-site-cfg is a **JSON Block**. Please see below for *app-resources_gslb-site-cfg*

Type: Object

gslb-svc-group-cfg

Description: gslb-svc-group-cfg is a **JSON Block**. Please see below for *app-resources_gslb-svc-group-cfg*

Type: Object

gslb-template-cfg

Description: gslb-template-cfg is a **JSON Block**. Please see below for *app-resources_gslb-template-cfg*

Type: Object

gslb-zone-cfg

Description: gslb-zone-cfg is a **JSON Block**. Please see below for *app-resources_gslb-zone-cfg*

Type: Object

health-monitor-cfg

Description: health-monitor-cfg is a **JSON Block**. Please see below for *app-resources_health-monitor-cfg*

Type: Object

http-template-cfg

Description: http-template-cfg is a **JSON Block**. Please see below for *app-resources_http-template-cfg*

Type: Object

link-cost-template-cfg

Description: link-cost-template-cfg is a **JSON Block**. Please see below for *app-resources_link-cost-template-cfg*

Type: Object

pbslb-entry-cfg

Description: pbslb-entry-cfg is a **JSON Block**. Please see below for *app-resources_pbslb-entry-cfg*

Type: Object

persist-cookie-template-cfg

Description: persist-cookie-template-cfg is a **JSON Block**. Please see below for *app-resources_persist-cookie-template-cfg*

Type: Object

persist-srcip-template-cfg

Description: persist-srcip-template-cfg is a **JSON Block**. Please see below for *app-resources_persist-srcip-template-cfg*

Type: Object

proxy-template-cfg

Description: proxy-template-cfg is a **JSON Block**. Please see below for *app-resources_proxy-template-cfg*

Type: Object

real-port-cfg

Description: real-port-cfg is a **JSON Block**. Please see below for *app-resources_real-port-cfg*

Type: Object

real-server-cfg

Description: real-server-cfg is a **JSON Block**. Please see below for *app-resources_real-server-cfg*

Type: Object

server-ssl-template-cfg

Description: server-ssl-template-cfg is a **JSON Block**. Please see below for *app-resources_server-ssl-template-cfg*

Type: Object

service-group-cfg

Description: service-group-cfg is a **JSON Block**. Please see below for *app-resources_service-group-cfg*

Type: Object

stream-template-cfg

Description: stream-template-cfg is a **JSON Block**. Please see below for *app-resources_stream-template-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-cfg

Description: virtual-port-cfg is a **JSON Block**. Please see below for *app-resources_virtual-port-cfg*

Type: Object

virtual-server-cfg

Description: virtual-server-cfg is a **JSON Block**. Please see below for *app-resources_virtual-server-cfg*

Type: Object

app-resources_http-template-cfg

Specification	Value
Type	*object*

http-template-max

Description Enter the number of http-template allowed (http-template count (default is max-value))

Type: number

http-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_server-ssl-template-cfg

Specification	Value
Type	*object*

server-ssl-template-max

Description Enter the number of server-ssl-template allowed (server-ssl-template count (default is max-value))

Type: number

server-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-template-cfg

Specification	Value
Type	*object*

gslb-template-max

Description Enter the number of gslb-template allowed (gslb-template count (default is max-value))

Type: number

gslb-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_virtual-server-cfg

Specification	Value
Type	*object*

virtual-server-max

Description Enter the number of virtual-servers allowed (virtual-server count (default is max-value))

Type: number

virtual-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-service-port-cfg

Specification	Value
Type	*object*

gslb-service-port-max

Description Enter the number of gslb-service-port allowed (gslb-service-port count (default is max-value))

Type: number

gslb-service-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-site-cfg

Specification	Value
Type	*object*

gslb-site-max

Description Enter the number of gslb-site allowed (gslb-site count (default is max-value))

Type: number

gslb-site-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_proxy-template-cfg

Specification	Value
Type	*object*

proxy-template-max

Description Enter the number of proxy-template allowed (server-ssl-template count (default is max-value))

Type: number

proxy-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_real-server-cfg

Specification	Value
Type	*object*

real-server-max

Description Enter the number of real-servers allowed (real-server count (default is max-value))

Type: number

real-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_link-cost-template-cfg

Specification	Value
Type	*object*

link-cost-template-max

Description Enter the number of link-cost-template allowed (link-cost-template count (default is max-value))

Type: number

link-cost-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_client-ssl-template-cfg

Specification	Value
Type	*object*

client-ssl-template-max

Description Enter the number of client-ssl-template allowed (client-ssl-template count (default is max-value))

Type: number

client-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_health-monitor-cfg

Specification	Value
Type	*object*

health-monitor-max

Description Enter the number of health monitors allowed (health-monitor count (default is max-value))

Type: number

Range: 0-1023

health-monitor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-1023

Default: 0

app-resources_gslb-zone-cfg

Specification	Value
Type	*object*

gslb-zone-max

Description Enter the number of gslb-zone allowed (gslb-zone count (default is max-value))

Type: number

gslb-zone-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_conn-reuse-template-cfg

Specification	Value
Type	*object*

conn-reuse-template-max

Description Enter the number of conn-reuse-template allowed (conn-reuse-template count (default is max-value))

Type: number

conn-reuse-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-policy-cfg

Specification	Value
Type	*object*

gslb-policy-max

Description Enter the number of gslb-policy allowed (gslb-policy count (default is max-value))

Type: number

gslb-policy-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-service-cfg

Specification	Value
Type	*object*

gslb-service-max

Description Enter the number of gslb-service allowed (gslb-service count (default is max-value)

Type: number

gslb-service-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-geo-location-cfg

Specification	Value
Type	*object*

gslb-geo-location-max

Description Enter the number of gslb-geo-location allowed (gslb-geo-location count (default is max-value))

Type: number

gslb-geo-location-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_cache-template-cfg

Specification	Value
Type	*object*

cache-template-max

Description Enter the number of cache-template allowed (cache-template count (default is max-value))

Type: number

cache-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_persist-cookie-template-cfg

Specification	Value
Type	*object*

persist-cookie-template-max

Description Enter the number of persist-cookie-template allowed (persist-cookie-template count (default is max-value))

Type: number

persist-cookie-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_fix-template-cfg

Specification	Value
Type	*object*

fix-template-max

Description Enter the number of fix-template allowed (fix-template count (default is max-value))

Type: number

fix-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_fast-tcp-template-cfg

Specification	Value
Type	*object*

fast-tcp-template-max

Description Enter the number of fast-tcp-template allowed (fast-tcp-template count (default is max-value))

Type: number

fast-tcp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_fast-udp-template-cfg

Specification	Value
Type	*object*

fast-udp-template-max

Description Enter the number of fast-udp-template allowed (fast-udp-template count (default is max-value))

Type: number

fast-udp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-service-ip-cfg

Specification	Value
Type	*object*

gslb-service-ip-max

Description Enter the number of gslb-service-ip allowed (gslb-service-ip count (default is max-value))

Type: number

gslb-service-ip-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-svc-group-cfg

Specification	Value
Type	*object*

gslb-svc-group-max

Description Enter the number of gslb-svc-group allowed (gslb-svc-group count (default is max-value))

Type: number

gslb-svc-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_virtual-port-cfg

Specification	Value
Type	*object*

virtual-port-max

Description Enter the number of virtual-port allowed (virtual-port count (default is max-value))

Type: number

virtual-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_service-group-cfg

Specification	Value
Type	*object*

service-group-max

Description Enter the number of service groups allowed (service-group count (default is max-value))

Type: number

service-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_pbslb-entry-cfg

Specification	Value
Type	*object*

pbslb-entry-max

Description Enter the number of pbslb-entry allowed (pbslb-entry count)

Type: number

pbslb-entry-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-device-cfg

Specification	Value
Type	*object*

gslb-device-max

Description Enter the number of gslb-device allowed (gslb-device count (default is max-value))

Type: number

gslb-device-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_persist-srcip-template-cfg

Specification	Value
Type	*object*

persist-srcip-template-max

Description Enter the number of persist-srcip-template allowed (persist-source-ip-template count (default is max-value))

Type: number

persist-srcip-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_stream-template-cfg

Specification	Value
Type	*object*

stream-template-max

Description Enter the number of stream-template allowed (server-ssl-template count (default is max-value))

Type: number

stream-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_real-port-cfg

Specification	Value
Type	*object*

real-port-max

Description Enter the number of real-ports allowed (real-port count (default is max-value))

Type: number

real-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

app-resources_gslb-ip-list-cfg

Specification	Value
Type	*object*

gslb-ip-list-max

Description Enter the number of gslb-ip-list allowed (gslb-ip-list count (default is max-value))

Type: number

gslb-ip-list-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

system-resources

Specification	Value
Type	*object*

bw-limit-cfg

Description: bw-limit-cfg is a **JSON Block**. Please see below for *system-resources_bw-limit-cfg*

Type: Object

concurrent-session-limit-cfg

Description: concurrent-session-limit-cfg is a **JSON Block**. Please see below for *system-resources_concurrent-session-limit-cfg*

Type: Object

fwcps-limit-cfg

Description: fwcps-limit-cfg is a **JSON Block**. Please see below for *system-resources_fwcps-limit-cfg*

Type: Object

l4-session-limit-cfg

Description: l4-session-limit-cfg is a **JSON Block**. Please see below for *system-resources_l4-session-limit-cfg*

Type: Object

l4cps-limit-cfg

Description: l4cps-limit-cfg is a **JSON Block**. Please see below for *system-resources_l4cps-limit-cfg*

Type: Object

l7cps-limit-cfg

Description: l7cps-limit-cfg is a **JSON Block**. Please see below for *system-resources_l7cps-limit-cfg*

Type: Object

natcps-limit-cfg

Description: natcps-limit-cfg is a **JSON Block**. Please see below for *system-resources_natcps-limit-cfg*

Type: Object

ssl-throughput-limit-cfg

Description: ssl-throughput-limit-cfg is a **JSON Block**. Please see below for *system-resources_ssl-throughput-limit-cfg*

Type: Object

sslcps-limit-cfg

Description: sslcps-limit-cfg is a **JSON Block**. Please see below for *system-resources_sslcps-limit-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

system-resources_l4-session-limit-cfg

Specification	Value
Type	*object*

l4-session-limit-max

Description Enter the l4 session limit in % (0.01% to 99.99%) (Enter a number from 0.01 to 99.99 (up to 2 digits precision))

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

l4-session-limit-min-guarantee

Description minimum guaranteed value in % (up to 2 digits precision) (Enter a number from 0 to 99.99)

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

Default: 0

system-resources_l7cps-limit-cfg

Specification	Value
Type	*object*

l7cps-limit-max

Description L7cps-limit (L7 cps limit (no limits applied by default))

Type: number

Range: 100-300000

system-resources_l4cps-limit-cfg

Specification	Value
Type	*object*

l4cps-limit-max

Description Enter the L4 cps limit (L4 cps limit (no limits applied by default))

Type: number

Range: 100-1000000

system-resources_natcps-limit-cfg

Specification	Value
Type	*object*

natcps-limit-max

Description Enter the Nat cps limit (NAT cps limit (no limits applied by default))

Type: number

Range: 100-1000000

system-resources_sslcps-limit-cfg

Specification	Value
Type	*object*

sslcps-limit-max

Description Enter the SSL cps limit (SSL cps limit (no limits applied by default))

Type: number

Range: 100-300000

system-resources_fwcps-limit-cfg

Specification	Value
Type	*object*

fwcps-limit-max

Description Enter the Firewall cps limit (Firewall cps limit (no limits applied by default))

Type: number

Range: 100-1000000

system-resources_ssl-throughput-limit-cfg

Specification	Value
Type	*object*

ssl-throughput-limit-max

Description Enter the ssl throughput limit in mbps (SSL Througput limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

ssl-throughput-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-resources_bw-limit-cfg

Specification	Value
Type	*object*

bw-limit-max

Description Enter the bandwidth limit in mbps (Bandwidth limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

bw-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

system-resources_concurrent-session-limit-cfg

Specification	Value
Type	*object*

concurrent-session-limit-max

Description Enter the Concurrent Session limit (cps) (Concurrent-Session cps limit (no limits applied by default))

Type: number

network-resources

Specification	Value
Type	*object*

ipv4-acl-line-cfg

Description: ipv4-acl-line-cfg is a **JSON Block**. Please see below for *network-resources_ipv4-acl-line-cfg*

Type: Object

ipv6-acl-line-cfg

Description: ipv6-acl-line-cfg is a **JSON Block**. Please see below for *network-resources_ipv6-acl-line-cfg*

Type: Object

object-group-cfg

Description: object-group-cfg is a **JSON Block**. Please see below for *network-resources_object-group-cfg*

Type: Object

object-group-clause-cfg

Description: object-group-clause-cfg is a **JSON Block**. Please see below for *network-resources_object-group-clause-cfg*

Type: Object

static-arp-cfg

Description: static-arp-cfg is a **JSON Block**. Please see below for *network-resources_static-arp-cfg*

Type: Object

static-ipv4-route-cfg

Description: static-ipv4-route-cfg is a **JSON Block**. Please see below for *network-resources_static-ipv4-route-cfg*

Type: Object

static-ipv6-route-cfg

Description: static-ipv6-route-cfg is a **JSON Block**. Please see below for *network-resources_static-ipv6-route-cfg*

Type: Object

static-mac-cfg

Description: static-mac-cfg is a **JSON Block**. Please see below for *network-resources_static-mac-cfg*

Type: Object

static-neighbor-cfg

Description: static-neighbor-cfg is a **JSON Block**. Please see below for *network-resources_static-neighbor-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

network-resources_static-ipv6-route-cfg

Specification	Value
Type	*object*

static-ipv6-route-max

Description Enter the number of static ipv6 routes allowed (Static ipv6 routes (default is max-value))

Type: number

static-ipv6-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

network-resources_object-group-clause-cfg

Specification	Value
Type	*object*

object-group-clause-max

Description Enter the number of object group clauses allowed (Object group clauses (default is max-value))

Type: number

Range: 0-8192000

object-group-clause-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8192000

Default: 0

network-resources_static-ipv4-route-cfg

Specification	Value
Type	*object*

static-ipv4-route-max

Description Enter the number of static ipv4 routes allowed (Static ipv4 routes (default is max-value))

Type: number

static-ipv4-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

network-resources_static-arp-cfg

Specification	Value
Type	*object*

static-arp-max

Description Enter the number of static arp entries allowed (Static arp (default is max-value))

Type: number

Range: 0-128

static-arp-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

network-resources_ipv4-acl-line-cfg

Specification	Value
Type	*object*

ipv4-acl-line-max

Description Enter the number of ACL lines allowed (IPV4 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv4-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

network-resources_static-mac-cfg

Specification	Value
Type	*object*

static-mac-max

Description Enter the number of static MAC entries allowed (Static MACs (default is max-value))

Type: number

Range: 0-500

static-mac-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-500

Default: 0

network-resources_ipv6-acl-line-cfg

Specification	Value
Type	*object*

ipv6-acl-line-max

Description Enter the number of ACL lines allowed (IPV6 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv6-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

network-resources_static-neighbor-cfg

Specification	Value
Type	*object*

static-neighbor-max

Description Enter the number of static neighbor entries allowed (Static neighbors (default is max-value))

Type: number

Range: 0-128

static-neighbor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

network-resources_object-group-cfg

Specification	Value
Type	*object*

object-group-max

Description Enter the number of object groups allowed (Object group (default is max-value))

Type: number

Range: 0-8000

object-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8000

Default: 0

2.129.145 system resource-accounting template app-resources

Enter the application resource limits

app-resources Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	app-resources
Element URI	/axapi/v3/system/resource-accounting/template/{name}/app-resources
Element Attributes	app-resources_attributes
Partition Visibility	shared
Schema	`app-resources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/template/{name}/app-resources

app-resources attributes

```
POST /axapi/v3/system/resource-accounting/template/aa/app-resources
Payload:
{
    "app-resources": {
        "gslb-device-cfg": {
            "gslb-device-max": 1,
            "gslb-device-min-guarantee": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/system/resource-accounting/template/{name}/app-resources

app-resources attributes

```
GET /axapi/v3/system/resource-accounting/template/aa/app-resources
Reponse:
{
    "app-resources": {
        "gslb-device-cfg": {
            "gslb-device-max": 1,
            "gslb-device-min-guarantee": 1
        },
        "uuid": "d0e90a80-b717-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/resource-accounting/template/aa/app-resources"
    }
}
```

Modify Object

POST

/axapi/v3/system/resource-accounting/template/{name}/app-resources

app-resources attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/template/{name}/app-resources

app-resources attributes

```
PUT /axapi/v3/system/resource-accounting/template/aa/app-resources
Payload:
{
    "app-resources": {
        "gslb-device-cfg": {
            "gslb-device-max": 2,
            "gslb-device-min-guarantee": 2
        }
    }
}
```

app-resources attributes

cache-template-cfg

Description: cache-template-cfg is a **JSON Block**. Please see below for *cache-template-cfg*

Type: Object

client-ssl-template-cfg

Description: client-ssl-template-cfg is a **JSON Block**. Please see below for *client-ssl-template-cfg*

Type: Object

conn-reuse-template-cfg

Description: conn-reuse-template-cfg is a **JSON Block**. Please see below for *conn-reuse-template-cfg*

Type: Object

fast-tcp-template-cfg

Description: fast-tcp-template-cfg is a **JSON Block**. Please see below for *fast-tcp-template-cfg*

Type: Object

fast-udp-template-cfg

Description: fast-udp-template-cfg is a **JSON Block**. Please see below for *fast-udp-template-cfg*

Type: Object

fix-template-cfg

Description: fix-template-cfg is a **JSON Block**. Please see below for *fix-template-cfg*

Type: Object

gslb-device-cfg

Description: gslb-device-cfg is a **JSON Block**. Please see below for *gslb-device-cfg*

Type: Object

gslb-geo-location-cfg

Description: gslb-geo-location-cfg is a **JSON Block**. Please see below for *gslb-geo-location-cfg*

Type: Object

gslb-ip-list-cfg

Description: gslb-ip-list-cfg is a **JSON Block**. Please see below for *gslb-ip-list-cfg*

Type: Object

gslb-policy-cfg

Description: gslb-policy-cfg is a **JSON Block**. Please see below for *gslb-policy-cfg*

Type: Object

gslb-service-cfg

Description: gslb-service-cfg is a **JSON Block**. Please see below for *gslb-service-cfg*

Type: Object

gslb-service-ip-cfg

Description: gslb-service-ip-cfg is a **JSON Block**. Please see below for *gslb-service-ip-cfg*

Type: Object

gslb-service-port-cfg

Description: gslb-service-port-cfg is a **JSON Block**. Please see below for *gslb-service-port-cfg*

Type: Object

gslb-site-cfg

Description: gslb-site-cfg is a **JSON Block**. Please see below for *gslb-site-cfg*

Type: Object

gslb-svc-group-cfg

Description: gslb-svc-group-cfg is a **JSON Block**. Please see below for *gslb-svc-group-cfg*

Type: Object

gslb-template-cfg

Description: gslb-template-cfg is a **JSON Block**. Please see below for *gslb-template-cfg*

Type: Object

gslb-zone-cfg

Description: gslb-zone-cfg is a **JSON Block**. Please see below for *gslb-zone-cfg*

Type: Object

health-monitor-cfg

Description: health-monitor-cfg is a **JSON Block**. Please see below for *health-monitor-cfg*

Type: Object

http-template-cfg

Description: http-template-cfg is a **JSON Block**. Please see below for *http-template-cfg*

Type: Object

link-cost-template-cfg

Description: link-cost-template-cfg is a **JSON Block**. Please see below for *link-cost-template-cfg*

Type: Object

pbslb-entry-cfg

Description: pbslb-entry-cfg is a **JSON Block**. Please see below for *pbslb-entry-cfg*

Type: Object

persist-cookie-template-cfg

Description: persist-cookie-template-cfg is a **JSON Block**. Please see below for *persist-cookie-template-cfg*

Type: Object

persist-srcip-template-cfg

Description: persist-srcip-template-cfg is a **JSON Block**. Please see below for *persist-srcip-template-cfg*

Type: Object

proxy-template-cfg

Description: proxy-template-cfg is a **JSON Block**. Please see below for *proxy-template-cfg*

Type: Object

real-port-cfg

Description: real-port-cfg is a **JSON Block**. Please see below for *real-port-cfg*

Type: Object

real-server-cfg

Description: real-server-cfg is a **JSON Block**. Please see below for *real-server-cfg*

Type: Object

server-ssl-template-cfg

Description: server-ssl-template-cfg is a **JSON Block**. Please see below for *server-ssl-template-cfg*

Type: Object

service-group-cfg

Description: service-group-cfg is a **JSON Block**. Please see below for *service-group-cfg*

Type: Object

stream-template-cfg

Description: stream-template-cfg is a **JSON Block**. Please see below for *stream-template-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

virtual-port-cfg

Description: virtual-port-cfg is a **JSON Block**. Please see below for *virtual-port-cfg*

Type: Object

virtual-server-cfg

Description: virtual-server-cfg is a **JSON Block**. Please see below for *virtual-server-cfg*

Type: Object

http-template-cfg

Specification	Value
Type	*object*

http-template-max

Description Enter the number of http-template allowed (http-template count (default is max-value))

Type: number

http-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

server-ssl-template-cfg

Specification	Value
Type	*object*

server-ssl-template-max

Description Enter the number of server-ssl-template allowed (server-ssl-template count (default is max-value))

Type: number

server-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-template-cfg

Specification	Value
Type	*object*

gslb-template-max

Description Enter the number of gslb-template allowed (gslb-template count (default is max-value))

Type: number

gslb-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

virtual-server-cfg

Specification	Value
Type	*object*

virtual-server-max

Description Enter the number of virtual-servers allowed (virtual-server count (default is max-value))

Type: number

virtual-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-service-port-cfg

Specification	Value
Type	*object*

gslb-service-port-max

Description Enter the number of gslb-service-port allowed (gslb-service-port count (default is max-value))

Type: number

gslb-service-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-site-cfg

Specification	Value
Type	*object*

gslb-site-max

Description Enter the number of gslb-site allowed (gslb-site count (default is max-value))

Type: number

gslb-site-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

proxy-template-cfg

Specification	Value
Type	*object*

proxy-template-max

Description Enter the number of proxy-template allowed (server-ssl-template count (default is max-value))

Type: number

proxy-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

real-server-cfg

Specification	Value
Type	*object*

real-server-max

Description Enter the number of real-servers allowed (real-server count (default is max-value))

Type: number

real-server-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

link-cost-template-cfg

Specification	Value
Type	*object*

link-cost-template-max

Description Enter the number of link-cost-template allowed (link-cost-template count (default is max-value))

Type: number

link-cost-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

client-ssl-template-cfg

Specification	Value
Type	*object*

client-ssl-template-max

Description Enter the number of client-ssl-template allowed (client-ssl-template count (default is max-value))

Type: number

client-ssl-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

health-monitor-cfg

Specification	Value
Type	*object*

health-monitor-max

Description Enter the number of health monitors allowed (health-monitor count (default is max-value))

Type: number

Range: 0-1023

health-monitor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-1023

Default: 0

gslb-zone-cfg

Specification	Value
Type	*object*

gslb-zone-max

Description Enter the number of gslb-zone allowed (gslb-zone count (default is max-value))

Type: number

gslb-zone-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

conn-reuse-template-cfg

Specification	Value
Type	*object*

conn-reuse-template-max

Description Enter the number of conn-reuse-template allowed (conn-reuse-template count (default is max-value))

Type: number

conn-reuse-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-policy-cfg

Specification	Value
Type	*object*

gslb-policy-max

Description Enter the number of gslb-policy allowed (gslb-policy count (default is max-value))

Type: number

gslb-policy-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-service-cfg

Specification	Value
Type	*object*

gslb-service-max

Description Enter the number of gslb-service allowed (gslb-service count (default is max-value)

Type: number

gslb-service-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-geo-location-cfg

Specification	Value
Type	*object*

gslb-geo-location-max

Description Enter the number of gslb-geo-location allowed (gslb-geo-location count (default is max-value))

Type: number

gslb-geo-location-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

cache-template-cfg

Specification	Value
Type	*object*

cache-template-max

Description Enter the number of cache-template allowed (cache-template count (default is max-value))

Type: number

cache-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

persist-cookie-template-cfg

Specification	Value
Type	*object*

persist-cookie-template-max

Description Enter the number of persist-cookie-template allowed (persist-cookie-template count (default is max-value))

Type: number

persist-cookie-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

fix-template-cfg

Specification	Value
Type	*object*

fix-template-max

Description Enter the number of fix-template allowed (fix-template count (default is max-value))

Type: number

fix-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

fast-tcp-template-cfg

Specification	Value
Type	*object*

fast-tcp-template-max

Description Enter the number of fast-tcp-template allowed (fast-tcp-template count (default is max-value))

Type: number

fast-tcp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

fast-udp-template-cfg

Specification	Value
Type	*object*

fast-udp-template-max

Description Enter the number of fast-udp-template allowed (fast-udp-template count (default is max-value))

Type: number

fast-udp-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-service-ip-cfg

Specification	Value
Type	*object*

gslb-service-ip-max

Description Enter the number of gslb-service-ip allowed (gslb-service-ip count (default is max-value))

Type: number

gslb-service-ip-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-svc-group-cfg

Specification	Value
Type	*object*

gslb-svc-group-max

Description Enter the number of gslb-svc-group allowed (gslb-svc-group count (default is max-value))

Type: number

gslb-svc-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

virtual-port-cfg

Specification	Value
Type	*object*

virtual-port-max

Description Enter the number of virtual-port allowed (virtual-port count (default is max-value))

Type: number

virtual-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

service-group-cfg

Specification	Value
Type	*object*

service-group-max

Description Enter the number of service groups allowed (service-group count (default is max-value))

Type: number

service-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

pbslb-entry-cfg

Specification	Value
Type	*object*

pbslb-entry-max

Description Enter the number of pbslb-entry allowed (pbslb-entry count)

Type: number

pbslb-entry-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-device-cfg

Specification	Value
Type	*object*

gslb-device-max

Description Enter the number of gslb-device allowed (gslb-device count (default is max-value))

Type: number

gslb-device-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

persist-srcip-template-cfg

Specification	Value
Type	*object*

persist-srcip-template-max

Description Enter the number of persist-srcip-template allowed (persist-source-ip-template count (default is max-value))

Type: number

persist-srcip-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

stream-template-cfg

Specification	Value
Type	*object*

stream-template-max

Description Enter the number of stream-template allowed (server-ssl-template count (default is max-value))

Type: number

stream-template-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

real-port-cfg

Specification	Value
Type	*object*

real-port-max

Description Enter the number of real-ports allowed (real-port count (default is max-value))

Type: number

real-port-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

gslb-ip-list-cfg

Specification	Value
Type	*object*

gslb-ip-list-max

Description Enter the number of gslb-ip-list allowed (gslb-ip-list count (default is max-value))

Type: number

gslb-ip-list-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

2.129.146 system resource-accounting template network-resources

Enter the network resource limits

network-resources Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	network-resources
Element URI	/axapi/v3/system/resource-accounting/template/{name}/network-resources
Element Attributes	network-resources_attributes
Partition Visibility	shared
Schema	`network-resources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/template/{name}/network-resources

network-resources attributes

```
POST /axapi/v3/system/resource-accounting/template/aa/network-resources
Payload:
{
    "network-resources": {
        "static-ipv4-route-cfg": {
            "static-ipv4-route-max": 1
        }
    }
}
```

Get Object

GET

/axapi/v3/system/resource-accounting/template/{name}/network-resources

network-resources attributes

```
GET /axapi/v3/system/resource-accounting/template/aa/network-resources
Reponse:
{
    "network-resources": {
        "static-ipv4-route-cfg": {
            "static-ipv4-route-max": 1,
            "static-ipv4-route-min-guarantee": 0
        },
        "uuid": "59134a72-b71a-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/resource-accounting/template/aa/network-resources"
    }
}
```

Modify Object

POST

/axapi/v3/system/resource-accounting/template/{name}/network-resources

network-resources attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/template/{name}/network-resources

network-resources attributes

```
PUT /axapi/v3/system/resource-accounting/template/aa/network-resources
Payload:
{
    "network-resources": {
        "static-ipv4-route-cfg": {
            "static-ipv4-route-max": 2
        }
    }
}
```

network-resources attributes

ipv4-acl-line-cfg

Description: ipv4-acl-line-cfg is a **JSON Block**. Please see below for *ipv4-acl-line-cfg*

Type: Object

ipv6-acl-line-cfg

Description: ipv6-acl-line-cfg is a **JSON Block**. Please see below for *ipv6-acl-line-cfg*

Type: Object

object-group-cfg

Description: object-group-cfg is a **JSON Block**. Please see below for *object-group-cfg*

Type: Object

object-group-clause-cfg

Description: object-group-clause-cfg is a **JSON Block**. Please see below for *object-group-clause-cfg*

Type: Object

static-arp-cfg

Description: static-arp-cfg is a **JSON Block**. Please see below for *static-arp-cfg*

Type: Object

static-ipv4-route-cfg

Description: static-ipv4-route-cfg is a **JSON Block**. Please see below for *static-ipv4-route-cfg*

Type: Object

static-ipv6-route-cfg

Description: static-ipv6-route-cfg is a **JSON Block**. Please see below for *static-ipv6-route-cfg*

Type: Object

static-mac-cfg

Description: static-mac-cfg is a **JSON Block**. Please see below for *static-mac-cfg*

Type: Object

static-neighbor-cfg

Description: static-neighbor-cfg is a **JSON Block**. Please see below for *static-neighbor-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

static-ipv6-route-cfg

Specification	Value
Type	*object*

static-ipv6-route-max

Description Enter the number of static ipv6 routes allowed (Static ipv6 routes (default is max-value))

Type: number

static-ipv6-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

object-group-clause-cfg

Specification	Value
Type	*object*

object-group-clause-max

Description Enter the number of object group clauses allowed (Object group clauses (default is max-value))

Type: number

Range: 0-8192000

object-group-clause-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8192000

Default: 0

static-ipv4-route-cfg

Specification	Value
Type	*object*

static-ipv4-route-max

Description Enter the number of static ipv4 routes allowed (Static ipv4 routes (default is max-value))

Type: number

static-ipv4-route-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

static-arp-cfg

Specification	Value
Type	*object*

static-arp-max

Description Enter the number of static arp entries allowed (Static arp (default is max-value))

Type: number

Range: 0-128

static-arp-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

ipv4-acl-line-cfg

Specification	Value
Type	*object*

ipv4-acl-line-max

Description Enter the number of ACL lines allowed (IPV4 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv4-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

static-mac-cfg

Specification	Value
Type	*object*

static-mac-max

Description Enter the number of static MAC entries allowed (Static MACs (default is max-value))

Type: number

Range: 0-500

static-mac-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-500

Default: 0

ipv6-acl-line-cfg

Specification	Value
Type	*object*

ipv6-acl-line-max

Description Enter the number of ACL lines allowed (IPV6 ACL lines (default is max-value))

Type: number

Range: 0-16000

ipv6-acl-line-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-16000

Default: 0

static-neighbor-cfg

Specification	Value
Type	*object*

static-neighbor-max

Description Enter the number of static neighbor entries allowed (Static neighbors (default is max-value))

Type: number

Range: 0-128

static-neighbor-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-128

Default: 0

object-group-cfg

Specification	Value
Type	*object*

object-group-max

Description Enter the number of object groups allowed (Object group (default is max-value))

Type: number

Range: 0-8000

object-group-min-guarantee

Description Minimum guaranteed value (Minimum guaranteed value)

Type: number

Range: 0-8000

Default: 0

2.129.147 system resource-accounting template system-resources

Enter the system resource limits

system-resources Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system-resources
Element URI	/axapi/v3/system/resource-accounting/template/{name}/system-resources
Element Attributes	system-resources_attributes
Partition Visibility	shared
Schema	`system-resources schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-accounting/template/{name}/system-resources

system-resources attributes

```
POST /axapi/v3/system/resource-accounting/template/aa/system-resources
Payload:
{
    "system-resources": {
        "bw-limit-cfg": {
            "bw-limit-max": 10
        }
    }
}
```

Get Object

GET

/axapi/v3/system/resource-accounting/template/{name}/system-resources

system-resources attributes

```
GET /axapi/v3/system/resource-accounting/template/aa/system-resources
Reponse:
{
    "system-resources": {
        "bw-limit-cfg": {
            "bw-limit-max": 10,
            "bw-limit-watermark-disable": 0
        },
        "uuid": "2d52de2e-b71b-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/resource-accounting/template/aa/system-resources"
    }
}
```

Modify Object

POST

/axapi/v3/system/resource-accounting/template/{name}/system-resources

system-resources attributes

Replace Object

PUT

/axapi/v3/system/resource-accounting/template/{name}/system-resources

system-resources attributes

```
PUT /axapi/v3/system/resource-accounting/template/aa/system-resources
Payload:
```

(continues on next page)

(continued from previous page)

```
{
    "system-resources": {
        "bw-limit-cfg": {
            "bw-limit-max": 11
        }
    }
}
```

system-resources attributes

bw-limit-cfg

Description: bw-limit-cfg is a **JSON Block**. Please see below for *bw-limit-cfg*

Type: Object

concurrent-session-limit-cfg

Description: concurrent-session-limit-cfg is a **JSON Block**. Please see below for *concurrent-session-limit-cfg*

Type: Object

fwcps-limit-cfg

Description: fwcps-limit-cfg is a **JSON Block**. Please see below for *fwcps-limit-cfg*

Type: Object

l4-session-limit-cfg

Description: l4-session-limit-cfg is a **JSON Block**. Please see below for *l4-session-limit-cfg*

Type: Object

l4cps-limit-cfg

Description: l4cps-limit-cfg is a **JSON Block**. Please see below for *l4cps-limit-cfg*

Type: Object

l7cps-limit-cfg

Description: l7cps-limit-cfg is a **JSON Block**. Please see below for *l7cps-limit-cfg*

Type: Object

natcps-limit-cfg

Description: natcps-limit-cfg is a **JSON Block**. Please see below for *natcps-limit-cfg*

Type: Object

ssl-throughput-limit-cfg

Description: ssl-throughput-limit-cfg is a **JSON Block**. Please see below for *ssl-throughput-limit-cfg*

Type: Object

sslcps-limit-cfg

Description: sslcps-limit-cfg is a **JSON Block**. Please see below for *sslcps-limit-cfg*

Type: Object

threshold

Description Enter the threshold as a percentage (Threshold in percentage(default is 100%))

Type: number

Range: 1-99

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

l4-session-limit-cfg

Specification	Value
Type	*object*

l4-session-limit-max

Description Enter the l4 session limit in % (0.01% to 99.99%) (Enter a number from 0.01 to 99.99 (up to 2 digits precision))

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

l4-session-limit-min-guarantee

Description minimum guaranteed value in % (up to 2 digits precision) (Enter a number from 0 to 99.99)

Type: string

Maximum Length: 5 characters

Maximum Length: 1 characters

Default: 0

l7cps-limit-cfg

Specification	Value
Type	*object*

l7cps-limit-max

Description L7cps-limit (L7 cps limit (no limits applied by default))

Type: number

Range: 100-300000

l4cps-limit-cfg

Specification	Value
Type	*object*

l4cps-limit-max

Description Enter the L4 cps limit (L4 cps limit (no limits applied by default))

Type: number

Range: 100-1000000

natcps-limit-cfg

Specification	Value
Type	*object*

natcps-limit-max

Description Enter the Nat cps limit (NAT cps limit (no limits applied by default))

Type: number

Range: 100-1000000

sslcps-limit-cfg

Specification	Value
Type	*object*

sslcps-limit-max

Description Enter the SSL cps limit (SSL cps limit (no limits applied by default))

Type: number

Range: 100-300000

fwcps-limit-cfg

Specification	Value
Type	*object*

fwcps-limit-max

Description Enter the Firewall cps limit (Firewall cps limit (no limits applied by default))

Type: number

Range: 100-1000000

ssl-throughput-limit-cfg

Specification	Value
Type	*object*

ssl-throughput-limit-max

Description Enter the ssl throughput limit in mbps (SSL Througput limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

ssl-throughput-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

bw-limit-cfg

Specification	Value
Type	*object*

bw-limit-max

Description Enter the bandwidth limit in mbps (Bandwidth limit in Mbit/s (no limits applied by default))

Type: number

Range: 10-10000000

bw-limit-watermark-disable

Description Disable watermark (90% drop, keep existing sessions, drop new sessions)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

concurrent-session-limit-cfg

Specification	Value
Type	*object*

concurrent-session-limit-max

Description Enter the Concurrent Session limit (cps) (Concurrent-Session cps limit (no limits applied by default))

Type: number

2.129.148 system resource-usage

Configure System Resource Usage

resource-usage Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/system/resource-usage
Element Attributes	resource-usage_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/resource-usage/oper
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-usage

resource-usage attributes

```
POST /axapi/v3/system/resource-usage
Payload:
{
    "resource-usage": {
        "nat-pool-addr-count": 2000,
        "visibility": {
            "monitored-entity-count": 5000
        }
    }
}
```

Get Object

GET

/axapi/v3/system/resource-usage

resource-usage attributes

```
GET /axapi/v3/system/resource-usage
Reponse:
{
    "resource-usage": {
        "nat-pool-addr-count": 2000,
        "l4-session-count": 2097152,
        "auth-portal-html-file-size": 20,
        "auth-portal-image-file-size": 6,
        "max-aflex-file-size": 32,
        "aflex-table-entry-count": 102400,
        "class-list-ipv6-addr-count": 524288,
        "class-list-ac-entry-count": 65536,
        "class-list-entry-count": 4096000,
        "max-aflex-authz-collection-number": 512,
        "radius-table-size": 4000000,
        "authz-policy-number": 128,
        "ipsec-sa-number": 5000,
        "ram-cache-memory-limit": 4096,
        "auth-session-count": 209712,
        "ngwaf-cache-entry": 2400000,
        "uuid": "57398f3c-b6f6-11ef-b25f-ae71681635d0",
        "visibility": {
            "monitored-entity-count": 5000,
            "uuid": "57399126-b6f6-11ef-b25f-ae71681635d0",
            "a10-url": "/axapi/v3/system/resource-usage/visibility"
        },
        "a10-url": "/axapi/v3/system/resource-usage"
    }
}
```

Modify Object

POST

/axapi/v3/system/resource-usage

resource-usage attributes

Replace Object

PUT

/axapi/v3/system/resource-usage

resource-usage attributes

```
PUT /axapi/v3/system/resource-usage
Payload:
{
```

(continues on next page)

(continued from previous page)

```
    "resource-usage": {
        "nat-pool-addr-count": 2000,
        "visibility": {
            "monitored-entity-count": 5000
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/system/resource-usage

resource-usage attributes

```
DELETE /axapi/v3/system/resource-usage
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Changes will come into effect next time you reload the Software."
    }
}
```

resource-usage attributes

aflex-table-entry-count

Description Total aFleX table entry in the system (Total aFlex entry in the system)

Type: number

auth-portal-html-file-size

Description Specify maximum html file size for each html page in auth portal (in KB)

Type: number

Range: 4-120

Default: 20

auth-portal-image-file-size

Description Specify maximum image file size for default portal (in KB)

Type: number

Range: 1-80

Default: 6

auth-session-count

Description Total auth sessions in the system

Type: number

authz-policy-number

Description Specify the maximum number of authorization policies

Type: number

class-list-ac-entry-count

Description Total entries for AC class-list

Type: number

class-list-entry-count

Description Total entries for class-list

Type: number

class-list-ipv6-addr-count

Description Total IPv6 addresses for class-list

Type: number

ipsec-sa-number

Description Specify the maximum number of IPsec SA

Type: number

l4-session-count

Description Total Sessions in the System

Type: number

max-aflex-authz-collection-number

Description Specify the maximum number of collections supported by aFleX authorization

Type: number

Range: 256-4096

Default: 512

max-aflex-file-size

Description Set maximum aFleX file size (Maximum file size in KBytes, default is 32K)

Type: number

Range: 16-1024

Default: 32

nat-pool-addr-count

Description Total configurable NAT Pool addresses in the System

Type: number

ngwaf-cache-entry

Description Specify the maximum cache entries for NGWAF

Type: number

radius-table-size

Description Total configurable CGNV6 RADIUS Table entries

Type: number

ram-cache-memory-limit

Description Specify the maximum memory used by ram cache

Type: number

ssl-context-memory

Description Total SSL context memory needed in units of MB. Will be rounded to closest multiple of 2MB

Type: number

Range: 256-16384

Default: 2048

ssl-dma-memory

Description Total SSL DMA memory needed in units of MB. Will be rounded to closest multiple of 2MB

Type: number

Range: 32-2048

Default: 256

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

visibility

Description: visibility is a **JSON Block**. Please see below for *visibility*

Type: Object

Reference Object: */axapi/v3/system/resource-usage/visibility*

visibility

Specification	Value
Type	*object*

monitored-entity-count

Description Total number of monitored entities for visibility

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.149 system resource-usage oper

Operational Status for the object resource-usage

resource-usage Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	resource-usage
Element URI	/axapi/v3/system/resource-usage/oper
Element Attributes	resource-usage_attributes
Partition Visibility	None
Schema	`resource-usage schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-usage/oper

resource-usage attributes

Get Object

GET

/axapi/v3/system/resource-usage/oper

resource-usage attributes

Modify Object

POST

/axapi/v3/system/resource-usage/oper

resource-usage attributes

Replace Object

PUT

/axapi/v3/system/resource-usage/oper

resource-usage attributes

Delete Object

DELETE

/axapi/v3/system/resource-usage/oper

resource-usage attributes

resource-usage attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

aflex-authz-collection-number-cur

Description

Type: number

aflex-authz-collection-number-default

Description

Type: number

aflex-authz-collection-number-max

Description

Type: number

aflex-authz-collection-number-min

Description

Type: number

aflex-file-size-cur

Description

Type: number

aflex-file-size-default

Description

Type: number

aflex-file-size-max

Description

Type: number

aflex-file-size-min

Description

Type: number

aflex-table-entry-count-cur

Description

Type: number

aflex-table-entry-count-default

Description

Type: number

aflex-table-entry-count-max

Description

Type: number

aflex-table-entry-count-min

Description

Type: number

auth-portal-html-file-size-cur

Description

Type: number

auth-portal-html-file-size-default

Description

Type: number

auth-portal-html-file-size-max

Description

Type: number

auth-portal-html-file-size-min

Description

Type: number

auth-portal-image-file-size-cur

Description

Type: number

auth-portal-image-file-size-default

Description

Type: number

auth-portal-image-file-size-max

Description

Type: number

auth-portal-image-file-size-min

Description

Type: number

auth-session-count-cur

Description

Type: number

auth-session-count-default

Description

Type: number

auth-session-count-max

Description

Type: number

auth-session-count-min

Description

Type: number

authz-policy-number-cur

Description

Type: number

authz-policy-number-default

Description

Type: number

authz-policy-number-max

Description

Type: number

authz-policy-number-min

Description

Type: number

class-list-ac-cur

Description

Type: number

class-list-ac-default

Description

Type: number

class-list-ac-max

Description

Type: number

class-list-ac-min

Description

Type: number

class-list-entry-cur

Description

Type: number

class-list-entry-default

Description

Type: number

class-list-entry-max

Description

Type: number

class-list-entry-min

Description

Type: number

class-list-ipv6-addr-cur

Description

Type: number

class-list-ipv6-addr-default

Description

Type: number

class-list-ipv6-addr-max

Description

Type: number

class-list-ipv6-addr-min

Description

Type: number

ipsec-sa-number-cur

Description

Type: number

ipsec-sa-number-default

Description

Type: number

ipsec-sa-number-max

Description

Type: number

ipsec-sa-number-min

Description

Type: number

l4-session-count-cur

Description

Type: number

l4-session-count-default

Description

Type: number

l4-session-count-max

Description

Type: number

l4-session-count-min

Description

Type: number

nat-pool-addr-cur

Description

Type: number

nat-pool-addr-default

Description

Type: number

nat-pool-addr-max

Description

Type: number

nat-pool-addr-min

Description

Type: number

ngwaf-cache-entry-cur

Description

Type: number

ngwaf-cache-entry-default

Description

Type: number

ngwaf-cache-entry-max

Description

Type: number

ngwaf-cache-entry-min

Description

Type: number

radius-table-size-cur

Description

Type: number

radius-table-size-default

Description

Type: number

radius-table-size-max

Description

Type: number

radius-table-size-min

Description

Type: number

ram-cache-memory-limit-cur

Description

Type: number

ram-cache-memory-limit-default

Description

Type: number

ram-cache-memory-limit-max

Description

Type: number

ram-cache-memory-limit-min

Description

Type: number

visibility-mon-entity-cur

Description

Type: number

visibility-mon-entity-default

Description

Type: number

visibility-mon-entity-max

Description

Type: number

visibility-mon-entity-min

Description

Type: number

waf-template-cur

Description

Type: number

waf-template-default

Description

Type: number

waf-template-max

Description

Type: number

waf-template-min

Description

Type: number

2.129.150 system resource-usage visibility

Configure System Resource Usage for visibility

visibility Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	visibility
Element URI	/axapi/v3/system/resource-usage/visibility
Element Attributes	visibility_attributes
Partition Visibility	shared
Schema	`visibility schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/resource-usage/visibility

visibility attributes

```
POST /axapi/v3/system/resource-usage/visibility
Payload:
{
    "visibility": {
        "monitored-entity-count": 1520
    }
}
```

Get Object

GET

/axapi/v3/system/resource-usage/visibility

visibility attributes

Modify Object

POST

/axapi/v3/system/resource-usage/visibility

visibility attributes

Replace Object

PUT

/axapi/v3/system/resource-usage/visibility

visibility attributes

Delete Object

DELETE

/axapi/v3/system/resource-usage/visibility

visibility attributes

visibility attributes

monitored-entity-count

Description Total number of monitored entities for visibility

Type: number

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.151 system session

Session Entries

session Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	session
Element URI	/axapi/v3/system/session
Element Attributes	session_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/session/stats
Operational Data URI	/axapi/v3/system/session/oper
Schema	`session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/session

session attributes

```
POST /axapi/v3/system/session
Payload:
{
    "session": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/session

session attributes

```
GET /axapi/v3/system/session
Reponse:
{
    "session": {
        "uuid": "573a75c8-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/session"
    }
}
```

Modify Object

POST

/axapi/v3/system/session

session attributes

Replace Object

PUT

/axapi/v3/system/session

session attributes

```
PUT /axapi/v3/system/session
Payload:
{
    "session": {
        "sampling-enable": [
            {
                "counters1": "total_l4_conn"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/session

session attributes

```
DELETE /axapi/v3/system/session
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

session attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'total_l4_conn': Total L4 Count; 'conn_counter': Conn Count; 'conn_freed_counter': Conn Freed; 'total_l4_packet_count': Total L4 Packet Count; 'total_l7_packet_count': Total L7 Packet Count; 'total_l4_conn_proxy': Total L4 Conn Proxy Count; 'total_l7_conn': Total L7 Conn; 'total_tcp_conn': Total TCP Conn; 'curr_free_conn': Curr Free Conn; 'tcp_est_counter': TCP Established; 'tcp_half_open_counter': TCP Half Open; 'tcp_half_close_counter': TCP Half Closed; 'udp_counter': UDP Count; 'ip_counter': IP Count; 'other_counter': Non TCP/UDP IP sessions; 'reverse_nat_tcp_counter': Reverse NAT TCP; 'reverse_nat_udp_counter': Reverse NAT UDP; 'tcp_syn_half_open_counter': TCP SYN Half Open; 'conn_smp_alloc_counter': Conn SMP Alloc; 'conn_smp_free_counter': Conn SMP Free; 'conn_smp_aged_counter': Conn SMP Aged; 'ssl_count_curr': Curr SSL Count; 'ssl_count_total': Total SSL Count; 'server_ssl_count_curr': Current SSL Server Count; 'server_ssl_count_total': Total SSL Server Count; 'client_ssl_reuse_total': Total SSL Client Reuse; 'server_ssl_reuse_total': Total SSL Server Reuse; 'ssl_failed_total': Total SSL Failures; 'ssl_failed_ca_verification': SSL Cert Auth Verification Errors; 'ssl_server_cert_error': SSL Server Cert Errors; 'ssl_client_cert_auth_fail': SSL Client Cert Auth Failures; 'total_ip_nat_conn': Total IP Nat Conn; 'total_l2l3_conn': Totl L2/L3 Connections; 'client_ssl_ctx_malloc_failure': Client SSL Ctx malloc Failures; 'conn_type_0_available': Conn Type 0 Available; 'conn_type_1_available': Conn Type 1 Available; 'conn_type_2_available': Conn Type 2 Available; 'conn_type_3_available': Conn Type 3 Available; 'conn_type_4_available': Conn Type 4 Available; 'conn_smp_type_0_available': Conn SMP Type 0 Available; 'conn_smp_type_1_available': Conn SMP Type 1 Available; 'conn_smp_type_2_available': Conn SMP Type 2 Available; 'conn_smp_type_3_available': Conn SMP Type 3 Available; 'conn_smp_type_4_available': Conn SMP Type 4 Available; 'sctp-half-open-counter': SCTP Half Open; 'sctp-est-counter': SCTP Established; 'nonssl_bypass': NON SSL Bypass Count; 'ssl_failsafe_total': Total SSL Failsafe Count; 'ssl_forward_proxy_failed_handshake_total': Total SSL Forward Proxy Failed Handshake Count; 'ssl_forward_proxy_failed_tcp_total': Total SSL Forward Proxy Failed TCP Count; 'ssl_forward_proxy_failed_crypto_total': Total SSL Forward Proxy Failed Crypto Count; 'ssl_forward_proxy_failed_cert_verify_total': Total SSL Forward Proxy Failed Certificate Verification Count; 'ssl_forward_proxy_invalid_ocsp_stapling_total': Total SSL Forward Proxy Invalid OCSP Stapling Count; 'ssl_forward_proxy_revoked_ocsp_total': Total SSL Forward Proxy Revoked OCSP Response Count; 'ssl_forward_proxy_failed_cert_signing_total': Total SSL Forward Proxy Failed Certificate Signing Count; 'ssl_forward_proxy_failed_ssl_version_total': Total SSL Forward Proxy Unsupported version Count; 'ssl_forward_proxy_sni_bypass_total': Total SSL Forward Proxy SNI Bypass Count; 'ssl_forward_proxy_client_auth_bypass_total': Total SSL Forward Proxy Client Auth Bypass Count; 'conn_app_smp_alloc_counter': Conn APP SMP Alloc; 'diameter_conn_counter': Diameter Conn Count; 'diameter_conn_freed_counter': Diameter Conn Freed; 'debug_tcp_counter': Hidden TCP sessions for CGNv6 Stateless Technologies; 'debug_udp_counter': Hidden UDP sessions for CGNv6 Stateless Technologies; 'total_fw_conn': Total Firewall Conn; 'total_local_conn': Total Local Conn; 'total_curr_conn': Total Curr Conn; 'client_ssl_fatal_alert': client ssl fatal alert; 'client_ssl_fin_rst': client ssl fin rst; 'fp_session_fin_rst': FP Session FIN/RST; 'server_ssl_fatal_alert': server ssl fatal alert; 'server_ssl_fin_rst': server ssl fin rst; 'client_template_int_err': client tem-

plate internal error; 'client_template_unknown_err': client template unknown error; 'server_template_int_err': server template int error; 'server_template_unknown_err': server template unknown error; 'total_debug_conn': Total Debug Conn; 'ssl_forward_proxy_failed_aflex_total': Total SSL Forward Proxy AFLEX Count; 'ssl_forward_proxy_cert_subject_bypass_total': Total SSL Forward Proxy Certificate Subject Bypass Count; 'ssl_forward_proxy_cert_issuer_bypass_total': Total SSL Forward Proxy Certificate Issuer Bypass Count; 'ssl_forward_proxy_cert_san_bypass_total': Total SSL Forward Proxy Certificate SAN Bypass Count; 'ssl_forward_proxy_no_sni_bypass_total': Total SSL Forward Proxy No SNI Bypass Count; 'ssl_forward_proxy_no_sni_reset_total': Total SSL Forward Proxy No SNI reset Count; 'ssl_forward_proxy_username_bypass_total': Total SSL Forward Proxy Username Bypass Count; 'ssl_forward_proxy_ad_grpup_bypass_total': Total SSL Forward Proxy AD-Group Bypass Count; 'diameter_concurrent_user_sessions_counter': Diameter Concurrent User-Sessions; 'client_ssl_session_ticket_reuse_total': Total SSL Client Session Ticket Reuse; 'server_ssl_session_ticket_reuse_total': Total SSL Server Session Ticket Reuse; 'total_clientside_early_data_connections': Total clientside early data connections; 'total_serverside_early_data_connections': Total serverside early data connections; 'total_clientside_failed_early_data-connections': Total clientside failed early data connections; 'total_serverside_failed_early_data-connections': Total serverside failed early data connections; 'ssl_forward_proxy_esni_bypass_total': Total SSL Forward Proxy ESNI Bypass Count; 'ssl_forward_proxy_esni_reset_total': Total SSL Forward Proxy ESNI Drop Count; 'total_logging_conn': Total Logging Conn; 'gtp_c_est_counter': GTP-C Established; 'gtp_c_half_open_counter': GTP-C Half Open; 'gtp_u_counter': GTP-U Count; 'gtp_c_echo_counter': GTP-C Echo Count; 'gtp_u_echo_counter': GTP-U Echo Count; 'gtp_curr_free_conn': GTP Current Available Conn; 'gtp_cum_conn_counter': GTP cumulative Conn Count; 'gtp_cum_conn_freed_counter': GTP cumulative Conn Freed; 'fw_blacklist_sess': Blacklist Sessions; 'fw_blacklist_sess_created': Blacklist Session Created; 'fw_blacklist_sess_freed': Blacklist Session Freed; 'server_tcp_est_counter': Server TCP Established; 'server_tcp_half_open_counter': Server TCP Half Open;

Type: string

Supported Values: all, total_l4_conn, conn_counter, conn_freed_counter, total_l4_packet_count, total_l7_packet_count, total_l4_conn_proxy, total_l7_conn, total_tcp_conn, curr_free_conn, tcp_est_counter, tcp_half_open_counter, tcp_half_close_counter, udp_counter, ip_counter, other_counter, reverse_nat_tcp_counter, reverse_nat_udp_counter, tcp_syn_half_open_counter, conn_smp_alloc_counter, conn_smp_free_counter, conn_smp_aged_counter, ssl_count_curr, ssl_count_total, server_ssl_count_curr, server_ssl_count_total, client_ssl_reuse_total, server_ssl_reuse_total, ssl_failed_total, ssl_failed_ca_verification, ssl_server_cert_error, ssl_client_cert_auth_fail, total_ip_nat_conn, total_l2l3_conn, client_ssl_ctx_malloc_failure, conn_type_0_available, conn_type_1_available, conn_type_2_available, conn_type_3_available, conn_type_4_available, conn_smp_type_0_available, conn_smp_type_1_available, conn_smp_type_2_available, conn_smp_type_3_available, conn_smp_type_4_available, sctp-half-open-counter, sctp-est-counter, nonssl_bypass, ssl_failsafe_total, ssl_forward_proxy_failed_handshake_total, ssl_forward_proxy_failed_tcp_total, ssl_forward_proxy_failed_crypto_total, ssl_forward_proxy_failed_cert_verify_total, ssl_forward_proxy_invalid_ocsp_stapling_total, ssl_forward_proxy_revoked_ocsp_total, ssl_forward_proxy_failed_cert_signing_total, ssl_forward_proxy_failed_ssl_version_total, ssl_forward_proxy_sni_bypass_total, ssl_forward_proxy_client_auth_bypass_total, conn_app_smp_alloc_counter, diameter_conn_counter, diameter_conn_freed_counter, debug_tcp_counter, debug_udp_counter, total_fw_conn, total_local_conn, total_curr_conn, client_ssl_fatal_alert, client_ssl_fin_rst, fp_session_fin_rst, server_ssl_fatal_alert, server_ssl_fin_rst, client_template_int_err, client_template_unknown_err, server_template_int_err, server_template_unknown_err, total_debug_conn, ssl_forward_proxy_failed_aflex_total,

ssl_forward_proxy_cert_subject_bypass_total, ssl_forward_proxy_cert_issuer_bypass_total, ssl_forward_proxy_cert_san_bypass_total, ssl_forward_proxy_no_sni_bypass_total, ssl_forward_proxy_no_sni_reset_total, ssl_forward_proxy_username_bypass_total, ssl_forward_proxy_ad_grpup_bypass_total, diameter_concurrent_user_sessions_counter, client_ssl_session_ticket_reuse_total, server_ssl_session_ticket_reuse_total, total_clientside_early_data_connections, total_serverside_early_data_connections, total_clientside_failed_early_data-connections, total_serverside_failed_early_data-connections, ssl_forward_proxy_esni_bypass_total, ssl_forward_proxy_esni_reset_total, total_logging_conn, gtp_c_est_counter, gtp_c_half_open_counter, gtp_u_counter, gtp_c_echo_counter, gtp_u_echo_counter, gtp_curr_free_conn, gtp_cum_conn_counter, gtp_cum_conn_freed_counter, fw_blacklist_sess, fw_blacklist_sess_created, fw_blacklist_sess_freed, server_tcp_est_counter, server_tcp_half_open_counter, sched_conn_with_wrong_next_idx_to_rml, free_conn_not_in_sp, total_system_sessions

2.129.152 system session oper

Operational Status for the object session

session Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	session
Element URI	/axapi/v3/system/session/oper
Element Attributes	session_attributes
Partition Visibility	None
Schema	`session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/session/oper

session attributes

Get Object

GET

/axapi/v3/system/session/oper

session attributes

Modify Object

POST

/axapi/v3/system/session/oper

session attributes

Replace Object

PUT

/axapi/v3/system/session/oper

session attributes

Delete Object

DELETE

/axapi/v3/system/session/oper

session attributes

session attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

all

Description

Type: boolean

Supported Values: true, false, 1, 0

dest-port

Description

Type: number

dest-v4-addr

Description

Type: string

Format: ipv4-address

dest-v6-addr

Description

Type: string

Format: ipv6-address

filter-name

Description

Type: string

fw

Description

Type: boolean

Supported Values: true, false, 1, 0

fw-ipv4

Description

Type: boolean

Supported Values: true, false, 1, 0

fw-ipv6

Description

Type: boolean

Supported Values: true, false, 1, 0

helper-sessions

Description

Type: boolean

Supported Values: true, false, 1, 0

ipv4

Description

Type: boolean

Supported Values: true, false, 1, 0

ipv6

Description

Type: boolean

Supported Values: true, false, 1, 0

persist

Description

Type: boolean

Supported Values: true, false, 1, 0

persist-dest-port

Description

Type: number

persist-dest-v4-addr

Description

Type: string

Format: ipv4-address

persist-dest-v6-addr

Description

Type: string

Format: ipv6-address

persist-ipv6

Description

Type: boolean

Supported Values: true, false, 1, 0

persist-ipv6-type

Description

Type: string

persist-source-port

Description

Type: number

persist-source-v4-addr

Description

Type: string

Format: ipv4-address

persist-source-v6-addr

Description

Type: string

Format: ipv6-address

persist-type

Description

Type: string

persist-v6-dest-addr

Description

Type: string

Format: ipv6-address

persist-v6-dest-port

Description

Type: number

persist-v6-source-addr

Description

Type: string

Format: ipv6-address

persist-v6-source-port

Description

Type: number

sip

Description

Type: boolean

Supported Values: true, false, 1, 0

sip-dest-port

Description

Type: number

sip-dest-v4-addr

Description

Type: string

Format: ipv4-address

sip-dest-v6-addr

Description

Type: string

Format: ipv6-address

sip-source-port

Description

Type: number

sip-source-v4-addr

Description

Type: string

Format: ipv4-address

sip-source-v6-addr

Description

Type: string

Format: ipv6-address

source-port

Description

Type: number

source-v4-addr

Description

Type: string

Format: ipv4-address

source-v6-addr

Description

Type: string

Format: ipv6-address

uie

Description

Type: boolean

Supported Values: true, false, 1, 0

v6-dest-port

Description

Type: number

v6-source-port

Description

Type: number

2.129.153 system session-reclaim-limit

Set limits for smp session reclaim

session-reclaim-limit Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	session-reclaim-limit
Element URI	/axapi/v3/system/session-reclaim-limit
Element Attributes	session-reclaim-limit_attributes
Partition Visibility	shared
Schema	`session-reclaim-limit schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

```
POST /axapi/v3/system/session-reclaim-limit
Payload:
{
    "session-reclaim-limit": {
        "nscan-limit": 1
    }
}
```

Get Object

GET

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

```
GET /axapi/v3/system/session-reclaim-limit
Reponse:
{
    "session-reclaim-limit": {
        "nscan-limit": 1,
        "scan-freq": 5,
        "uuid": "5739a526-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/session-reclaim-limit"
    }
}
```

Modify Object

POST

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

Replace Object

PUT

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

```
PUT /axapi/v3/system/session-reclaim-limit
Payload:
{
    "session-reclaim-limit": {
        "nscan-limit": 2
    }
}
```

Delete Object

DELETE

/axapi/v3/system/session-reclaim-limit

session-reclaim-limit attributes

```
DELETE /axapi/v3/system/session-reclaim-limit
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

session-reclaim-limit attributes

nscan-limit

Description smp session scan limit (number of smp sessions per scan)

Type: number

Range: 1-20480

Default: 4096

scan-freq

Description smp session scan frequency (scan per second)

Type: number

Range: 5-50

Default: 5

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.154 system session stats

Statistics for the object session

session Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	session
Element URI	/axapi/v3/system/session/stats
Element Attributes	session_attributes
Partition Visibility	None
Schema	`session schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/session/stats

session attributes

Get Object

GET

/axapi/v3/system/session/stats

session attributes

Modify Object

POST

/axapi/v3/system/session/stats

session attributes

Replace Object

PUT

/axapi/v3/system/session/stats

session attributes

Delete Object

DELETE

/axapi/v3/system/session/stats

session attributes

session attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

client_ssl_fatal_alert

Description client ssl fatal alert

Type: number

Format: counter

client_ssl_fin_rst

Description client ssl fin rst

Type: number

Format: counter

client_ssl_reuse_total

Description Total SSL Client Reuse

Type: number

Format: counter

client_ssl_session_ticket_reuse_total

Description Total SSL Client Session Ticket Reuse

Type: number

Format: counter

client_template_int_err

Description client template internal error

Type: number

Format: counter

client_template_unknown_err

Description client template unknown error

Type: number

Format: counter

conn_app_smp_alloc_counter

Description Conn APP SMP Alloc

Type: number

Format: counter

conn_counter

Description Conn Count

Type: number

Format: counter

conn_freed_counter

Description Conn Freed

Type: number

Format: counter

conn_smp_aged_counter

Description Conn SMP Aged

Type: number

Format: counter

conn_smp_alloc_counter

Description Conn SMP Alloc

Type: number

Format: counter

conn_smp_free_counter

Description Conn SMP Free

Type: number

Format: counter

conn_smp_type_0_available

Description Conn SMP Type 0 Available

Type: number

Format: counter

conn_smp_type_1_available

Description Conn SMP Type 1 Available

Type: number

Format: counter

conn_smp_type_2_available

Description Conn SMP Type 2 Available

Type: number

Format: counter

conn_smp_type_3_available

Description Conn SMP Type 3 Available

Type: number

Format: counter

conn_smp_type_4_available

Description Conn SMP Type 4 Available

Type: number

Format: counter

conn_type_0_available

Description Conn Type 0 Available

Type: number

Format: counter

conn_type_1_available

Description Conn Type 1 Available

Type: number

Format: counter

conn_type_2_available

Description Conn Type 2 Available

Type: number

Format: counter

conn_type_3_available

Description Conn Type 3 Available

Type: number

Format: counter

conn_type_4_available

Description Conn Type 4 Available

Type: number

Format: counter

curr_free_conn

Description Curr Free Conn

Type: number

Format: counter

diameter_concurrent_user_sessions_counter

Description Diameter Concurrent User-Sessions

Type: number

Format: counter

diameter_conn_counter

Description Diameter Conn Count

Type: number

Format: counter

diameter_conn_freed_counter

Description Diameter Conn Freed

Type: number

Format: counter

fp_session_fin_rst

Description FP Session FIN/RST

Type: number

Format: counter

fw_blacklist_sess

Description Blacklist Sessions

Type: number

Format: counter

fw_blacklist_sess_created

Description Blacklist Session Created

Type: number

Format: counter

fw_blacklist_sess_freed

Description Blacklist Session Freed

Type: number

Format: counter

gtp_c_echo_counter

Description GTP-C Echo Count

Type: number

Format: counter

gtp_c_est_counter

Description GTP-C Established

Type: number

Format: counter

gtp_c_half_open_counter

Description GTP-C Half Open

Type: number

Format: counter

gtp_cum_conn_counter

Description GTP cumulative Conn Count

Type: number

Format: counter

gtp_cum_conn_freed_counter

Description GTP cumulative Conn Freed

Type: number

Format: counter

gtp_curr_free_conn

Description GTP Current Available Conn

Type: number

Format: counter

gtp_u_counter

Description GTP-U Count

Type: number

Format: counter

gtp_u_echo_counter

Description GTP-U Echo Count

Type: number

Format: counter

ip_counter

Description IP Count

Type: number

Format: counter

other_counter

Description Non TCP/UDP IP sessions

Type: number

Format: counter

reverse_nat_tcp_counter

Description Reverse NAT TCP

Type: number

Format: counter

reverse_nat_udp_counter

Description Reverse NAT UDP

Type: number

Format: counter

sctp-est-counter

Description SCTP Established

Type: number

Format: counter

sctp-half-open-counter

Description SCTP Half Open

Type: number

Format: counter

server_ssl_count_curr

Description Current SSL Server Count

Type: number

Format: counter

server_ssl_count_total

Description Total SSL Server Count

Type: number

Format: counter

server_ssl_fatal_alert

Description server ssl fatal alert

Type: number

Format: counter

server_ssl_fin_rst

Description server ssl fin rst

Type: number

Format: counter

server_ssl_reuse_total

Description Total SSL Server Reuse

Type: number

Format: counter

server_ssl_session_ticket_reuse_total

Description Total SSL Server Session Ticket Reuse

Type: number

Format: counter

server_tcp_est_counter

Description Server TCP Established

Type: number

Format: counter

server_tcp_half_open_counter

Description Server TCP Half Open

Type: number

Format: counter

server_template_int_err

Description server template int error

Type: number

Format: counter

server_template_unknown_err

Description server template unknown error

Type: number

Format: counter

ssl_count_curr

Description Curr SSL Count

Type: number

Format: counter

ssl_count_total

Description Total SSL Count

Type: number

Format: counter

tcp_est_counter

Description TCP Established

Type: number

Format: counter

tcp_half_close_counter

Description TCP Half Closed

Type: number

Format: counter

tcp_half_open_counter

Description TCP Half Open

Type: number

Format: counter

tcp_syn_half_open_counter

Description TCP SYN Half Open

Type: number

Format: counter

total_clientside_early_data_connections

Description Total clientside early data connections

Type: number

Format: counter

total_clientside_failed_early_data-connections

Description Total clientside failed early data connections

Type: number

Format: counter

total_curr_conn

Description Total Curr Conn

Type: number

Format: counter

total_fw_conn

Description Total Firewall Conn

Type: number

Format: counter

total_ip_nat_conn

Description Total IP Nat Conn

Type: number

Format: counter

total_l2l3_conn

Description Totl L2/L3 Connections

Type: number

Format: counter

total_l4_conn

Description Total L4 Count

Type: number

Format: counter

total_l4_conn_proxy

Description Total L4 Conn Proxy Count

Type: number

Format: counter

total_l4_packet_count

Description Total L4 Packet Count

Type: number

Format: counter

total_l7_conn

Description Total L7 Conn

Type: number

Format: counter

total_l7_packet_count

Description Total L7 Packet Count

Type: number

Format: counter

total_local_conn

Description Total Local Conn

Type: number

Format: counter

total_logging_conn

Description Total Logging Conn

Type: number

Format: counter

total_serverside_early_data_connections

Description Total serverside early data connections

Type: number

Format: counter

total_serverside_failed_early_data-connections

Description Total serverside failed early data connections

Type: number

Format: counter

total_tcp_conn

Description Total TCP Conn

Type: number

Format: counter

udp_counter

Description UDP Count

Type: number

Format: counter

2.129.155 system set-tcp-syn-per-sec

Configure tcp syn per sec

set-tcp-syn-per-sec Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	set-tcp-syn-per-sec
Element URI	/axapi/v3/system/set-tcp-syn-per-sec
Element Attributes	set-tcp-syn-per-sec_attributes
Partition Visibility	shared
Schema	`set-tcp-syn-per-sec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

```
POST /axapi/v3/system/set-tcp-syn-per-sec
Payload:
{
    "set-tcp-syn-per-sec": {
        "tcp-syn-value": 25
    }
}
```

Get Object

GET

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

```
GET /axapi/v3/system/set-tcp-syn-per-sec
Reponse:
{
    "set-tcp-syn-per-sec": {
        "tcp-syn-value": 25,
        "uuid": "57392f92-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/set-tcp-syn-per-sec"
    }
}
```

Modify Object

POST

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

Replace Object

PUT

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

```
PUT /axapi/v3/system/set-tcp-syn-per-sec
Payload:
{
    "set-tcp-syn-per-sec": {
        "tcp-syn-value": 25
    }
}
```

Delete Object

DELETE

/axapi/v3/system/set-tcp-syn-per-sec

set-tcp-syn-per-sec attributes

```
DELETE /axapi/v3/system/set-tcp-syn-per-sec
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

set-tcp-syn-per-sec attributes

tcp-syn-value

Description Configure Tcp SYN's per sec, default 70

Type: number

Range: 25-6000

Default: 70

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.156 system shell-privileges

Configuration for special shell privileges

shell-privileges Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	shell-privileges
Element URI	/axapi/v3/system/shell-privileges
Element Attributes	shell-privileges_attributes
Partition Visibility	shared
Schema	`shell-privileges schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/shell-privileges

shell-privileges attributes

Get Object

GET

/axapi/v3/system/shell-privileges

shell-privileges attributes

Modify Object

POST

/axapi/v3/system/shell-privileges

shell-privileges attributes

Replace Object

PUT

/axapi/v3/system/shell-privileges

shell-privileges attributes

Delete Object

DELETE

/axapi/v3/system/shell-privileges

shell-privileges attributes

shell-privileges attributes

enable-shell-privileges

Description enable the shell privileges for a given customer

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.157 system shm-logging

Configure shared memory logging

shm-logging Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	shm-logging
Element URI	/axapi/v3/system/shm-logging
Element Attributes	shm-logging_attributes
Partition Visibility	shared
Schema	`shm-logging schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/shm-logging

shm-logging attributes

Get Object

GET

/axapi/v3/system/shm-logging

shm-logging attributes

Modify Object

POST

/axapi/v3/system/shm-logging

shm-logging attributes

Replace Object

PUT

/axapi/v3/system/shm-logging

shm-logging attributes

Delete Object

DELETE

/axapi/v3/system/shm-logging

shm-logging attributes

shm-logging attributes

enable

Description Enable shared memory based logging

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.158 system shutdown oper

Operational Status for the object shutdown

shutdown Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	shutdown
Element URI	/axapi/v3/system/shutdown/oper
Element Attributes	shutdown_attributes
Partition Visibility	None
Schema	`shutdown schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/shutdown/oper

shutdown attributes

Get Object

GET

/axapi/v3/system/shutdown/oper

shutdown attributes

Modify Object

POST

/axapi/v3/system/shutdown/oper

shutdown attributes

Replace Object

PUT

/axapi/v3/system/shutdown/oper

shutdown attributes

Delete Object

DELETE

/axapi/v3/system/shutdown/oper

shutdown attributes

shutdown attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

boot-now

Description

Type: number

boot-scheduled

Description

Type: number

epoch-time

Description

Type: string

hostname

Description

Type: string

hour

Description

Type: string

min

Description

Type: string

reason

Description

Type: string

Format: string-rlx

uname

Description

Type: string

2.129.159 system software-tcam

Configure software TCAM

software-tcam Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	software-tcam
Element URI	/axapi/v3/system/software-tcam
Element Attributes	software-tcam_attributes
Partition Visibility	shared
Schema	`software-tcam schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/software-tcam

software-tcam attributes

Get Object

GET

/axapi/v3/system/software-tcam

software-tcam attributes

Modify Object

POST

/axapi/v3/system/software-tcam

software-tcam attributes

Replace Object

PUT

/axapi/v3/system/software-tcam

software-tcam attributes

Delete Object

DELETE

/axapi/v3/system/software-tcam

software-tcam attributes

software-tcam attributes

enable

Description Enable software TCAM

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.160 system spe-status oper

Operational Status for the object spe-status

spe-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	spe-status
Element URI	/axapi/v3/system/spe-status/oper
Element Attributes	spe-status_attributes
Partition Visibility	None
Schema	`spe-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/spe-status/oper

spe-status attributes

Get Object

GET

/axapi/v3/system/spe-status/oper

spe-status attributes

Modify Object

POST

/axapi/v3/system/spe-status/oper

spe-status attributes

Replace Object

PUT

/axapi/v3/system/spe-status/oper

spe-status attributes

Delete Object

DELETE

/axapi/v3/system/spe-status/oper

spe-status attributes

spe-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

enable

Description

Type: string

ipv4_allowed

Description

Type: number

ipv6_allowed

Description

Type: number

spe-profile

Description

Type: string

spe-setup-status

Description

Type: string

2.129.161 system ssl-req-q

System SSL Request Queue statistics

ssl-req-q Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-req-q
Element URI	/axapi/v3/system/ssl-req-q
Element Attributes	ssl-req-q_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/ssl-req-q/stats
Schema	`ssl-req-q schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

```
POST /axapi/v3/system/ssl-req-q
Payload:
{
    "ssl-req-q": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

```
GET /axapi/v3/system/ssl-req-q
Reponse:
{
    "ssl-req-q": {
        "uuid": "573a6268-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
```

(continues on next page)

(continued from previous page)

```
            }
        ],
        "a10-url": "/axapi/v3/system/ssl-req-q"
    }
}
```

Modify Object

POST

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

Replace Object

PUT

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

```
PUT /axapi/v3/system/ssl-req-q
Payload:
{
    "ssl-req-q": {
        "sampling-enable": [
            {
                "counters1": "num-ssl-queues"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ssl-req-q

ssl-req-q attributes

```
DELETE /axapi/v3/system/ssl-req-q
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ssl-req-q attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'num-ssl-queues': some help string; 'ssl-req-q-depth-tot': some help string; 'ssl-req-q-inuse-tot': some help string; 'ssl-hw-q-depth-tot': some help string; 'ssl-hw-q-inuse-tot': some help string;

Type: string

Supported Values: all, num-ssl-queues, ssl-req-q-depth-tot, ssl-req-q-inuse-tot, ssl-hw-q-depth-tot, ssl-hw-q-inuse-tot

2.129.162 system ssl-req-q stats

Statistics for the object ssl-req-q

ssl-req-q Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-req-q
Element URI	/axapi/v3/system/ssl-req-q/stats
Element Attributes	ssl-req-q_attributes
Partition Visibility	None
Schema	`ssl-req-q schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-req-q/stats

ssl-req-q attributes

Get Object

GET

/axapi/v3/system/ssl-req-q/stats

ssl-req-q attributes

Modify Object

POST

/axapi/v3/system/ssl-req-q/stats

ssl-req-q attributes

Replace Object

PUT

/axapi/v3/system/ssl-req-q/stats

ssl-req-q attributes

Delete Object

DELETE

/axapi/v3/system/ssl-req-q/stats

ssl-req-q attributes

ssl-req-q attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

num-ssl-queues

Description some help string

Type: number

Format: counter

ssl-hw-q-depth-tot

Description some help string

Type: number

Format: counter

ssl-hw-q-inuse-tot

Description some help string

Type: number

Format: counter

ssl-req-q-depth-tot

Description some help string

Type: number

Format: counter

ssl-req-q-inuse-tot

Description some help string

Type: number

Format: counter

2.129.163 system ssl-scv

To Enable/disable SSL connection server certificate validation

ssl-scv Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-scv
Element URI	/axapi/v3/system/ssl-scv
Element Attributes	ssl-scv_attributes
Partition Visibility	shared
Schema	`ssl-scv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-scv

ssl-scv attributes

```
POST /axapi/v3/system/ssl-scv
Payload:
{
    "ssl-scv": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/ssl-scv

ssl-scv attributes

Modify Object

POST

/axapi/v3/system/ssl-scv

ssl-scv attributes

Replace Object

PUT

/axapi/v3/system/ssl-scv

ssl-scv attributes

Delete Object

DELETE

/axapi/v3/system/ssl-scv

ssl-scv attributes

ssl-scv attributes

enable

Description Enable server certificate validation for all SSL connections

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.164 system ssl-scv-verify-crl-sign

To Enable/disable verifying CRL signature during server certificate validation

ssl-scv-verify-crl-sign Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-scv-verify-crl-sign
Element URI	/axapi/v3/system/ssl-scv-verify-crl-sign
Element Attributes	ssl-scv-verify-crl-sign_attributes
Partition Visibility	shared
Schema	`ssl-scv-verify-crl-sign schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

```
POST /axapi/v3/system/ssl-scv-verify-crl-sign
Payload:
{
    "ssl-scv-verify-crl-sign": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

Modify Object

POST

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

Replace Object

PUT

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

Delete Object

DELETE

/axapi/v3/system/ssl-scv-verify-crl-sign

ssl-scv-verify-crl-sign attributes

ssl-scv-verify-crl-sign attributes

enable

Description Enable verify CRL signature during SCV

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.165 system ssl-scv-verify-host

To Enable/disable checking claimed identity in server certificate during server certificate validation

ssl-scv-verify-host Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-scv-verify-host
Element URI	/axapi/v3/system/ssl-scv-verify-host
Element Attributes	ssl-scv-verify-host_attributes
Partition Visibility	shared
Schema	`ssl-scv-verify-host schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

```
POST /axapi/v3/system/ssl-scv-verify-host
Payload:
{
    "ssl-scv-verify-host": {
        "disable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

Modify Object

POST

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

Replace Object

PUT

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

Delete Object

DELETE

/axapi/v3/system/ssl-scv-verify-host

ssl-scv-verify-host attributes

ssl-scv-verify-host attributes

disable

Description Disable verify host during SCV

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.166 system ssl-set-compatible-cipher

To Enable/disable setting common cipher suite for SSL connections in management plane

ssl-set-compatible-cipher Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-set-compatible-cipher
Element URI	/axapi/v3/system/ssl-set-compatible-cipher
Element Attributes	ssl-set-compatible-cipher_attributes
Partition Visibility	shared
Schema	`ssl-set-compatible-cipher schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

```
POST /axapi/v3/system/ssl-set-compatible-cipher
Payload:
{
    "ssl-set-compatible-cipher": {
        "disable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

Modify Object

POST

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

Replace Object

PUT

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

Delete Object

DELETE

/axapi/v3/system/ssl-set-compatible-cipher

ssl-set-compatible-cipher attributes

ssl-set-compatible-cipher attributes

disable

Description Disable setting common cipher suite in management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.167 system ssl-status oper

Operational Status for the object ssl-status

ssl-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ssl-status
Element URI	/axapi/v3/system/ssl-status/oper
Element Attributes	ssl-status_attributes
Partition Visibility	None
Schema	`ssl-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ssl-status/oper

ssl-status attributes

Get Object

GET

/axapi/v3/system/ssl-status/oper

ssl-status attributes

Modify Object

POST

/axapi/v3/system/ssl-status/oper

ssl-status attributes

Replace Object

PUT

/axapi/v3/system/ssl-status/oper

ssl-status attributes

Delete Object

DELETE

/axapi/v3/system/ssl-status/oper

ssl-status attributes

ssl-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

crypto-support

Description

Type: string

enable

Description

Type: string

num_aes

Description

Type: number

num_chip

Description

Type: number

ssl-setup-status

Description

Type: string

2.129.168 system table-integrity

Table integrity for multi-processing unit devices

table-integrity Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	table-integrity
Element URI	/axapi/v3/system/table-integrity
Element Attributes	table-integrity_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/table-integrity/stats
Schema	`table-integrity schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/table-integrity

table-integrity attributes

```
POST /axapi/v3/system/table-integrity
Payload:
{
    "table-integrity": {
        "audit-action": "enable",
        "table": "all",
        "auto-sync-action": "enable"
    }
}
```

Get Object

GET

/axapi/v3/system/table-integrity

table-integrity attributes

Modify Object

POST

/axapi/v3/system/table-integrity

table-integrity attributes

Replace Object

PUT

/axapi/v3/system/table-integrity

table-integrity attributes

Delete Object

DELETE

/axapi/v3/system/table-integrity

table-integrity attributes

table-integrity attributes

audit-action

Description 'enable': Enable table integrity audit; 'disable': Disable table integrity audit;

Type: string

Supported Values: enable, disable

Default: enable

auto-sync-action

Description 'enable': Enable auto-sync; 'disable': Disable auto-sync;

Type: string

Supported Values: enable, disable

Default: enable

sampling-enable

Type: List

table

Description 'all': All tables;

Type: string

Supported Values: all

Default: all

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'arp-tbl-sync-start-ts-m-1st': arp table sync start time stamp master; 'nd6-tbl-sync-start-ts-m-1st': nd6 table sync start time stamp master; 'ipv4-fib-tbl-sync-start-ts-m-1st': ipv4-fib table sync start time stamp master; 'ipv6-fib-tbl-sync-start-ts-m-1st': ipv6-fib table sync start time stamp master; 'mac-tbl-sync-start-ts-m-1st': mac table sync start time stamp master; 'arp-tbl-sync-start-ts-b-1st': arp table sync start time stamp blade; 'nd6-tbl-sync-start-ts-b-1st': nd6 table sync start time stamp blade; 'ipv4-fib-tbl-sync-start-ts-b-1st': ipv4-fib table sync start time stamp blade; 'ipv6-fib-tbl-sync-start-ts-b-1st': ipv6-fib table sync start time stamp blade; 'mac-tbl-sync-start-ts-b-1st': mac table sync start time stamp blade; 'arp-tbl-sync-entries-sent-m-1st': arp table entries sent from master for T0 synchronization; 'nd6-tbl-sync-entries-sent-m-1st': nd6 table entries sent from master for T0 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-1st': ipv4-fib table entries sent from master for T0 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-1st': ipv6-fib table entries sent from master for T0 synchronization; 'mac-tbl-sync-entries-sent-m-1st': mac table entries sent from master for T0 synchronization; 'arp-tbl-sync-entries-rcvd-b-1st': arp table entries received on blade for T0 synchronization; 'nd6-tbl-sync-entries-rcvd-b-1st': nd6 table entries received on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-1st': ipv4-fib table entries received on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-1st': ipv6-fib table entries received on blade for T0 synchronization; 'mac-tbl-sync-entries-rcvd-b-1st': mac table entries received on blade for T0 synchronization; 'arp-tbl-sync-entries-added-b-1st': arp table entries added on blade for T0 synchronization; 'nd6-tbl-sync-entries-added-b-1st': nd6 table entries added on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-1st': ipv4-fib table entries added on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-1st': ipv6-fib table entries added on blade for T0 synchronization; 'mac-tbl-sync-entries-added-b-1st': mac table entries added on blade for T0 synchronization; 'arp-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'nd6-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'mac-tbl-sync-entries-removed-b-1st': arp table entries removed on blade for T0 synchronization; 'arp-tbl-sync-end-ts-m-1st': arp table sync end time stamp master for T0 synchronization; 'nd6-tbl-sync-end-ts-m-1st': nd6 table sync end time stamp master for T0 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-1st': ipv4-fib table sync end time stamp master for T0 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-1st': ipv6-fib table sync end time stamp master for T0 synchronization; 'mac-tbl-sync-end-ts-m-1st': mac table sync end time stamp master for T0 synchronization; 'arp-tbl-sync-end-ts-b-1st': arp table sync end time stamp blade for T0 synchronization; 'nd6-tbl-sync-end-ts-b-1st': nd6 table sync end time stamp blade for T0 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-1st': ipv4-fib table sync end time stamp blade for T0 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-1st': ipv6-fib table sync end time stamp blade for T0 synchronization; 'mac-tbl-sync-end-ts-b-1st': mac table sync end time stamp blade for T0 synchronization; 'arp-tbl-sync-start-ts-m-2nd': arp table sync start time stamp master for T-1 synchronization; 'nd6-tbl-sync-start-ts-m-2nd': nd6 table sync start time stamp master for T-1 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-2nd': ipv4-fib table sync start time stamp master for T-1 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-2nd': ipv6-fib table sync start time stamp master for T-1 synchronization; 'mac-tbl-sync-start-ts-m-2nd': mac table sync start time stamp master for T-1 synchronization; 'arp-tbl-sync-start-ts-b-2nd': arp table sync start time stamp blade for T-1 synchronization; 'nd6-tbl-sync-start-ts-b-2nd': nd6 table sync start time stamp blade for T-1 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-2nd': ipv4-fib table sync start time stamp blade for T-1 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-2nd': ipv6-fib table sync start time stamp blade for T-1 synchronization; 'mac-tbl-sync-start-ts-b-2nd': mac table sync start time stamp blade for T-1 synchronization; 'arp-tbl-sync-entries-sent-m-2nd': arp table entries sent from master for T-1 synchronization; 'nd6-tbl-sync-entries-sent-m-2nd': nd6 table entries sent from master for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-2nd': ipv4-fib table entries sent from master for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-2nd': ipv6-fib table entries sent from master for T-1 synchronization; 'mac-tbl-sync-entries-sent-m-2nd': mac table entries sent from

master for T-1 synchronization; 'arp-tbl-sync-entries-rcvd-b-2nd': arp table entries received in blade for T-1 synchronization; 'nd6-tbl-sync-entries-rcvd-b-2nd': nd6 table entries received in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-2nd': ipv4-fib table entries received in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-2nd': ipv6-fib table entries received in blade for T-1 synchronization; 'mac-tbl-sync-entries-rcvd-b-2nd': mac table entries received in blade for T-1 synchronization; 'arp-tbl-sync-entries-added-b-2nd': arp table entries added in blade for T-1 synchronization; 'nd6-tbl-sync-entries-added-b-2nd': nd6 table entries added in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-2nd': ipv4-fib table entries added in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-2nd': ipv6-fib table entries added in blade for T-1 synchronization; 'mac-tbl-sync-entries-added-b-2nd': mac table entries added in blade for T-1 synchronization; 'arp-tbl-sync-entries-removed-b-2nd': arp table entries removed in blade for T-1 synchronization; 'nd6-tbl-sync-entries-removed-b-2nd': nd6 table entries removed in blade for T-1 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-2nd': ipv4-fib table entries removed in blade for T-1 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-2nd': ipv6-fib table entries removed in blade for T-1 synchronization; 'mac-tbl-sync-entries-removed-b-2nd': mac table entries removed in blade for T-1 synchronization; 'arp-tbl-sync-end-ts-m-2nd': arp table sync end time stamp master for T-1 synchronization; 'nd6-tbl-sync-end-ts-m-2nd': nd6 table sync end time stamp master for T-1 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-2nd': ipv4-fib table sync end time stamp master for T-1 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-2nd': ipv6-fib table sync end time stamp master for T-1 synchronization; 'mac-tbl-sync-end-ts-m-2nd': mac table sync end time stamp master for T-1 synchronization; 'arp-tbl-sync-end-ts-b-2nd': arp table sync end time stamp blade for T-1 synchronization; 'nd6-tbl-sync-end-ts-b-2nd': nd6 table sync end time stamp blade for T-1 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-2nd': ipv4-fib table sync end time stamp blade for T-1 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-2nd': ipv6-fib table sync end time stamp blade for T-1 synchronization; 'mac-tbl-sync-end-ts-b-2nd': mac table sync end time stamp blade for T-1 synchronization; 'arp-tbl-sync-start-ts-m-3rd': arp table sync start time stamp master for T-2 synchronization; 'nd6-tbl-sync-start-ts-m-3rd': nd6 table sync start time stamp master for T-2 synchronization;

Type: string

Supported Values: all, arp-tbl-sync-start-ts-m-1st, nd6-tbl-sync-start-ts-m-1st, ipv4-fib-tbl-sync-start-ts-m-1st, ipv6-fib-tbl-sync-start-ts-m-1st, mac-tbl-sync-start-ts-m-1st, arp-tbl-sync-start-ts-b-1st, nd6-tbl-sync-start-ts-b-1st, ipv4-fib-tbl-sync-start-ts-b-1st, ipv6-fib-tbl-sync-start-ts-b-1st, mac-tbl-sync-start-ts-b-1st, arp-tbl-sync-entries-sent-m-1st, nd6-tbl-sync-entries-sent-m-1st, ipv4-fib-tbl-sync-entries-sent-m-1st, ipv6-fib-tbl-sync-entries-sent-m-1st, mac-tbl-sync-entries-sent-m-1st, arp-tbl-sync-entries-rcvd-b-1st, nd6-tbl-sync-entries-rcvd-b-1st, ipv4-fib-tbl-sync-entries-rcvd-b-1st, ipv6-fib-tbl-sync-entries-rcvd-b-1st, mac-tbl-sync-entries-rcvd-b-1st, arp-tbl-sync-entries-added-b-1st, nd6-tbl-sync-entries-added-b-1st, ipv4-fib-tbl-sync-entries-added-b-1st, ipv6-fib-tbl-sync-entries-added-b-1st, mac-tbl-sync-entries-added-b-1st, arp-tbl-sync-entries-removed-b-1st, nd6-tbl-sync-entries-removed-b-1st, ipv4-fib-tbl-sync-entries-removed-b-1st, ipv6-fib-tbl-sync-entries-removed-b-1st, mac-tbl-sync-entries-removed-b-1st, arp-tbl-sync-end-ts-m-1st, nd6-tbl-sync-end-ts-m-1st, ipv4-fib-tbl-sync-end-ts-m-1st, ipv6-fib-tbl-sync-end-ts-m-1st, mac-tbl-sync-end-ts-m-1st, arp-tbl-sync-end-ts-b-1st, nd6-tbl-sync-end-ts-b-1st, ipv4-fib-tbl-sync-end-ts-b-1st, ipv6-fib-tbl-sync-end-ts-b-1st, mac-tbl-sync-end-ts-b-1st, arp-tbl-sync-start-ts-m-2nd, nd6-tbl-sync-start-ts-m-2nd, ipv4-fib-tbl-sync-start-ts-m-2nd, ipv6-fib-tbl-sync-start-ts-m-2nd, mac-tbl-sync-start-ts-m-2nd, arp-tbl-sync-start-ts-b-2nd, nd6-tbl-sync-start-ts-b-2nd, ipv4-fib-tbl-sync-start-ts-b-2nd, ipv6-fib-tbl-sync-start-ts-b-2nd, mac-tbl-sync-start-ts-b-2nd, arp-tbl-sync-entries-sent-m-2nd, nd6-tbl-sync-entries-sent-m-2nd, ipv4-fib-tbl-sync-entries-sent-m-2nd, ipv6-fib-tbl-sync-entries-sent-m-2nd, mac-tbl-sync-entries-sent-m-2nd, arp-tbl-sync-entries-rcvd-b-2nd, nd6-tbl-sync-entries-rcvd-b-2nd, ipv4-fib-tbl-sync-entries-rcvd-b-2nd, ipv6-fib-tbl-sync-entries-rcvd-b-2nd, mac-tbl-sync-entries-rcvd-b-2nd, arp-tbl-sync-entries-added-b-2nd, nd6-tbl-sync-entries-added-b-2nd, ipv4-fib-tbl-sync-entries-added-b-2nd, ipv6-fib-tbl-sync-entries-added-

b-2nd, mac-tbl-sync-entries-added-b-2nd, arp-tbl-sync-entries-removed-b-2nd, nd6-tbl-sync-entries-removed-b-2nd, ipv4-fib-tbl-sync-entries-removed-b-2nd, ipv6-fib-tbl-sync-entries-removed-b-2nd, mac-tbl-sync-entries-removed-b-2nd, arp-tbl-sync-end-ts-m-2nd, nd6-tbl-sync-end-ts-m-2nd, ipv4-fib-tbl-sync-end-ts-m-2nd, ipv6-fib-tbl-sync-end-ts-m-2nd, mac-tbl-sync-end-ts-m-2nd, arp-tbl-sync-end-ts-b-2nd, nd6-tbl-sync-end-ts-b-2nd, ipv4-fib-tbl-sync-end-ts-b-2nd, ipv6-fib-tbl-sync-end-ts-b-2nd, mac-tbl-sync-end-ts-b-2nd, arp-tbl-sync-start-ts-m-3rd, nd6-tbl-sync-start-ts-m-3rd

counters2

Description 'ipv4-fib-tbl-sync-start-ts-m-3rd': ipv4-fib table sync start time stamp master for T-2 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-3rd': ipv6-fib table sync start time stamp master for T-2 synchronization; 'mac-tbl-sync-start-ts-m-3rd': mac table sync start time stamp master for T-2 synchronization; 'arp-tbl-sync-start-ts-b-3rd': arp table sync start time stamp blade for T-2 synchronization; 'nd6-tbl-sync-start-ts-b-3rd': nd6 table sync start time stamp blade for T-2 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-3rd': ipv4-fib table sync start time stamp blade for T-2 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-3rd': ipv6-fib table sync start time stamp blade for T-2 synchronization; 'mac-tbl-sync-start-ts-b-3rd': mac table sync start time stamp blade for T-2 synchronization; 'arp-tbl-sync-entries-sent-m-3rd': arp table entries sent from master for T-2 synchronization; 'nd6-tbl-sync-entries-sent-m-3rd': nd6 table entries sent from master for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-3rd': ipv4-fib table entries sent from master for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-3rd': ipv6-fib table entries sent from master for T-2 synchronization; 'mac-tbl-sync-entries-sent-m-3rd': mac table entries sent from master for T-2 synchronization; 'arp-tbl-sync-entries-rcvd-b-3rd': arp table entries received in blade for T-2 synchronization; 'nd6-tbl-sync-entries-rcvd-b-3rd': nd6 table entries received in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-3rd': ipv4-fib table entries received in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-3rd': ipv6-fib table entries received in blade for T-2 synchronization; 'mac-tbl-sync-entries-rcvd-b-3rd': mac table entries received in blade for T-2 synchronization; 'arp-tbl-sync-entries-added-b-3rd': arp table entries added in blade for T-2 synchronization; 'nd6-tbl-sync-entries-added-b-3rd': nd6 table entries added in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-3rd': ipv4-fib table entries added in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-3rd': ipv6-fib table entries added in blade for T-2 synchronization; 'mac-tbl-sync-entries-added-b-3rd': mac table entries added in blade for T-2 synchronization; 'arp-tbl-sync-entries-removed-b-3rd': arp table entries removed in blade for T-2 synchronization; 'nd6-tbl-sync-entries-removed-b-3rd': nd6 table entries removed in blade for T-2 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-3rd': ipv4-fib table entries removed in blade for T-2 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-3rd': ipv6-fib table entries removed in blade for T-2 synchronization; 'mac-tbl-sync-entries-removed-b-3rd': mac table entries removed in blade for T-2 synchronization; 'arp-tbl-sync-end-ts-m-3rd': arp table sync end time stamp master for T-2 synchronization; 'nd6-tbl-sync-end-ts-m-3rd': nd6 table sync end time stamp master for T-2 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-3rd': ipv4-fib table sync end time stamp master for T-2 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-3rd': ipv6-fib table sync end time stamp master for T-2 synchronization; 'mac-tbl-sync-end-ts-m-3rd': mac table sync end time stamp master for T-2 synchronization; 'arp-tbl-sync-end-ts-b-3rd': arp table sync end time stamp blade for T-2 synchronization; 'nd6-tbl-sync-end-ts-b-3rd': nd6 table sync end time stamp blade for T-2 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-3rd': ipv4-fib table sync end time stamp blade for T-2 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-3rd': ipv6-fib table sync end time stamp blade for T-2 synchronization; 'mac-tbl-sync-end-ts-b-3rd': mac table sync end time stamp blade for T-2 synchronization; 'arp-tbl-sync-start-ts-m-4th': arp table sync start time stamp master for T-3 synchronization; 'nd6-tbl-sync-start-ts-m-4th': nd6 table sync start time stamp master for T-3 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-4th': ipv4-fib table sync start time stamp master for T-3 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-4th': ipv6-fib table sync start time stamp master for T-3 synchronization; 'mac-tbl-sync-start-ts-m-4th': mac table sync start time stamp master for T-3 synchronization; 'arp-tbl-sync-

start-ts-b-4th': arp table sync start time stamp blade for T-3 synchronization; 'nd6-tbl-sync-start-ts-b-4th': nd6 table sync start time stamp blade for T-3 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-4th': ipv4-fib table sync start time stamp blade for T-3 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-4th': ipv6-fib table sync start time stamp blade for T-3 synchronization; 'mac-tbl-sync-start-ts-b-4th': mac table sync start time stamp blade for T-3 synchronization; 'arp-tbl-sync-entries-sent-m-4th': arp table entries sent from master for T-3 synchronization; 'nd6-tbl-sync-entries-sent-m-4th': nd6 table entries sent from master for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-4th': ipv4-fib table entries sent from master for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-4th': ipv6-fib table entries sent from master for T-3 synchronization; 'mac-tbl-sync-entries-sent-m-4th': mac table entries sent from master for T-3 synchronization; 'arp-tbl-sync-entries-rcvd-b-4th': arp table entries received in blade for T-3 synchronization; 'nd6-tbl-sync-entries-rcvd-b-4th': nd6 table entries received in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-4th': ipv4-fib table entries received in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-4th': ipv6-fib table entries received in blade for T-3 synchronization; 'mac-tbl-sync-entries-rcvd-b-4th': mac table entries received in blade for T-3 synchronization; 'arp-tbl-sync-entries-added-b-4th': arp table entries added in blade for T-3 synchronization; 'nd6-tbl-sync-entries-added-b-4th': nd6 table entries added in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-4th': ipv4-fib table entries added in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-4th': ipv6-fib table entries added in blade for T-3 synchronization; 'mac-tbl-sync-entries-added-b-4th': mac table entries added in blade for T-3 synchronization; 'arp-tbl-sync-entries-removed-b-4th': arp table entries removed in blade for T-3 synchronization; 'nd6-tbl-sync-entries-removed-b-4th': nd6 table entries removed in blade for T-3 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-4th': ipv4-fib table entries removed in blade for T-3 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-4th': ipv6-fib table entries removed in blade for T-3 synchronization; 'mac-tbl-sync-entries-removed-b-4th': mac table entries removed in blade for T-3 synchronization; 'arp-tbl-sync-end-ts-m-4th': arp table sync end time stamp master for T-3 synchronization; 'nd6-tbl-sync-end-ts-m-4th': nd6 table sync end time stamp master for T-3 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-4th': ipv4-fib table sync end time stamp master for T-3 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-4th': ipv6-fib table sync end time stamp master for T-3 synchronization; 'mac-tbl-sync-end-ts-m-4th': mac table sync end time stamp master for T-3 synchronization; 'arp-tbl-sync-end-ts-b-4th': arp table sync end time stamp blade for T-3 synchronization; 'nd6-tbl-sync-end-ts-b-4th': nd6 table sync end time stamp blade for T-3 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-4th': ipv4-fib table sync end time stamp blade for T-3 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-4th': ipv6-fib table sync end time stamp blade for T-3 synchronization; 'mac-tbl-sync-end-ts-b-4th': mac table sync end time stamp blade for T-3 synchronization; 'arp-tbl-sync-start-ts-m-5th': arp table sync start time stamp master for T-4 synchronization;

Type: string

Supported Values: ipv4-fib-tbl-sync-start-ts-m-3rd, ipv6-fib-tbl-sync-start-ts-m-3rd, mac-tbl-sync-start-ts-m-3rd, arp-tbl-sync-start-ts-b-3rd, nd6-tbl-sync-start-ts-b-3rd, ipv4-fib-tbl-sync-start-ts-b-3rd, ipv6-fib-tbl-sync-start-ts-b-3rd, mac-tbl-sync-start-ts-b-3rd, arp-tbl-sync-entries-sent-m-3rd, nd6-tbl-sync-entries-sent-m-3rd, ipv4-fib-tbl-sync-entries-sent-m-3rd, ipv6-fib-tbl-sync-entries-sent-m-3rd, mac-tbl-sync-entries-sent-m-3rd, arp-tbl-sync-entries-rcvd-b-3rd, nd6-tbl-sync-entries-rcvd-b-3rd, ipv4-fib-tbl-sync-entries-rcvd-b-3rd, ipv6-fib-tbl-sync-entries-rcvd-b-3rd, mac-tbl-sync-entries-rcvd-b-3rd, arp-tbl-sync-entries-added-b-3rd, nd6-tbl-sync-entries-added-b-3rd, ipv4-fib-tbl-sync-entries-added-b-3rd, ipv6-fib-tbl-sync-entries-added-b-3rd, mac-tbl-sync-entries-added-b-3rd, arp-tbl-sync-entries-removed-b-3rd, nd6-tbl-sync-entries-removed-b-3rd, ipv4-fib-tbl-sync-entries-removed-b-3rd, ipv6-fib-tbl-sync-entries-removed-b-3rd, mac-tbl-sync-entries-removed-b-3rd, arp-tbl-sync-end-ts-m-3rd, nd6-tbl-sync-end-ts-m-3rd, ipv4-fib-tbl-sync-end-ts-m-3rd, ipv6-fib-tbl-sync-end-ts-m-3rd, mac-tbl-sync-end-ts-m-3rd, arp-tbl-sync-end-ts-b-3rd, nd6-tbl-sync-end-ts-b-3rd, ipv4-fib-tbl-sync-end-ts-b-3rd, ipv6-fib-tbl-sync-end-ts-b-3rd, mac-tbl-sync-end-ts-b-3rd,

arp-tbl-sync-start-ts-m-4th, nd6-tbl-sync-start-ts-m-4th, ipv4-fib-tbl-sync-start-ts-m-4th, ipv6-fib-tbl-sync-start-ts-m-4th, mac-tbl-sync-start-ts-m-4th, arp-tbl-sync-start-ts-b-4th, nd6-tbl-sync-start-ts-b-4th, ipv4-fib-tbl-sync-start-ts-b-4th, ipv6-fib-tbl-sync-start-ts-b-4th, mac-tbl-sync-start-ts-b-4th, arp-tbl-sync-entries-sent-m-4th, nd6-tbl-sync-entries-sent-m-4th, ipv4-fib-tbl-sync-entries-sent-m-4th, ipv6-fib-tbl-sync-entries-sent-m-4th, mac-tbl-sync-entries-sent-m-4th, arp-tbl-sync-entries-rcvd-b-4th, nd6-tbl-sync-entries-rcvd-b-4th, ipv4-fib-tbl-sync-entries-rcvd-b-4th, ipv6-fib-tbl-sync-entries-rcvd-b-4th, mac-tbl-sync-entries-rcvd-b-4th, arp-tbl-sync-entries-added-b-4th, nd6-tbl-sync-entries-added-b-4th, ipv4-fib-tbl-sync-entries-added-b-4th, ipv6-fib-tbl-sync-entries-added-b-4th, mac-tbl-sync-entries-added-b-4th, arp-tbl-sync-entries-removed-b-4th, nd6-tbl-sync-entries-removed-b-4th, ipv4-fib-tbl-sync-entries-removed-b-4th, ipv6-fib-tbl-sync-entries-removed-b-4th, mac-tbl-sync-entries-removed-b-4th, arp-tbl-sync-end-ts-m-4th, nd6-tbl-sync-end-ts-m-4th, ipv4-fib-tbl-sync-end-ts-m-4th, ipv6-fib-tbl-sync-end-ts-m-4th, mac-tbl-sync-end-ts-m-4th, arp-tbl-sync-end-ts-b-4th, nd6-tbl-sync-end-ts-b-4th, ipv4-fib-tbl-sync-end-ts-b-4th, ipv6-fib-tbl-sync-end-ts-b-4th, mac-tbl-sync-end-ts-b-4th, arp-tbl-sync-start-ts-m-5th

counters3

Description 'nd6-tbl-sync-start-ts-m-5th': nd6 table sync start time stamp master for T-4 synchronization; 'ipv4-fib-tbl-sync-start-ts-m-5th': ipv4-fib table sync start time stamp master for T-4 synchronization; 'ipv6-fib-tbl-sync-start-ts-m-5th': ipv6-fib table sync start time stamp master for T-4 synchronization; 'mac-tbl-sync-start-ts-m-5th': mac table sync start time stamp master for T-4 synchronization; 'arp-tbl-sync-start-ts-b-5th': arp table sync start time stamp blade for T-4 synchronization; 'nd6-tbl-sync-start-ts-b-5th': nd6 table sync start time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-start-ts-b-5th': ipv4-fib table sync start time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-start-ts-b-5th': ipv6-fib table sync start time stamp blade for T-4 synchronization; 'mac-tbl-sync-start-ts-b-5th': mac table sync start time stamp blade for T-4 synchronization; 'arp-tbl-sync-entries-sent-m-5th': arp table sync start time stamp blade for T-4 synchronization; 'nd6-tbl-sync-entries-sent-m-5th': nd6 table sync start time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-sent-m-5th': ipv4-fib table sync start time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-sent-m-5th': ipv6-fib table sync start time stamp blade for T-4 synchronization; 'mac-tbl-sync-entries-sent-m-5th': mac table sync start time stamp blade for T-4 synchronization; 'arp-tbl-sync-entries-rcvd-b-5th': arp table entries received in blade for T-4 synchronization; 'nd6-tbl-sync-entries-rcvd-b-5th': nd6 table entries received in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-rcvd-b-5th': ipv4-fib table entries received in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-rcvd-b-5th': ipv6-fib table entries received in blade for T-4 synchronization; 'mac-tbl-sync-entries-rcvd-b-5th': mac table entries received in blade for T-4 synchronization; 'arp-tbl-sync-entries-added-b-5th': arp table entries added in blade for T-4 synchronization; 'nd6-tbl-sync-entries-added-b-5th': nd6 table entries added in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-added-b-5th': ipv4-fib table entries added in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-added-b-5th': ipv6-fib table entries added in blade for T-4 synchronization; 'mac-tbl-sync-entries-added-b-5th': mac table entries added in blade for T-4 synchronization; 'arp-tbl-sync-entries-removed-b-5th': arp table entries removed in blade for T-4 synchronization; 'nd6-tbl-sync-entries-removed-b-5th': nd6 table entries removed in blade for T-4 synchronization; 'ipv4-fib-tbl-sync-entries-removed-b-5th': ipv4-fib table entries removed in blade for T-4 synchronization; 'ipv6-fib-tbl-sync-entries-removed-b-5th': ipv6-fib table entries removed in blade for T-4 synchronization; 'mac-tbl-sync-entries-removed-b-5th': mac table entries removed in blade for T-4 synchronization; 'arp-tbl-sync-end-ts-m-5th': arp table sync end time stamp master for T-4 synchronization; 'nd6-tbl-sync-end-ts-m-5th': nd6 table sync end time stamp master for T-4 synchronization; 'ipv4-fib-tbl-sync-end-ts-m-5th': ipv4-fib table sync end time stamp master for T-4 synchronization; 'ipv6-fib-tbl-sync-end-ts-m-5th': ipv6-fib table sync end time stamp master for T-4 synchronization; 'mac-tbl-sync-end-ts-m-5th': mac table sync end time stamp master for T-4 synchronization; 'arp-tbl-sync-end-ts-b-5th': arp table sync end time stamp blade for T-4 synchronization; 'nd6-

tbl-sync-end-ts-b-5th': nd6 table sync end time stamp blade for T-4 synchronization; 'ipv4-fib-tbl-sync-end-ts-b-5th': ipv4-fib table sync end time stamp blade for T-4 synchronization; 'ipv6-fib-tbl-sync-end-ts-b-5th': ipv6-fib table sync end time stamp blade for T-4 synchronization; 'mac-tbl-sync-end-ts-b-5th': mac table sync end time stamp blade for T-4 synchronization; 'arp-tbl-sync-m': arp table sync count in master; 'nd6-tbl-sync-m': nd6 table sync count in master; 'ipv4-fib-tbl-sync-m': ipv4-fib table sync count in master; 'ipv6-fib-tbl-sync-m': ipv6-fib table sync count in master; 'mac-tbl-sync-m': mac table sync count in master; 'arp-tbl-sync-b': arp table sync count in blade; 'nd6-tbl-sync-b': nd6 table sync count in blade; 'ipv4-fib-tbl-sync-b': ipv4-fib table sync count in blade; 'ipv6-fib-tbl-sync-b': ipv6-fib table sync count in blade; 'mac-tbl-sync-b': mac table sync count in blade; 'arp-tbl-cksum-m': arp table checksum count in master; 'nd6-tbl-cksum-m': nd6 table checksum count in master; 'ipv4-fib-tbl-cksum-m': ipv4-fib table checksum count in master; 'ipv6-fib-tbl-cksum-m': ipv6-fib table checksum count in master; 'mac-tbl-cksum-m': mac table checksum count in master; 'arp-tbl-cksum-b': arp table checksum count in blade; 'nd6-tbl-cksum-b': nd6 table checksum count in blade; 'ipv4-fib-tbl-cksum-b': ipv4-fib table checksum count in blade; 'ipv6-fib-tbl-cksum-b': ipv6-fib table checksum count in blade; 'mac-tbl-cksum-b': mac table checksum count in blade; 'arp-tbl-cksum-mismatch-b': arp table checksum mismatch count in blade; 'nd6-tbl-cksum-mismatch-b': nd6 table checksum mismatch count in blade; 'ipv4-fib-tbl-cksum-mismatch-b': ipv4-fib table checksum mismatch count in blade; 'ipv6-fib-tbl-cksum-mismatch-b': ipv6-fib table checksum mismatch count in blade; 'mac-tbl-cksum-mismatch-b': mac table checksum mismatch count in blade; 'arp-tbl-cksum-cancel-m': arp table checksum cancelled count in master; 'nd6-tbl-cksum-cancel-m': nd6 table checksum cancelled count in master; 'ipv4-fib-tbl-cksum-cancel-m': ipv4-fib table checksum cancelled count in master; 'ipv6-fib-tbl-cksum-cancel-m': ipv6-fib table checksum cancelled count in master; 'mac-tbl-cksum-cancel-m': mac table checksum cancelled count in master;

Type: string

Supported Values: nd6-tbl-sync-start-ts-m-5th, ipv4-fib-tbl-sync-start-ts-m-5th, ipv6-fib-tbl-sync-start-ts-m-5th, mac-tbl-sync-start-ts-m-5th, arp-tbl-sync-start-ts-b-5th, nd6-tbl-sync-start-ts-b-5th, ipv4-fib-tbl-sync-start-ts-b-5th, ipv6-fib-tbl-sync-start-ts-b-5th, mac-tbl-sync-start-ts-b-5th, arp-tbl-sync-entries-sent-m-5th, nd6-tbl-sync-entries-sent-m-5th, ipv4-fib-tbl-sync-entries-sent-m-5th, ipv6-fib-tbl-sync-entries-sent-m-5th, mac-tbl-sync-entries-sent-m-5th, arp-tbl-sync-entries-rcvd-b-5th, nd6-tbl-sync-entries-rcvd-b-5th, ipv4-fib-tbl-sync-entries-rcvd-b-5th, ipv6-fib-tbl-sync-entries-rcvd-b-5th, mac-tbl-sync-entries-rcvd-b-5th, arp-tbl-sync-entries-added-b-5th, nd6-tbl-sync-entries-added-b-5th, ipv4-fib-tbl-sync-entries-added-b-5th, ipv6-fib-tbl-sync-entries-added-b-5th, mac-tbl-sync-entries-added-b-5th, arp-tbl-sync-entries-removed-b-5th, nd6-tbl-sync-entries-removed-b-5th, ipv4-fib-tbl-sync-entries-removed-b-5th, ipv6-fib-tbl-sync-entries-removed-b-5th, mac-tbl-sync-entries-removed-b-5th, arp-tbl-sync-end-ts-m-5th, nd6-tbl-sync-end-ts-m-5th, ipv4-fib-tbl-sync-end-ts-m-5th, ipv6-fib-tbl-sync-end-ts-m-5th, mac-tbl-sync-end-ts-m-5th, arp-tbl-sync-end-ts-b-5th, nd6-tbl-sync-end-ts-b-5th, ipv4-fib-tbl-sync-end-ts-b-5th, ipv6-fib-tbl-sync-end-ts-b-5th, mac-tbl-sync-end-ts-b-5th, arp-tbl-sync-m, nd6-tbl-sync-m, ipv4-fib-tbl-sync-m, ipv6-fib-tbl-sync-m, mac-tbl-sync-m, arp-tbl-sync-b, nd6-tbl-sync-b, ipv4-fib-tbl-sync-b, ipv6-fib-tbl-sync-b, mac-tbl-sync-b, arp-tbl-cksum-m, nd6-tbl-cksum-m, ipv4-fib-tbl-cksum-m, ipv6-fib-tbl-cksum-m, mac-tbl-cksum-m, arp-tbl-cksum-b, nd6-tbl-cksum-b, ipv4-fib-tbl-cksum-b, ipv6-fib-tbl-cksum-b, mac-tbl-cksum-b, arp-tbl-cksum-mismatch-b, nd6-tbl-cksum-mismatch-b, ipv4-fib-tbl-cksum-mismatch-b, ipv6-fib-tbl-cksum-mismatch-b, mac-tbl-cksum-mismatch-b, arp-tbl-cksum-cancel-m, nd6-tbl-cksum-cancel-m, ipv4-fib-tbl-cksum-cancel-m, ipv6-fib-tbl-cksum-cancel-m, mac-tbl-cksum-cancel-m

2.129.169 system table-integrity stats

Statistics for the object table-integrity

table-integrity Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	table-integrity
Element URI	/axapi/v3/system/table-integrity/stats
Element Attributes	table-integrity_attributes
Partition Visibility	None
Schema	`table-integrity schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/table-integrity/stats

table-integrity attributes

Get Object

GET

/axapi/v3/system/table-integrity/stats

table-integrity attributes

Modify Object

POST

/axapi/v3/system/table-integrity/stats

table-integrity attributes

Replace Object

PUT

/axapi/v3/system/table-integrity/stats

table-integrity attributes

Delete Object

DELETE

/axapi/v3/system/table-integrity/stats

table-integrity attributes

table-integrity attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

arp-tbl-cksum-b

Description arp table checksum count in blade

Type: number

Format: counter

arp-tbl-cksum-cancel-m

Description arp table checksum cancelled count in master

Type: number

Format: counter

arp-tbl-cksum-m

Description arp table checksum count in master

Type: number

Format: counter

arp-tbl-cksum-mismatch-b

Description arp table checksum mismatch count in blade

Type: number

Format: counter

arp-tbl-sync-b

Description arp table sync count in blade

Type: number

Format: counter

arp-tbl-sync-end-ts-b-1st

Description arp table sync end time stamp blade for T0 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-b-2nd

Description arp table sync end time stamp blade for T-1 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-b-3rd

Description arp table sync end time stamp blade for T-2 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-b-4th

Description arp table sync end time stamp blade for T-3 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-b-5th

Description arp table sync end time stamp blade for T-4 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-m-1st

Description arp table sync end time stamp master for T0 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-m-2nd

Description arp table sync end time stamp master for T-1 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-m-3rd

Description arp table sync end time stamp master for T-2 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-m-4th

Description arp table sync end time stamp master for T-3 synchronization

Type: number

Format: counter

arp-tbl-sync-end-ts-m-5th

Description arp table sync end time stamp master for T-4 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-added-b-1st

Description arp table entries added on blade for T0 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-added-b-2nd

Description arp table entries added in blade for T-1 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-added-b-3rd

Description arp table entries added in blade for T-2 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-added-b-4th

Description arp table entries added in blade for T-3 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-added-b-5th

Description arp table entries added in blade for T-4 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-rcvd-b-1st

Description arp table entries received on blade for T0 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-rcvd-b-2nd

Description arp table entries received in blade for T-1 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-rcvd-b-3rd

Description arp table entries received in blade for T-2 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-rcvd-b-4th

Description arp table entries received in blade for T-3 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-rcvd-b-5th

Description arp table entries received in blade for T-4 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-removed-b-1st

Description arp table entries removed on blade for T0 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-removed-b-2nd

Description arp table entries removed in blade for T-1 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-removed-b-3rd

Description arp table entries removed in blade for T-2 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-removed-b-4th

Description arp table entries removed in blade for T-3 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-removed-b-5th

Description arp table entries removed in blade for T-4 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-sent-m-1st

Description arp table entries sent from master for T0 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-sent-m-2nd

Description arp table entries sent from master for T-1 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-sent-m-3rd

Description arp table entries sent from master for T-2 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-sent-m-4th

Description arp table entries sent from master for T-3 synchronization

Type: number

Format: counter

arp-tbl-sync-entries-sent-m-5th

Description arp table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

arp-tbl-sync-m

Description arp table sync count in master

Type: number

Format: counter

arp-tbl-sync-start-ts-b-1st

Description arp table sync start time stamp blade

Type: number

Format: counter

arp-tbl-sync-start-ts-b-2nd

Description arp table sync start time stamp blade for T-1 synchronization

Type: number

Format: counter

arp-tbl-sync-start-ts-b-3rd

Description arp table sync start time stamp blade for T-2 synchronization

Type: number

Format: counter

arp-tbl-sync-start-ts-b-4th

Description arp table sync start time stamp blade for T-3 synchronization

Type: number

Format: counter

arp-tbl-sync-start-ts-b-5th

Description arp table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

arp-tbl-sync-start-ts-m-1st

Description arp table sync start time stamp master

Type: number

Format: counter

arp-tbl-sync-start-ts-m-2nd

Description arp table sync start time stamp master for T-1 synchronization

Type: number

Format: counter

arp-tbl-sync-start-ts-m-3rd

Description arp table sync start time stamp master for T-2 synchronization

Type: number

Format: counter

arp-tbl-sync-start-ts-m-4th

Description arp table sync start time stamp master for T-3 synchronization

Type: number

Format: counter

arp-tbl-sync-start-ts-m-5th

Description arp table sync start time stamp master for T-4 synchronization

Type: number

Format: counter

ipv4-fib-tbl-cksum-b

Description ipv4-fib table checksum count in blade

Type: number

Format: counter

ipv4-fib-tbl-cksum-cancel-m

Description ipv4-fib table checksum cancelled count in master

Type: number

Format: counter

ipv4-fib-tbl-cksum-m

Description ipv4-fib table checksum count in master

Type: number

Format: counter

ipv4-fib-tbl-cksum-mismatch-b

Description ipv4-fib table checksum mismatch count in blade

Type: number

Format: counter

ipv4-fib-tbl-sync-b

Description ipv4-fib table sync count in blade

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-b-1st

Description ipv4-fib table sync end time stamp blade for T0 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-b-2nd

Description ipv4-fib table sync end time stamp blade for T-1 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-b-3rd

Description ipv4-fib table sync end time stamp blade for T-2 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-b-4th

Description ipv4-fib table sync end time stamp blade for T-3 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-b-5th

Description ipv4-fib table sync end time stamp blade for T-4 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-m-1st

Description ipv4-fib table sync end time stamp master for T0 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-m-2nd

Description ipv4-fib table sync end time stamp master for T-1 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-m-3rd

Description ipv4-fib table sync end time stamp master for T-2 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-m-4th

Description ipv4-fib table sync end time stamp master for T-3 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-end-ts-m-5th

Description ipv4-fib table sync end time stamp master for T-4 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-added-b-1st

Description ipv4-fib table entries added on blade for T0 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-added-b-2nd

Description ipv4-fib table entries added in blade for T-1 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-added-b-3rd

Description ipv4-fib table entries added in blade for T-2 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-added-b-4th

Description ipv4-fib table entries added in blade for T-3 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-added-b-5th

Description ipv4-fib table entries added in blade for T-4 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-rcvd-b-1st

Description ipv4-fib table entries received on blade for T0 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-rcvd-b-2nd

Description ipv4-fib table entries received in blade for T-1 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-rcvd-b-3rd

Description ipv4-fib table entries received in blade for T-2 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-rcvd-b-4th

Description ipv4-fib table entries received in blade for T-3 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-rcvd-b-5th

Description ipv4-fib table entries received in blade for T-4 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-removed-b-1st

Description arp table entries removed on blade for T0 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-removed-b-2nd

Description ipv4-fib table entries removed in blade for T-1 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-removed-b-3rd

Description ipv4-fib table entries removed in blade for T-2 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-removed-b-4th

Description ipv4-fib table entries removed in blade for T-3 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-removed-b-5th

Description ipv4-fib table entries removed in blade for T-4 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-sent-m-1st

Description ipv4-fib table entries sent from master for T0 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-sent-m-2nd

Description ipv4-fib table entries sent from master for T-1 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-sent-m-3rd

Description ipv4-fib table entries sent from master for T-2 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-sent-m-4th

Description ipv4-fib table entries sent from master for T-3 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-entries-sent-m-5th

Description ipv4-fib table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-m

Description ipv4-fib table sync count in master

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-b-1st

Description ipv4-fib table sync start time stamp blade

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-b-2nd

Description ipv4-fib table sync start time stamp blade for T-1 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-b-3rd

Description ipv4-fib table sync start time stamp blade for T-2 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-b-4th

Description ipv4-fib table sync start time stamp blade for T-3 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-b-5th

Description ipv4-fib table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-m-1st

Description ipv4-fib table sync start time stamp master

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-m-2nd

Description ipv4-fib table sync start time stamp master for T-1 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-m-3rd

Description ipv4-fib table sync start time stamp master for T-2 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-m-4th

Description ipv4-fib table sync start time stamp master for T-3 synchronization

Type: number

Format: counter

ipv4-fib-tbl-sync-start-ts-m-5th

Description ipv4-fib table sync start time stamp master for T-4 synchronization

Type: number

Format: counter

ipv6-fib-tbl-cksum-b

Description ipv6-fib table checksum count in blade

Type: number

Format: counter

ipv6-fib-tbl-cksum-cancel-m

Description ipv6-fib table checksum cancelled count in master

Type: number

Format: counter

ipv6-fib-tbl-cksum-m

Description ipv6-fib table checksum count in master

Type: number

Format: counter

ipv6-fib-tbl-cksum-mismatch-b

Description ipv6-fib table checksum mismatch count in blade

Type: number

Format: counter

ipv6-fib-tbl-sync-b

Description ipv6-fib table sync count in blade

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-b-1st

Description ipv6-fib table sync end time stamp blade for T0 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-b-2nd

Description ipv6-fib table sync end time stamp blade for T-1 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-b-3rd

Description ipv6-fib table sync end time stamp blade for T-2 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-b-4th

Description ipv6-fib table sync end time stamp blade for T-3 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-b-5th

Description ipv6-fib table sync end time stamp blade for T-4 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-m-1st

Description ipv6-fib table sync end time stamp master for T0 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-m-2nd

Description ipv6-fib table sync end time stamp master for T-1 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-m-3rd

Description ipv6-fib table sync end time stamp master for T-2 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-m-4th

Description ipv6-fib table sync end time stamp master for T-3 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-end-ts-m-5th

Description ipv6-fib table sync end time stamp master for T-4 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-added-b-1st

Description ipv6-fib table entries added on blade for T0 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-added-b-2nd

Description ipv6-fib table entries added in blade for T-1 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-added-b-3rd

Description ipv6-fib table entries added in blade for T-2 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-added-b-4th

Description ipv6-fib table entries added in blade for T-3 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-added-b-5th

Description ipv6-fib table entries added in blade for T-4 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-rcvd-b-1st

Description ipv6-fib table entries received on blade for T0 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-rcvd-b-2nd

Description ipv6-fib table entries received in blade for T-1 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-rcvd-b-3rd

Description ipv6-fib table entries received in blade for T-2 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-rcvd-b-4th

Description ipv6-fib table entries received in blade for T-3 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-rcvd-b-5th

Description ipv6-fib table entries received in blade for T-4 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-removed-b-1st

Description arp table entries removed on blade for T0 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-removed-b-2nd

Description ipv6-fib table entries removed in blade for T-1 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-removed-b-3rd

Description ipv6-fib table entries removed in blade for T-2 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-removed-b-4th

Description ipv6-fib table entries removed in blade for T-3 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-removed-b-5th

Description ipv6-fib table entries removed in blade for T-4 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-sent-m-1st

Description ipv6-fib table entries sent from master for T0 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-sent-m-2nd

Description ipv6-fib table entries sent from master for T-1 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-sent-m-3rd

Description ipv6-fib table entries sent from master for T-2 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-sent-m-4th

Description ipv6-fib table entries sent from master for T-3 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-entries-sent-m-5th

Description ipv6-fib table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-m

Description ipv6-fib table sync count in master

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-b-1st

Description ipv6-fib table sync start time stamp blade

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-b-2nd

Description ipv6-fib table sync start time stamp blade for T-1 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-b-3rd

Description ipv6-fib table sync start time stamp blade for T-2 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-b-4th

Description ipv6-fib table sync start time stamp blade for T-3 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-b-5th

Description ipv6-fib table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-m-1st

Description ipv6-fib table sync start time stamp master

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-m-2nd

Description ipv6-fib table sync start time stamp master for T-1 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-m-3rd

Description ipv6-fib table sync start time stamp master for T-2 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-m-4th

Description ipv6-fib table sync start time stamp master for T-3 synchronization

Type: number

Format: counter

ipv6-fib-tbl-sync-start-ts-m-5th

Description ipv6-fib table sync start time stamp master for T-4 synchronization

Type: number

Format: counter

mac-tbl-cksum-b

Description mac table checksum count in blade

Type: number

Format: counter

mac-tbl-cksum-cancel-m

Description mac table checksum cancelled count in master

Type: number

Format: counter

mac-tbl-cksum-m

Description mac table checksum count in master

Type: number

Format: counter

mac-tbl-cksum-mismatch-b

Description mac table checksum mismatch count in blade

Type: number

Format: counter

mac-tbl-sync-b

Description mac table sync count in blade

Type: number

Format: counter

mac-tbl-sync-end-ts-b-1st

Description mac table sync end time stamp blade for T0 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-b-2nd

Description mac table sync end time stamp blade for T-1 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-b-3rd

Description mac table sync end time stamp blade for T-2 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-b-4th

Description mac table sync end time stamp blade for T-3 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-b-5th

Description mac table sync end time stamp blade for T-4 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-m-1st

Description mac table sync end time stamp master for T0 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-m-2nd

Description mac table sync end time stamp master for T-1 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-m-3rd

Description mac table sync end time stamp master for T-2 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-m-4th

Description mac table sync end time stamp master for T-3 synchronization

Type: number

Format: counter

mac-tbl-sync-end-ts-m-5th

Description mac table sync end time stamp master for T-4 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-added-b-1st

Description mac table entries added on blade for T0 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-added-b-2nd

Description mac table entries added in blade for T-1 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-added-b-3rd

Description mac table entries added in blade for T-2 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-added-b-4th

Description mac table entries added in blade for T-3 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-added-b-5th

Description mac table entries added in blade for T-4 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-rcvd-b-1st

Description mac table entries received on blade for T0 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-rcvd-b-2nd

Description mac table entries received in blade for T-1 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-rcvd-b-3rd

Description mac table entries received in blade for T-2 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-rcvd-b-4th

Description mac table entries received in blade for T-3 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-rcvd-b-5th

Description mac table entries received in blade for T-4 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-removed-b-1st

Description arp table entries removed on blade for T0 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-removed-b-2nd

Description mac table entries removed in blade for T-1 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-removed-b-3rd

Description mac table entries removed in blade for T-2 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-removed-b-4th

Description mac table entries removed in blade for T-3 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-removed-b-5th

Description mac table entries removed in blade for T-4 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-sent-m-1st

Description mac table entries sent from master for T0 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-sent-m-2nd

Description mac table entries sent from master for T-1 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-sent-m-3rd

Description mac table entries sent from master for T-2 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-sent-m-4th

Description mac table entries sent from master for T-3 synchronization

Type: number

Format: counter

mac-tbl-sync-entries-sent-m-5th

Description mac table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

mac-tbl-sync-m

Description mac table sync count in master

Type: number

Format: counter

mac-tbl-sync-start-ts-b-1st

Description mac table sync start time stamp blade

Type: number

Format: counter

mac-tbl-sync-start-ts-b-2nd

Description mac table sync start time stamp blade for T-1 synchronization

Type: number

Format: counter

mac-tbl-sync-start-ts-b-3rd

Description mac table sync start time stamp blade for T-2 synchronization

Type: number

Format: counter

mac-tbl-sync-start-ts-b-4th

Description mac table sync start time stamp blade for T-3 synchronization

Type: number

Format: counter

mac-tbl-sync-start-ts-b-5th

Description mac table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

mac-tbl-sync-start-ts-m-1st

Description mac table sync start time stamp master

Type: number

Format: counter

mac-tbl-sync-start-ts-m-2nd

Description mac table sync start time stamp master for T-1 synchronization

Type: number

Format: counter

mac-tbl-sync-start-ts-m-3rd

Description mac table sync start time stamp master for T-2 synchronization

Type: number

Format: counter

mac-tbl-sync-start-ts-m-4th

Description mac table sync start time stamp master for T-3 synchronization

Type: number

Format: counter

mac-tbl-sync-start-ts-m-5th

Description mac table sync start time stamp master for T-4 synchronization

Type: number

Format: counter

nd6-tbl-cksum-b

Description nd6 table checksum count in blade

Type: number

Format: counter

nd6-tbl-cksum-cancel-m

Description nd6 table checksum cancelled count in master

Type: number

Format: counter

nd6-tbl-cksum-m

Description nd6 table checksum count in master

Type: number

Format: counter

nd6-tbl-cksum-mismatch-b

Description nd6 table checksum mismatch count in blade

Type: number

Format: counter

nd6-tbl-sync-b

Description nd6 table sync count in blade

Type: number

Format: counter

nd6-tbl-sync-end-ts-b-1st

Description nd6 table sync end time stamp blade for T0 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-b-2nd

Description nd6 table sync end time stamp blade for T-1 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-b-3rd

Description nd6 table sync end time stamp blade for T-2 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-b-4th

Description nd6 table sync end time stamp blade for T-3 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-b-5th

Description nd6 table sync end time stamp blade for T-4 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-m-1st

Description nd6 table sync end time stamp master for T0 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-m-2nd

Description nd6 table sync end time stamp master for T-1 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-m-3rd

Description nd6 table sync end time stamp master for T-2 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-m-4th

Description nd6 table sync end time stamp master for T-3 synchronization

Type: number

Format: counter

nd6-tbl-sync-end-ts-m-5th

Description nd6 table sync end time stamp master for T-4 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-added-b-1st

Description nd6 table entries added on blade for T0 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-added-b-2nd

Description nd6 table entries added in blade for T-1 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-added-b-3rd

Description nd6 table entries added in blade for T-2 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-added-b-4th

Description nd6 table entries added in blade for T-3 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-added-b-5th

Description nd6 table entries added in blade for T-4 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-rcvd-b-1st

Description nd6 table entries received on blade for T0 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-rcvd-b-2nd

Description nd6 table entries received in blade for T-1 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-rcvd-b-3rd

Description nd6 table entries received in blade for T-2 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-rcvd-b-4th

Description nd6 table entries received in blade for T-3 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-rcvd-b-5th

Description nd6 table entries received in blade for T-4 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-removed-b-1st

Description arp table entries removed on blade for T0 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-removed-b-2nd

Description nd6 table entries removed in blade for T-1 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-removed-b-3rd

Description nd6 table entries removed in blade for T-2 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-removed-b-4th

Description nd6 table entries removed in blade for T-3 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-removed-b-5th

Description nd6 table entries removed in blade for T-4 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-sent-m-1st

Description nd6 table entries sent from master for T0 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-sent-m-2nd

Description nd6 table entries sent from master for T-1 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-sent-m-3rd

Description nd6 table entries sent from master for T-2 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-sent-m-4th

Description nd6 table entries sent from master for T-3 synchronization

Type: number

Format: counter

nd6-tbl-sync-entries-sent-m-5th

Description nd6 table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

nd6-tbl-sync-m

Description nd6 table sync count in master

Type: number

Format: counter

nd6-tbl-sync-start-ts-b-1st

Description nd6 table sync start time stamp blade

Type: number

Format: counter

nd6-tbl-sync-start-ts-b-2nd

Description nd6 table sync start time stamp blade for T-1 synchronization

Type: number

Format: counter

nd6-tbl-sync-start-ts-b-3rd

Description nd6 table sync start time stamp blade for T-2 synchronization

Type: number

Format: counter

nd6-tbl-sync-start-ts-b-4th

Description nd6 table sync start time stamp blade for T-3 synchronization

Type: number

Format: counter

nd6-tbl-sync-start-ts-b-5th

Description nd6 table sync start time stamp blade for T-4 synchronization

Type: number

Format: counter

nd6-tbl-sync-start-ts-m-1st

Description nd6 table sync start time stamp master

Type: number

Format: counter

nd6-tbl-sync-start-ts-m-2nd

Description nd6 table sync start time stamp master for T-1 synchronization

Type: number

Format: counter

nd6-tbl-sync-start-ts-m-3rd

Description nd6 table sync start time stamp master for T-2 synchronization

Type: number

Format: counter

nd6-tbl-sync-start-ts-m-4th

Description nd6 table sync start time stamp master for T-3 synchronization

Type: number

Format: counter

nd6-tbl-sync-start-ts-m-5th

Description nd6 table sync start time stamp master for T-4 synchronization

Type: number

Format: counter

2.129.170 system tcp

tcp counters and global config

tcp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/system/tcp
Element Attributes	tcp_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/tcp/stats
Operational Data URI	/axapi/v3/system/tcp/oper
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp

tcp attributes

```
POST /axapi/v3/system/tcp
Payload:
{
    "tcp": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/tcp

tcp attributes

```
GET /axapi/v3/system/tcp
Reponse:
{
    "tcp": {
        "uuid": "573a6416-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
```

(continues on next page)

(continued from previous page)

```
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/tcp"
    }
}
```

Modify Object

POST

/axapi/v3/system/tcp

tcp attributes

Replace Object

PUT

/axapi/v3/system/tcp

tcp attributes

```
PUT /axapi/v3/system/tcp
Payload:
{
    "tcp": {
        "sampling-enable": [
            {
                "counters1": "activeopens"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/tcp

tcp attributes

```
DELETE /axapi/v3/system/tcp
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tcp attributes

rate-limit-reset-unknown-conn

Description: rate-limit-reset-unknown-conn is a **JSON Block**. Please see below for *rate-limit-reset-unknown-conn*

Type: Object

Reference Object: */axapi/v3/system/tcp/rate-limit-reset-unknown-conn*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'activeopens': Active open conns; 'passiveopens': Passive open conns; 'attemptfails': Connect attemp failures; 'estabresets': Resets rcvd on EST conn; 'insegs': Total in TCP packets; 'outsegs': Total out TCP packets; 'retranssegs': Retransmited packets; 'inerrs': Input errors; 'outrsts': Reset Sent; 'sock_alloc': Sockets allocated; 'orphan_count': Orphan sockets; 'mem_alloc': Memory alloc; 'recv_mem': Total rx buffer; 'send_mem': Total tx buffer; 'currestab': Currently EST conns; 'currsyssnt': TCP in SYN-SNT state; 'currsynrcv': TCP in SYN-RCV state; 'currfinw1': TCP in FIN-W1 state; 'currfinw2': TCP FIN-W2 state; 'currtimew': TCP TimeW state; 'currclose': TCP in Close state; 'currclsw': TCP in CloseW state; 'currlack': TCP in LastACK state; 'currlstn': TCP in Listen state; 'currclsg': TCP in Closing state; 'pawsactiverejected': TCP paw active rej; 'syn_rcv_rstack': Rcv RST|ACK on SYN; 'syn_rcv_rst': Rcv RST on SYN; 'syn_rcv_ack': Rcv ACK on SYN; 'ax_rexmit_syn': TCP rexmit SYN; 'tcpabortontimeout': TCP abort on timeout; 'noroute': TCPIP out noroute; 'exceedmss': MSS exceeded pkt dropped; 'tfo_conns': TFO Total Connections; 'tfo_actives': TFO Current Actives; 'tfo_denied': TFO Denied;

Type: string

Supported Values: all, activeopens, passiveopens, attemptfails, estabresets, insegs, outsegs, retranssegs, inerrs, outrsts, sock_alloc, orphan_count, mem_alloc, recv_mem, send_mem, currestab, currsyssnt, currsynrcv, currfinw1, currfinw2, currtimew, currclose, currclsw, currlack, currlstn, currclsg, pawsactiverejected, syn_rcv_rstack, syn_rcv_rst, syn_rcv_ack, ax_rexmit_syn, tcpabortontimeout, noroute, exceedmss, tfo_conns, tfo_actives, tfo_denied, syn_rcv_rexmit, sock_init, invalid_drop, delayed_free

rate-limit-reset-unknown-conn

Specification	Value
Type	*object*

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.171 system tcp oper

Operational Status for the object tcp

tcp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp
Element URI	/axapi/v3/system/tcp/oper
Element Attributes	tcp_attributes
Partition Visibility	None
Schema	`tcp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp/oper

tcp attributes

Get Object

GET

/axapi/v3/system/tcp/oper

tcp attributes

Modify Object

POST

/axapi/v3/system/tcp/oper

tcp attributes

Replace Object

PUT

/axapi/v3/system/tcp/oper

tcp attributes

Delete Object

DELETE

/axapi/v3/system/tcp/oper

tcp attributes

tcp attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

rate-limit-reset-unknown-conn

Description: rate-limit-reset-unknown-conn is a **JSON Block**. Please see below for *rate-limit-reset-unknown-conn*

Type: Object

Reference Object: */axapi/v3/system/tcp/rate-limit-reset-unknown-conn*

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

tcp-cpu-list

Type: List

oper_tcp-cpu-list

Specification	Value
Type	*list*
Block object keys	

activeopens

Description

Type: number

attemptfails

Description

Type: number

ax_rexmit_syn

Description

Type: number

currclose

Description

Type: number

currclsg

Description

Type: number

currclsw

Description

Type: number

currestab

Description

Type: number

currfinw1

Description

Type: number

currfinw2

Description

Type: number

currlack

Description

Type: number

currlstn

Description

Type: number

currsynrcv

Description

Type: number

currsyssnt

Description

Type: number

currtimew

Description

Type: number

delayed_free

Description

Type: number

estabresets

Description

Type: number

exceedmss

Description

Type: number

inerrs

Description

Type: number

insegs

Description

Type: number

invalid_drop

Description

Type: number

mem_alloc

Description

Type: number

noroute

Description

Type: number

orphan_count

Description

Type: number

outrsts

Description

Type: number

outsegs

Description

Type: number

passiveopens

Description

Type: number

pawsactiverejected

Description

Type: number

recv_mem

Description

Type: number

retranssegs

Description

Type: number

send_mem

Description

Type: number

sock_alloc

Description

Type: number

sock_init

Description

Type: number

syn_rcv_ack

Description

Type: number

syn_rcv_rexmit

Description

Type: number

syn_rcv_rst

Description

Type: number

syn_rcv_rstack

Description

Type: number

tcpabortontimeout

Description

Type: number

tfo_actives

Description

Type: number

tfo_conns

Description

Type: number

tfo_denied

Description

Type: number

rate-limit-reset-unknown-conn

Specification	Value
Type	*object*

oper

Description: oper is a **JSON Block**. Please see below for *rate-limit-reset-unknown-conn_oper*

Type: Object

rate-limit-reset-unknown-conn_oper

Specification	Value
Type	*object*

unknown-conn-current-rate

Description

Type: number

unknown-conn-rate-limit

Description

Type: number

unknown-conn-rate-limit-drop

Description

Type: number

2.129.172 system tcp rate-limit-reset-unknown-conn

Configure rate limit for reset-unknown-conn

rate-limit-reset-unknown-conn Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit-reset-unknown-conn
Element URI	/axapi/v3/system/tcp/rate-limit-reset-unknown-conn
Element Attributes	rate-limit-reset-unknown-conn_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/tcp/rate-limit-reset-unknown-conn/oper
Schema	`rate-limit-reset-unknown-conn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

```
POST /axapi/v3/system/tcp/rate-limit-reset-unknown-conn
Payload:
{
    "rate-limit-reset-unknown-conn": {
        "pkt-rate-for-reset-unknown-conn": 1,
        "log-for-reset-unknown-conn": 1
    }
}
```

Get Object

GET

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

```
GET /axapi/v3/system/tcp/rate-limit-reset-unknown-conn
Reponse:
{
    "rate-limit-reset-unknown-conn": {
        "pkt-rate-for-reset-unknown-conn": 1,
```

(continues on next page)

(continued from previous page)

```
        "log-for-reset-unknown-conn": 1,
        "uuid": "a74fbf8c-b71e-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/tcp/rate-limit-reset-unknown-conn"
    }
}
```

Modify Object

POST

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

Replace Object

PUT

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

```
PUT /axapi/v3/system/tcp/rate-limit-reset-unknown-conn
Payload:
{
    "rate-limit-reset-unknown-conn": {
        "pkt-rate-for-reset-unknown-conn": 1,
        "log-for-reset-unknown-conn": 0
    }
}
```

Delete Object

DELETE

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn attributes

```
DELETE /axapi/v3/system/tcp/rate-limit-reset-unknown-conn
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rate-limit-reset-unknown-conn attributes

log-for-reset-unknown-conn

Description Log when rate exceed

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pkt-rate-for-reset-unknown-conn

Description

Type: number

Range: 1-1048575

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.173 system tcp rate-limit-reset-unknown-conn oper

Operational Status for the object rate-limit-reset-unknown-conn

rate-limit-reset-unknown-conn Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	rate-limit-reset-unknown-conn
Element URI	/axapi/v3/system/tcp/rate-limit-reset-unknown-conn/oper
Element Attributes	rate-limit-reset-unknown-conn_attributes
Partition Visibility	None
Schema	`rate-limit-reset-unknown-conn schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn/oper

rate-limit-reset-unknown-conn attributes

Get Object

GET

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn/oper

rate-limit-reset-unknown-conn attributes

Modify Object

POST

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn/oper

rate-limit-reset-unknown-conn attributes

Replace Object

PUT

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn/oper

rate-limit-reset-unknown-conn attributes

Delete Object

DELETE

/axapi/v3/system/tcp/rate-limit-reset-unknown-conn/oper

rate-limit-reset-unknown-conn attributes

rate-limit-reset-unknown-conn attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

unknown-conn-current-rate

Description

Type: number

unknown-conn-rate-limit

Description

Type: number

unknown-conn-rate-limit-drop

Description

Type: number

2.129.174 system tcp-stats

Show TCP Statistics

tcp-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp-stats
Element URI	/axapi/v3/system/tcp-stats
Element Attributes	tcp-stats_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/tcp-stats/stats
Operational Data URI	/axapi/v3/system/tcp-stats/oper
Schema	`tcp-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp-stats

tcp-stats attributes

Get Object

GET

/axapi/v3/system/tcp-stats

tcp-stats attributes

Modify Object

POST

/axapi/v3/system/tcp-stats

tcp-stats attributes

Replace Object

PUT

/axapi/v3/system/tcp-stats

tcp-stats attributes

Delete Object

DELETE

/axapi/v3/system/tcp-stats

tcp-stats attributes

tcp-stats attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'connattempt': Connect initiated; 'connects': Connect established; 'drops': Connect dropped; 'conndrops': Embryonic connect dropped; 'closed': Connect closed; 'segstimed': Segs to get RTT; 'rttupdated': Update RTT; 'delack': Delayed acks sent; 'timeoutdrop': Conn dropped in rxmt timeout; 'rexmttimeo': Retransmit timeout; 'persisttimeo': Persist timeout; 'keeptimeo': Keepalive timeout; 'keepprobe': Keepalive probe sent; 'keepdrops': Connect dropped in keepalive; 'sndtotal': Total packet sent; 'sndpack': Data packet sent; 'sndbyte': Data bytes sent; 'sndrexmitpack': Data packet retransmit; 'sndrexmitbyte': Data byte retransmit; 'sndrexmitbad': Unnecessary packet retransmit; 'sndacks': Ack packet sent; 'sndprobe': Window probe sent; 'sndurg': URG packet sent; 'sndwinup': Window update packet sent; 'sndctrl': SYN|FIN|RST packet sent; 'sndrst': RST packet sent; 'sndfin': FIN packet sent; 'sndsyn': SYN packet sent; 'rcvtotal': Total packet received; 'rcvpack': Packet received; 'rcvbyte': Bytes received; 'rcvbadoff': Packet received with bad offset; 'rcvmemdrop': Packet dropped for lack of memory; 'rcvduppack': Duplicate packet received; 'rcvdupbyte': Duplicate bytes received; 'rcvpartduppack': Packet with some duplicate data; 'rcvpartdupbyte': Dup. bytes in part-dup. packets; 'rcvoopack': Out-of-order packet received; 'rcvoobyte': Out-of-order bytes received; 'rcvpackafterwin': Packets with data after window; 'rcvbyteafterwin': Bytes rcvd after window; 'rcvwinprobe': Rcvd window probe packet; 'rcvdupack': Rcvd duplicate acks; 'rcvacktoomuch': Rcvd acks for unsent data; 'rcvackpack': Rcvd ack packets; 'rcvackbyte': Bytes acked by rcvd acks; 'rcvwinupd': Rcvd window update packets; 'pawsdrop': Segments dropped due to PAWS; 'predack': Hdr predict for acks; 'preddat': Hdr predict for data pkts; 'persistdrop': Timeout in persist state; 'badrst': Ignored RST; 'finwait2_drops': Drop FIN_WAIT_2 connection after time limit; 'sack_recovery_episode': SACK recovery episodes; 'sack_rexmits': SACK rexmit segments; 'sack_rexmit_bytes': SACK rexmit bytes; 'sack_rcv_blocks': SACK received; 'sack_send_blocks': SACK sent; 'sndcack': Challenge ACK sent; 'cacklim': Challenge ACK limited; 'reassmemdrop': Packet dropped during reassembly; 'reasstimeout': Reassembly Time Out; 'cc_idle': Congestion control window set do to idle; 'cc_reduce': Congestion control window reduced by event; 'rcvdsack': Rcvd DSACK packets; 'a2brcvwnd': ATCP to BTCP receive window; 'a2bsackpresent': ATCP to BTCP SACK options present; 'a2bdupack': ATCP to BTCP Dup/OO ACK; 'a2brxdata': ATCP to BTCP Rxmitted data; 'a2btcpoptions': ATCP to BTCP unsupported TCP options; 'a2boodata': ATCP to BTCP oo data received;

'a2bpartialack': ATCP to BTCP partial ack received; 'a2bfsmtransition': ATCP to BTCP state machine transition; 'a2btransitionnum': ATCP to BTCP total transitions; 'b2atransitionnum': ATCP to BTCP total transitions; 'bad_iochan': IO Channel Modified; 'atcpforward': Adaptive TCP forward; 'atcpsent': Adaptive TCP sent; 'atcprexmitsadrop': Adaptive TCP transmit SA drops; 'atcpsendbackack': Adaptive TCP sendback ACK; 'atcprexmit': Adaptive TCP retransmits; 'atcpbuffallocfail': Adaptive TCP buffer allocation fails; 'a2bappbuffering': Transition to full stack on when application buffers too much data; 'atcpsendfail': Adaptive TCP sent fails; 'earlyrexmit': Early Retransmission sent; 'mburstlim': Maxburst limited tx; 'a2bsndwnd': ATCP to BTCP send window; 'proxyheaderv1': Proxy header v1; 'proxyheaderv2': Proxy header v2;

Type: string

Supported Values: all, connattempt, connects, drops, conndrops, closed, segstimed, rttupdated, delack, timeoutdrop, rexmttimeo, persisttimeo, keeptimeo, keepprobe, keepdrops, sndtotal, sndpack, sndbyte, sndrexmitpack, sndrexmitbyte, sndrexmitbad, sndacks, sndprobe, sndurg, sndwinup, sndctrl, sndrst, sndfin, sndsyn, rcvtotal, rcvpack, rcvbyte, rcvbadoff, rcvmemdrop, rcvduppack, rcvdupbyte, rcvpartduppack, rcvpartdupbyte, rcvoopack, rcvoobyte, rcvpackafterwin, rcvbyteafterwin, rcvwinprobe, rcvdupack, rcvacktoomuch, rcvackpack, rcvackbyte, rcvwinupd, pawsdrop, predack, preddat, persistdrop, badrst, finwait2_drops, sack_recovery_episode, sack_rexmits, sack_rexmit_bytes, sack_rcv_blocks, sack_send_blocks, sndcack, cacklim, reassmemdrop, reasstimeout, cc_idle, cc_reduce, rcvdsack, a2brcvwnd, a2bsackpresent, a2bdupack, a2brxdata, a2btcpoptions, a2boodata, a2bpartialack, a2bfsmtransition, a2btransitionnum, b2atransitionnum, bad_iochan, atcpforward, atcpsent, atcprexmitsadrop, atcpsendbackack, atcprexmit, atcpbuffallocfail, a2bappbuffering, atcpsendfail, earlyrexmit, mburstlim, a2bsndwnd, proxyheaderv1, proxyheaderv2

2.129.175 system tcp-stats oper

Operational Status for the object tcp-stats

tcp-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp-stats
Element URI	/axapi/v3/system/tcp-stats/oper
Element Attributes	tcp-stats_attributes
Partition Visibility	None
Schema	`tcp-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp-stats/oper

tcp-stats attributes

Get Object

GET

/axapi/v3/system/tcp-stats/oper

tcp-stats attributes

Modify Object

POST

/axapi/v3/system/tcp-stats/oper

tcp-stats attributes

Replace Object

PUT

/axapi/v3/system/tcp-stats/oper

tcp-stats attributes

Delete Object

DELETE

/axapi/v3/system/tcp-stats/oper

tcp-stats attributes

tcp-stats attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-count

Description

Type: number

tcpstats-cpu-list

Type: List

oper_tcpstats-cpu-list

Specification	Value
Type	*list*
Block object keys	

a2bappbuffering

Description

Type: number

a2bdupack

Description

Type: number

a2bfsmtransition

Description

Type: number

a2boodata

Description

Type: number

a2bpartialack

Description

Type: number

a2brcvwnd

Description

Type: number

a2brxdata

Description

Type: number

a2bsackpresent

Description

Type: number

a2bsndwnd

Description

Type: number

a2btcpoptions

Description

Type: number

a2btransitionnum

Description

Type: number

atcpbuffallocfail

Description

Type: number

atcpforward

Description

Type: number

atcprexmit

Description

Type: number

atcpsendbackack

Description

Type: number

atcpsendfail

Description

Type: number

atcpsent

Description

Type: number

b2atransitionnum

Description

Type: number

bad_iochan

Description

Type: number

badrst

Description

Type: number

cacklim

Description

Type: number

cc_idle

Description

Type: number

cc_reduce

Description

Type: number

closed

Description

Type: number

connattempt

Description

Type: number

conndrops

Description

Type: number

connects

Description

Type: number

delack

Description

Type: number

drops

Description

Type: number

earlyrexmit

Description

Type: number

finwait2_drops

Description

Type: number

keepdrops

Description

Type: number

keepprobe

Description

Type: number

keeptimeo

Description

Type: number

mburstlim

Description

Type: number

pawsdrop

Description

Type: number

persistdrop

Description

Type: number

persisttimeo

Description

Type: number

predack

Description

Type: number

preddat

Description

Type: number

proxyheaderv1

Description

Type: number

proxyheaderv2

Description

Type: number

rcvackbyte

Description

Type: number

rcvackpack

Description

Type: number

rcvacktoomuch

Description

Type: number

rcvbadoff

Description

Type: number

rcvbyte

Description

Type: number

rcvbyteafterwin

Description

Type: number

rcvdsack

Description

Type: number

rcvdupack

Description

Type: number

rcvdupbyte

Description

Type: number

rcvduppack

Description

Type: number

rcvmemdrop

Description

Type: number

rcvoobyte

Description

Type: number

rcvoopack

Description

Type: number

rcvpack

Description

Type: number

rcvpackafterwin

Description

Type: number

rcvpartdupbyte

Description

Type: number

rcvpartduppack

Description

Type: number

rcvtotal

Description

Type: number

rcvwinprobe

Description

Type: number

rcvwinupd

Description

Type: number

reassmemdrop

Description

Type: number

reasstimeout

Description

Type: number

rexmttimeo

Description

Type: number

rttupdated

Description

Type: number

sack_rcv_blocks

Description

Type: number

sack_recovery_episode

Description

Type: number

sack_rexmit_bytes

Description

Type: number

sack_rexmits

Description

Type: number

sack_send_blocks

Description

Type: number

segstimed

Description

Type: number

sndacks

Description

Type: number

sndbyte

Description

Type: number

sndcack

Description

Type: number

sndctrl

Description

Type: number

sndfin

Description

Type: number

sndpack

Description

Type: number

sndprobe

Description

Type: number

sndrexmitbad

Description

Type: number

sndrexmitbyte

Description

Type: number

sndrexmitpack

Description

Type: number

sndrst

Description

Type: number

sndsyn

Description

Type: number

sndtotal

Description

Type: number

sndurg

Description

Type: number

sndwinup

Description

Type: number

timeoutdrop

Description

Type: number

2.129.176 system tcp-stats stats

Statistics for the object tcp-stats

tcp-stats Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp-stats
Element URI	/axapi/v3/system/tcp-stats/stats
Element Attributes	tcp-stats_attributes
Partition Visibility	None
Schema	`tcp-stats schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp-stats/stats

tcp-stats attributes

Get Object

GET

/axapi/v3/system/tcp-stats/stats

tcp-stats attributes

Modify Object

POST

/axapi/v3/system/tcp-stats/stats

tcp-stats attributes

Replace Object

PUT

/axapi/v3/system/tcp-stats/stats

tcp-stats attributes

Delete Object

DELETE

/axapi/v3/system/tcp-stats/stats

tcp-stats attributes

tcp-stats attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

a2bappbuffering

Description Transition to full stack on when application buffers too much data

Type: number

Format: counter

a2bdupack

Description ATCP to BTCP Dup/OO ACK

Type: number

Format: counter

a2bfsmtransition

Description ATCP to BTCP state machine transition

Type: number

Format: counter

a2boodata

Description ATCP to BTCP oo data received

Type: number

Format: counter

a2bpartialack

Description ATCP to BTCP partial ack received

Type: number

Format: counter

a2brcvwnd

Description ATCP to BTCP receive window

Type: number

Format: counter

a2brxdata

Description ATCP to BTCP Rxmitted data

Type: number

Format: counter

a2bsackpresent

Description ATCP to BTCP SACK options present

Type: number

Format: counter

a2bsndwnd

Description ATCP to BTCP send window

Type: number

Format: counter

a2btcpoptions

Description ATCP to BTCP unsupported TCP options

Type: number

Format: counter

a2btransitionnum

Description ATCP to BTCP total transitions

Type: number

Format: counter

atcpbuffallocfail

Description Adaptive TCP buffer allocation fails

Type: number

Format: counter

atcpforward

Description Adaptive TCP forward

Type: number

Format: counter

atcprexmit

Description Adaptive TCP retransmits

Type: number

Format: counter

atcprexmitsadrop

Description Adaptive TCP transmit SA drops

Type: number

Format: counter

atcpsendbackack

Description Adaptive TCP sendback ACK

Type: number

Format: counter

atcpsendfail

Description Adaptive TCP sent fails

Type: number

Format: counter

atcpsent

Description Adaptive TCP sent

Type: number

Format: counter

b2atransitionnum

Description ATCP to BTCP total transitions

Type: number

Format: counter

bad_iochan

Description IO Channel Modified

Type: number

Format: counter

badrst

Description Ignored RST

Type: number

Format: counter

cacklim

Description Challenge ACK limited

Type: number

Format: counter

cc_idle

Description Congestion control window set do to idle

Type: number

Format: counter

cc_reduce

Description Congestion control window reduced by event

Type: number

Format: counter

closed

Description Connect closed

Type: number

Format: counter

connattempt

Description Connect initiated

Type: number

Format: counter

conndrops

Description Embryonic connect dropped

Type: number

Format: counter

connects

Description Connect established

Type: number

Format: counter

delack

Description Delayed acks sent

Type: number

Format: counter

drops

Description Connect dropped

Type: number

Format: counter

earlyrexmit

Description Early Retransmission sent

Type: number

Format: counter

finwait2_drops

Description Drop FIN_WAIT_2 connection after time limit

Type: number

Format: counter

keepdrops

Description Connect dropped in keepalive

Type: number

Format: counter

keepprobe

Description Keepalive probe sent

Type: number

Format: counter

keeptimeo

Description Keepalive timeout

Type: number

Format: counter

mburstlim

Description Maxburst limited tx

Type: number

Format: counter

pawsdrop

Description Segments dropped due to PAWS

Type: number

Format: counter

persistdrop

Description Timeout in persist state

Type: number

Format: counter

persisttimeo

Description Persist timeout

Type: number

Format: counter

predack

Description Hdr predict for acks

Type: number

Format: counter

preddat

Description Hdr predict for data pkts

Type: number

Format: counter

proxyheaderv1

Description Proxy header v1

Type: number

Format: counter

proxyheaderv2

Description Proxy header v2

Type: number

Format: counter

rcvackbyte

Description Bytes acked by rcvd acks

Type: number

Format: counter

rcvackpack

Description Rcvd ack packets

Type: number

Format: counter

rcvacktoomuch

Description Rcvd acks for unsent data

Type: number

Format: counter

rcvbadoff

Description Packet received with bad offset

Type: number

Format: counter

rcvbyte

Description Bytes received

Type: number

Format: counter

rcvbyteafterwin

Description Bytes rcvd after window

Type: number

Format: counter

rcvdsack

Description Rcvd DSACK packets

Type: number

Format: counter

rcvdupack

Description Rcvd duplicate acks

Type: number

Format: counter

rcvdupbyte

Description Duplicate bytes received

Type: number

Format: counter

rcvduppack

Description Duplicate packet received

Type: number

Format: counter

rcvmemdrop

Description Packet dropped for lack of memory

Type: number

Format: counter

rcvoobyte

Description Out-of-order bytes received

Type: number

Format: counter

rcvoopack

Description Out-of-order packet received

Type: number

Format: counter

rcvpack

Description Packet received

Type: number

Format: counter

rcvpackafterwin

Description Packets with data after window

Type: number

Format: counter

rcvpartdupbyte

Description Dup. bytes in part-dup. packets

Type: number

Format: counter

rcvpartduppack

Description Packet with some duplicate data

Type: number

Format: counter

rcvtotal

Description Total packet received

Type: number

Format: counter

rcvwinprobe

Description Rcvd window probe packet

Type: number

Format: counter

rcvwinupd

Description Rcvd window update packets

Type: number

Format: counter

reassmemdrop

Description Packet dropped during reassembly

Type: number

Format: counter

reasstimeout

Description Reassembly Time Out

Type: number

Format: counter

rexmttimeo

Description Retransmit timeout

Type: number

Format: counter

rttupdated

Description Update RTT

Type: number

Format: counter

sack_rcv_blocks

Description SACK received

Type: number

Format: counter

sack_recovery_episode

Description SACK recovery episodes

Type: number

Format: counter

sack_rexmit_bytes

Description SACK rexmit bytes

Type: number

Format: counter

sack_rexmits

Description SACK rexmit segments

Type: number

Format: counter

sack_send_blocks

Description SACK sent

Type: number

Format: counter

segstimed

Description Segs to get RTT

Type: number

Format: counter

sndacks

Description Ack packet sent

Type: number

Format: counter

sndbyte

Description Data bytes sent

Type: number

Format: counter

sndcack

Description Challenge ACK sent

Type: number

Format: counter

sndctrl

Description SYN|FIN|RST packet sent

Type: number

Format: counter

sndfin

Description FIN packet sent

Type: number

Format: counter

sndpack

Description Data packet sent

Type: number

Format: counter

sndprobe

Description Window probe sent

Type: number

Format: counter

sndrexmitbad

Description Unnecessary packet retransmit

Type: number

Format: counter

sndrexmitbyte

Description Data byte retransmit

Type: number

Format: counter

sndrexmitpack

Description Data packet retransmit

Type: number

Format: counter

sndrst

Description RST packet sent

Type: number

Format: counter

sndsyn

Description SYN packet sent

Type: number

Format: counter

sndtotal

Description Total packet sent

Type: number

Format: counter

sndurg

Description URG packet sent

Type: number

Format: counter

sndwinup

Description Window update packet sent

Type: number

Format: counter

timeoutdrop

Description Conn dropped in rxmt timeout

Type: number

Format: counter

2.129.177 system tcp-syn-per-sec

Tcp SYN's per sec

tcp-syn-per-sec Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp-syn-per-sec
Element URI	/axapi/v3/system/tcp-syn-per-sec
Element Attributes	tcp-syn-per-sec_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/tcp-syn-per-sec/oper
Schema	`tcp-syn-per-sec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

Get Object

GET

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

Modify Object

POST

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

Replace Object

PUT

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

Delete Object

DELETE

/axapi/v3/system/tcp-syn-per-sec

tcp-syn-per-sec attributes

tcp-syn-per-sec attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.178 system tcp-syn-per-sec oper

Operational Status for the object tcp-syn-per-sec

tcp-syn-per-sec Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tcp-syn-per-sec
Element URI	/axapi/v3/system/tcp-syn-per-sec/oper
Element Attributes	tcp-syn-per-sec_attributes
Partition Visibility	None
Schema	`tcp-syn-per-sec schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tcp-syn-per-sec/oper

tcp-syn-per-sec attributes

Get Object

GET

/axapi/v3/system/tcp-syn-per-sec/oper

tcp-syn-per-sec attributes

Modify Object

POST

/axapi/v3/system/tcp-syn-per-sec/oper

tcp-syn-per-sec attributes

Replace Object

PUT

/axapi/v3/system/tcp-syn-per-sec/oper

tcp-syn-per-sec attributes

Delete Object

DELETE

/axapi/v3/system/tcp-syn-per-sec/oper

tcp-syn-per-sec attributes

tcp-syn-per-sec attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

tcp-syn-per-sec

Description

Type: number

2.129.179 system telemetry-log

telemetry logs to be sent out

telemetry-log Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	telemetry-log
Element URI	/axapi/v3/system/telemetry-log
Element Attributes	telemetry-log_attributes
Partition Visibility	shared
Schema	`telemetry-log schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/telemetry-log

telemetry-log_attributes

telemetry-log attributes

device-status

Description: device-status is a **JSON Block**. Please see below for *device-status*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/device-status*

environment

Description: environment is a **JSON Block**. Please see below for *environment*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/environment*

partition-metrics

Description: partition-metrics is a **JSON Block**. Please see below for *partition-metrics*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/partition-metrics*

top-k-app-svc-list

Description: top-k-app-svc-list is a **JSON Block**. Please see below for *top-k-app-svc-list*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/top-k-app-svc-list*

top-k-source-list

Description: top-k-source-list is a **JSON Block**. Please see below for *top-k-source-list*

Type: Object

Reference Object: */axapi/v3/system/telemetry-log/top-k-source-list*

device-status

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

environment

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

partition-metrics

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-k-app-svc-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

top-k-source-list

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.180 system telemetry-log device-status

Device status

device-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	device-status
Element URI	/axapi/v3/system/telemetry-log/device-status
Element Attributes	device-status_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/telemetry-log/device-status/oper
Schema	`device-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/device-status

device-status attributes

Get Object

GET

/axapi/v3/system/telemetry-log/device-status

device-status attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/device-status

device-status attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/device-status

device-status attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/device-status

device-status attributes

device-status attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.181 system telemetry-log device-status oper

Operational Status for the object device-status

device-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	device-status
Element URI	/axapi/v3/system/telemetry-log/device-status/oper
Element Attributes	device-status_attributes
Partition Visibility	None
Schema	`device-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/device-status/oper

device-status attributes

Get Object

GET

/axapi/v3/system/telemetry-log/device-status/oper

device-status attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/device-status/oper

device-status attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/device-status/oper

device-status attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/device-status/oper

device-status attributes

device-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

control_cpu_usage

Description

Type: number

cpu_usage_overall

Description

Type: number

memory_usage

Description

Type: string

ratio_buffer_count

Description

Type: string

ratio_session_count

Description

Type: string

total_bytes_in

Description

Type: number

total_bytes_out

Description

Type: number

2.129.182 system telemetry-log environment

Device status

environment Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	environment
Element URI	/axapi/v3/system/telemetry-log/environment
Element Attributes	environment_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/telemetry-log/environment/oper
Schema	`environment schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/environment

environment attributes

Get Object

GET

/axapi/v3/system/telemetry-log/environment

environment attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/environment

environment attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/environment

environment attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/environment

environment attributes

environment attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.183 system telemetry-log environment oper

Operational Status for the object environment

environment Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	environment
Element URI	/axapi/v3/system/telemetry-log/environment/oper
Element Attributes	environment_attributes
Partition Visibility	None
Schema	`environment schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/environment/oper

environment attributes

Get Object

GET

/axapi/v3/system/telemetry-log/environment/oper

environment attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/environment/oper

environment attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/environment/oper

environment attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/environment/oper

environment attributes

environment attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

fan-report

Description

Type: string

fan-value

Description

Type: number

hw-fan-setting

Description

Type: string

physical-system-temperature

Description

Type: number

power-unit

Description

Type: string

system-voltage

Description

Type: string

2.129.184 system telemetry-log partition-metrics

data cpu usage details

partition-metrics Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	partition-metrics
Element URI	/axapi/v3/system/telemetry-log/partition-metrics
Element Attributes	partition-metrics_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/telemetry-log/partition-metrics/oper
Schema	`partition-metrics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

Get Object

GET

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/partition-metrics

partition-metrics attributes

partition-metrics attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.185 system telemetry-log partition-metrics oper

Operational Status for the object partition-metrics

partition-metrics Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	partition-metrics
Element URI	/axapi/v3/system/telemetry-log/partition-metrics/oper
Element Attributes	partition-metrics_attributes
Partition Visibility	None
Schema	`partition-metrics schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/partition-metrics/oper

partition-metrics attributes

Get Object

GET

/axapi/v3/system/telemetry-log/partition-metrics/oper

partition-metrics attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/partition-metrics/oper

partition-metrics attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/partition-metrics/oper

partition-metrics attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/partition-metrics/oper

partition-metrics attributes

partition-metrics attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

data_cpu_usage

Description

Type: number

2.129.186 system telemetry-log top-k-app-svc-list

top_k app svc list in a partition

top-k-app-svc-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-k-app-svc-list
Element URI	/axapi/v3/system/telemetry-log/top-k-app-svc-list
Element Attributes	top-k-app-svc-list_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/telemetry-log/top-k-app-svc-list/oper
Schema	`top-k-app-svc-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

Get Object

GET

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/top-k-app-svc-list

top-k-app-svc-list attributes

top-k-app-svc-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.187 system telemetry-log top-k-app-svc-list oper

Operational Status for the object top-k-app-svc-list

top-k-app-svc-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-k-app-svc-list
Element URI	/axapi/v3/system/telemetry-log/top-k-app-svc-list/oper
Element Attributes	top-k-app-svc-list_attributes
Partition Visibility	None
Schema	`top-k-app-svc-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/top-k-app-svc-list/oper

top-k-app-svc-list attributes

Get Object

GET

/axapi/v3/system/telemetry-log/top-k-app-svc-list/oper

top-k-app-svc-list attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/top-k-app-svc-list/oper

top-k-app-svc-list attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/top-k-app-svc-list/oper

top-k-app-svc-list attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/top-k-app-svc-list/oper

top-k-app-svc-list attributes

top-k-app-svc-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

top-k-app-svc-list

Type: List

oper_top-k-app-svc-list

Specification	Value
Type	*list*
Block object keys	

indicator

Description

Type: string

indicator-list

Type: List

oper_top-k-app-svc-list_indicator-list

Specification	Value
Type	*list*
Block object keys	

app-svc-name

Description

Type: string

app-svc-uuid

Description

Type: string

indicator-value

Description

Type: number

2.129.188 system telemetry-log top-k-source-list

top_k source list for a given app svc

top-k-source-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-k-source-list
Element URI	/axapi/v3/system/telemetry-log/top-k-source-list
Element Attributes	top-k-source-list_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/system/telemetry-log/top-k-source-list/oper
Schema	`top-k-source-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

Get Object

GET

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/top-k-source-list

top-k-source-list attributes

top-k-source-list attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.189 system telemetry-log top-k-source-list oper

Operational Status for the object top-k-source-list

top-k-source-list Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	top-k-source-list
Element URI	/axapi/v3/system/telemetry-log/top-k-source-list/oper
Element Attributes	top-k-source-list_attributes
Partition Visibility	None
Schema	`top-k-source-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/telemetry-log/top-k-source-list/oper

top-k-source-list attributes

Get Object

GET

/axapi/v3/system/telemetry-log/top-k-source-list/oper

top-k-source-list attributes

Modify Object

POST

/axapi/v3/system/telemetry-log/top-k-source-list/oper

top-k-source-list attributes

Replace Object

PUT

/axapi/v3/system/telemetry-log/top-k-source-list/oper

top-k-source-list attributes

Delete Object

DELETE

/axapi/v3/system/telemetry-log/top-k-source-list/oper

top-k-source-list attributes

top-k-source-list attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

top-k-source-list

Type: List

oper_top-k-source-list

Specification	Value
Type	*list*
Block object keys	

indicator

Description

Type: string

indicator-list

Type: List

oper_top-k-source-list_indicator-list

Specification	Value
Type	*list*
Block object keys	

indicator-value

Description

Type: number

ip-address

Description

Type: string

2.129.190 system template

Apply template to the whole system

template Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	template
Element URI	/axapi/v3/system/template
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/template

template attributes

```
POST /axapi/v3/system/template
Payload:
{
    "template": {
        "template-policy": "a"
    }
}
```

Get Object

GET

/axapi/v3/system/template

template attributes

```
GET /axapi/v3/system/template
Reponse:
{
    "template": {
        "template-policy": "a",
        "uuid": "8633054c-b71f-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/template"
    }
}
```

Modify Object

POST

/axapi/v3/system/template

template attributes

Replace Object

PUT

/axapi/v3/system/template

template attributes

```
PUT /axapi/v3/system/template
Payload:
{
    "template": {
        "template-policy": "a"
    }
}
```

Delete Object

DELETE

/axapi/v3/system/template

template attributes

```
DELETE /axapi/v3/system/template
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

template attributes

template-policy

Description Apply policy template to the whole system (Policy template name)

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/slb/template/policy*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.191 system template-bind

Apply template to the whole system

template-bind Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	template-bind
Element URI	/axapi/v3/system/template-bind
Element Attributes	template-bind_attributes
Partition Visibility	shared
Schema	`template-bind schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/template-bind

template-bind_attributes

template-bind attributes

monitor-list

Type: List

Reference Object: */axapi/v3/system/template-bind/monitor/{template-monitor}*

monitor-list

Specification	Value
Type	*list*
Block object keys	

template-monitor

Description Monitor template ID Number

Type: number

Range: 1-16

Reference Object: */axapi/v3/slb/template/monitor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.192 system template-bind monitor

Apply monitor template to the whole system

monitor Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*template-monitor*
Collection Name	*monitor-list*
Collection URI	/axapi/v3/system/template-bind/monitor
Element Name	monitor
Element URI	/axapi/v3/system/template-bind/monitor/{template-monitor}
Element Attributes	monitor_attributes
Partition Visibility	shared
Schema	`monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/template-bind/monitor

monitor attributes

```
POST /axapi/v3/system/template-bind/monitor/
Payload:
{
    "monitor": {
        "template-monitor": 1
    }
}
```

Create List

POST

/axapi/v3/system/template-bind/monitor

monitor attributes

Get Object

GET

/axapi/v3/system/template-bind/monitor/{template-monitor}

monitor attributes

```
GET /axapi/v3/system/template-bind/monitor/1
Reponse:
{
    "monitor": {
        "template-monitor": 1,
        "uuid": "c4d11712-b71f-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/template-bind/monitor/1"
    }
}
```

Get List

GET

/axapi/v3/system/template-bind/monitor

monitor-list

Modify Object

POST

/axapi/v3/system/template-bind/monitor/{template-monitor}

monitor attributes

Replace Object

PUT

/axapi/v3/system/template-bind/monitor/{template-monitor}

monitor attributes

```
PUT /axapi/v3/system/template-bind/monitor/1
Payload:
{
    "monitor": {
        "template-monitor": 1
    }
}
```

Replace List

PUT

/axapi/v3/system/template-bind/monitor

monitor-list

Delete Object

DELETE

/axapi/v3/system/template-bind/monitor/{template-monitor}

monitor attributes

```
DELETE /axapi/v3/system/template-bind/monitor/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

monitor-list

monitor-list is **JSON List** of *monitor attributes*

monitor-list : [

{ *monitor attributes* },

{ *monitor attributes* },

...

]

monitor attributes

template-monitor

Description Monitor template ID Number

Type: number

Range: 1-16

Reference Object: */axapi/v3/slb/template/monitor*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.193 system throughput

System throughput

throughput Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	throughput
Element URI	/axapi/v3/system/throughput
Element Attributes	throughput_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system/throughput/stats
Schema	`throughput schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/throughput

throughput attributes

```
POST /axapi/v3/system/throughput
Payload:
{
    "throughput": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system/throughput

throughput attributes

```
GET /axapi/v3/system/throughput
Reponse:
{
    "throughput": {
        "uuid": "5739bfe8-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system/throughput"
    }
}
```

Modify Object

POST

/axapi/v3/system/throughput

throughput attributes

Replace Object

PUT

/axapi/v3/system/throughput

throughput attributes

```
PUT /axapi/v3/system/throughput
Payload:
{
    "throughput": {
        "sampling-enable": [
            {
                "counters1": "global-system-throughput-bits-per-sec"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system/throughput

throughput attributes

```
DELETE /axapi/v3/system/throughput
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

throughput attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'global-system-throughput-bits-per-sec': Global System throughput in bits/sec; 'per-part-throughput-bits-per-sec': Partition throughput in bits/sec;

Type: string

Supported Values: all, global-system-throughput-bits-per-sec, per-part-throughput-bits-per-sec

2.129.194 system throughput stats

Statistics for the object throughput

throughput Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	throughput
Element URI	/axapi/v3/system/throughput/stats
Element Attributes	throughput_attributes
Partition Visibility	None
Schema	`throughput schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/throughput/stats

throughput attributes

Get Object

GET

/axapi/v3/system/throughput/stats

throughput attributes

Modify Object

POST

/axapi/v3/system/throughput/stats

throughput attributes

Replace Object

PUT

/axapi/v3/system/throughput/stats

throughput attributes

Delete Object

DELETE

/axapi/v3/system/throughput/stats

throughput attributes

throughput attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

global-system-throughput-bits-per-sec

Description Global System throughput in bits/sec

Type: number

Format: counter

per-part-throughput-bits-per-sec

Description Partition throughput in bits/sec

Type: number

Format: counter

2.129.195 system timeout-value

set the timeout to stop transferring a file

timeout-value Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	timeout-value
Element URI	/axapi/v3/system/timeout-value
Element Attributes	timeout-value_attributes
Partition Visibility	shared
Schema	`timeout-value schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/timeout-value

timeout-value attributes

```
POST /axapi/v3/system/timeout-value
Payload:
{
    "timeout-value": {
        "ftp": 0
    }
}
```

Get Object

GET

/axapi/v3/system/timeout-value

timeout-value attributes

```
GET /axapi/v3/system/timeout-value
Reponse:
{
    "timeout-value": {
        "ftp": 0,
        "scp": 300,
        "sftp": 0,
        "tftp": 300,
        "http": 120,
        "https": 120,
        "uuid": "573926be-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/timeout-value"
    }
}
```

Modify Object

POST

/axapi/v3/system/timeout-value

timeout-value attributes

Replace Object

PUT

/axapi/v3/system/timeout-value

timeout-value attributes

```
PUT /axapi/v3/system/timeout-value
Payload:
{
    "timeout-value": {
        "ftp": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/system/timeout-value

timeout-value attributes

```
DELETE /axapi/v3/system/timeout-value
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

timeout-value attributes

ftp

Description set timeout to stop ftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 120

http

Description set timeout to stop http transfer in seconds, 0 is no limit

Type: number

Range: 1-9999

Default: 120

https

Description set timeout to stop https transfer in seconds, 0 is no limit

Type: number

Range: 1-9999

Default: 120

scp

Description set timeout to stop scp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 300

sftp

Description set timeout to stop sftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 0

tftp

Description set timeout to stop tftp transfer in seconds, 0 is no limit

Type: number

Range: 0-9999

Default: 300

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.196 system tls-1-3-mgmt

To Enable/disable TLS 1.3 support on ACOS management plane

tls-1-3-mgmt Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tls-1-3-mgmt
Element URI	/axapi/v3/system/tls-1-3-mgmt
Element Attributes	tls-1-3-mgmt_attributes
Partition Visibility	shared
Schema	`tls-1-3-mgmt schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

```
POST /axapi/v3/system/tls-1-3-mgmt
Payload:
{
    "tls-1-3-mgmt": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

```
GET /axapi/v3/system/tls-1-3-mgmt
Reponse:
{
    "tls-1-3-mgmt": {
        "enable": 1,
        "uuid": "36a55f88-b720-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system/tls-1-3-mgmt"
    }
}
```

Modify Object

POST

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

Replace Object

PUT

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

Delete Object

DELETE

/axapi/v3/system/tls-1-3-mgmt

tls-1-3-mgmt attributes

```
DELETE /axapi/v3/system/tls-1-3-mgmt
```

(continues on next page)

(continued from previous page)

```
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tls-1-3-mgmt attributes

enable

Description Enable TLS 1.3 support on ACOS management plane

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.197 system trunk

System level Trunk configurations

trunk Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	trunk
Element URI	/axapi/v3/system/trunk
Element Attributes	trunk_attributes
Partition Visibility	shared
Schema	`trunk schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system/trunk

trunk_attributes

trunk attributes

load-balance

Description: load-balance is a **JSON Block**. Please see below for *load-balance*

Type: Object

Reference Object: */axapi/v3/system/trunk/load-balance*

load-balance

Specification	Value
Type	*object*

use-l3

Description Layer-3 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l3 and use-l4 are mutually exclusive

use-l4

Description Layer-3/4 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l4 and use-l3 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.198 system trunk-hw-hash

Set Trunk HW Hash Mode

trunk-hw-hash Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	trunk-hw-hash
Element URI	/axapi/v3/system/trunk-hw-hash
Element Attributes	trunk-hw-hash_attributes
Partition Visibility	shared
Schema	`trunk-hw-hash schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

```
POST /axapi/v3/system/trunk-hw-hash
Payload:
{
    "trunk-hw-hash": {
        "mode": 1
    }
}
```

Get Object

GET

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

Modify Object

POST

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

Replace Object

PUT

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

Delete Object

DELETE

/axapi/v3/system/trunk-hw-hash

trunk-hw-hash attributes

trunk-hw-hash attributes

mode

Description Set HW hash mode, default is 6 (1:dst-mac 2:src-mac 3:src-dst-mac 4:src-ip 5:dst-ip 6:rtag6 7:rtag7)

Type: number

Range: 1-7

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.199 system trunk load-balance

Configure Trunk load balancing options

load-balance Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	load-balance
Element URI	/axapi/v3/system/trunk/load-balance
Element Attributes	load-balance_attributes
Partition Visibility	shared
Schema	`load-balance schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/trunk/load-balance

load-balance attributes

```
POST /axapi/v3/system/trunk/load-balance
Payload:
{
    "load-balance": {
        "use-l3": 1
    }
}
```

Get Object

GET

/axapi/v3/system/trunk/load-balance

load-balance attributes

```
GET /axapi/v3/system/trunk/load-balance
Reponse:
{
    "load-balance": {
        "use-l3": 1,
        "uuid": "573995f4-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/trunk/load-balance"
    }
}
```

Modify Object

POST

/axapi/v3/system/trunk/load-balance

load-balance attributes

Replace Object

PUT

/axapi/v3/system/trunk/load-balance

load-balance attributes

Delete Object

DELETE

/axapi/v3/system/trunk/load-balance

load-balance attributes

load-balance attributes

use-l3

Description Layer-3 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l3 and use-l4 are mutually exclusive

use-l4

Description Layer-3/4 Header based load balancing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

Mutual Exclusion: use-l4 and use-l3 are mutually exclusive

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.200 system trunk-xaui-hw-hash

Set Trunk XAUI HW Hash Mode

trunk-xaui-hw-hash Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	trunk-xaui-hw-hash
Element URI	/axapi/v3/system/trunk-xaui-hw-hash
Element Attributes	trunk-xaui-hw-hash_attributes
Partition Visibility	shared
Schema	`trunk-xaui-hw-hash schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

```
POST /axapi/v3/system/trunk-xaui-hw-hash
Payload:
{
    "trunk-xaui-hw-hash": {
        "mode": 1
    }
}
```

Get Object

GET

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

Modify Object

POST

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

Replace Object

PUT

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

Delete Object

DELETE

/axapi/v3/system/trunk-xaui-hw-hash

trunk-xaui-hw-hash attributes

trunk-xaui-hw-hash attributes

mode

Description Set HW hash mode, default is 6 (1:dst-mac 2:src-mac 3:src-dst-mac 4:src-ip 5:dst-ip 6:rtag6 7:rtag7)

Type: number

Range: 1-7

Default: 6

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.201 system udp

System udp global config

udp Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	udp
Element URI	/axapi/v3/system/udp
Element Attributes	udp_attributes
Partition Visibility	shared
Schema	`udp schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/udp

udp attributes

Get Object

GET

/axapi/v3/system/udp

udp attributes

Modify Object

POST

/axapi/v3/system/udp

udp attributes

Replace Object

PUT

/axapi/v3/system/udp

udp attributes

Delete Object

DELETE

/axapi/v3/system/udp

udp attributes

udp attributes

skip-checksum-when-zero

Description When enabled, the system does not modify the L4 checksum if the original passthrough packet was received with UDP checksum valu

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.129.202 system upgrade-status oper

Operational Status for the object upgrade-status

upgrade-status Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	upgrade-status
Element URI	/axapi/v3/system/upgrade-status/oper
Element Attributes	upgrade-status_attributes
Partition Visibility	None
Schema	`upgrade-status schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/upgrade-status/oper

upgrade-status attributes

Get Object

GET

/axapi/v3/system/upgrade-status/oper

upgrade-status attributes

Modify Object

POST

/axapi/v3/system/upgrade-status/oper

upgrade-status attributes

Replace Object

PUT

/axapi/v3/system/upgrade-status/oper

upgrade-status attributes

Delete Object

DELETE

/axapi/v3/system/upgrade-status/oper

upgrade-status attributes

upgrade-status attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

message

Description

Type: string

rollback-pri

Description

Type: string

rollback-sec

Description

Type: string

status

Description

Type: number

2.129.203 system ve-mac-scheme

VE MAC allocation scheme

ve-mac-scheme Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ve-mac-scheme
Element URI	/axapi/v3/system/ve-mac-scheme
Element Attributes	ve-mac-scheme_attributes
Partition Visibility	shared
Schema	`ve-mac-scheme schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

```
POST /axapi/v3/system/ve-mac-scheme
Payload:
{
    "ve-mac-scheme": {
        "ve-mac-scheme-val": "hash-based"
    }
}
```

Get Object

GET

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

```
GET /axapi/v3/system/ve-mac-scheme
Reponse:
{
    "ve-mac-scheme": {
        "ve-mac-scheme-val": "hash-based",
        "uuid": "5739a382-b6f6-11ef-b25f-ae71681635d0",
        "a10-url": "/axapi/v3/system/ve-mac-scheme"
    }
}
```

Modify Object

POST

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

Replace Object

PUT

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

```
PUT /axapi/v3/system/ve-mac-scheme
Payload:
{
    "ve-mac-scheme": {
        "ve-mac-scheme-val": "hash-based"
    }
}
```

Delete Object

DELETE

/axapi/v3/system/ve-mac-scheme

ve-mac-scheme attributes

```
DELETE /axapi/v3/system/ve-mac-scheme
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Changes will come into effect next time you reload the Software."
    }
}
```

ve-mac-scheme attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ve-mac-scheme-val

Description 'hash-based': Hash-based using the VE number; 'round-robin': Round Robin scheme; 'system-mac': Use system MAC address;

Type: string

Supported Values: hash-based, round-robin, system-mac

Default: hash-based

2.129.204 system xaui-dlb-mode

Enable/Disable Dynamic Load Balancing traffic distribution support

xaui-dlb-mode Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	xaui-dlb-mode
Element URI	/axapi/v3/system/xaui-dlb-mode
Element Attributes	xaui-dlb-mode_attributes
Partition Visibility	shared
Schema	`xaui-dlb-mode schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system/xaui-dlb-mode

xaui-dlb-mode attributes

Get Object

GET

/axapi/v3/system/xaui-dlb-mode

xaui-dlb-mode attributes

Modify Object

POST

/axapi/v3/system/xaui-dlb-mode

xaui-dlb-mode attributes

Replace Object

PUT

/axapi/v3/system/xaui-dlb-mode

xaui-dlb-mode attributes

Delete Object

DELETE

/axapi/v3/system/xaui-dlb-mode

xaui-dlb-mode attributes

xaui-dlb-mode attributes

enable

Description Enable/Disable Dynamic Load Balancing traffic distribution support

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.130 system-2x40g-mode

Objects:

2.130.1 system-2x40g-mode

To enable/disable 40G port to split into 2x40g ports

system-2x40g-mode Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system-2x40g-mode
Element URI	/axapi/v3/system-2x40g-mode
Element Attributes	system-2x40g-mode_attributes
Partition Visibility	shared
Schema	`system-2x40g-mode schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

```
POST /axapi/v3/system-2x40g-mode
Payload:
{
    "system-2x40g-mode": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

Modify Object

POST

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

Replace Object

PUT

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

Delete Object

DELETE

/axapi/v3/system-2x40g-mode

system-2x40g-mode attributes

system-2x40g-mode attributes

enable

Description Enable/Disable 100G port to split into 2x40g ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.131 system-4x10g-mode

Objects:

2.131.1 system-4x10g-mode

To enable/disable 40G port to split into 4x10g ports

system-4x10g-mode Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system-4x10g-mode
Element URI	/axapi/v3/system-4x10g-mode
Element Attributes	system-4x10g-mode_attributes
Partition Visibility	shared
Schema	`system-4x10g-mode schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

```
POST /axapi/v3/system-4x10g-mode
Payload:
{
    "system-4x10g-mode": {
        "enable": 1
    }
}
```

Get Object

GET

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

Modify Object

POST

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

Replace Object

PUT

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

Delete Object

DELETE

/axapi/v3/system-4x10g-mode

system-4x10g-mode attributes

system-4x10g-mode attributes

enable

Description Enable/Disable 40G port to split into 4x10g ports

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.132 system-buff-debug

Objects:

2.132.1 system-buff-debug

System buff debug config

system-buff-debug Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system-buff-debug
Element URI	/axapi/v3/system-buff-debug
Element Attributes	system-buff-debug_attributes
Partition Visibility	shared
Schema	`system-buff-debug schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-buff-debug

system-buff-debug attributes

```
POST /axapi/v3/system-buff-debug
Payload:
{
    "system-buff-debug": {
        "action": "enable-buff-debug"
    }
}
```

Get Object

GET

/axapi/v3/system-buff-debug

system-buff-debug attributes

```
GET /axapi/v3/system-buff-debug
Reponse:
{
    "system-buff-debug": {
        "action": "enable-buff-debug",
        "uuid": "2012d2ba-b706-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system-buff-debug"
```

(continues on next page)

(continued from previous page)

```
    }
}
```

Modify Object

POST

/axapi/v3/system-buff-debug

system-buff-debug attributes

Replace Object

PUT

/axapi/v3/system-buff-debug

system-buff-debug attributes

Delete Object

DELETE

/axapi/v3/system-buff-debug

system-buff-debug attributes

system-buff-debug attributes

action

Description 'enable-buff-debug': Enable fpga buffer debugging; 'disable-buff-debug': Disable fpga buffer debugging;

Type: string

Supported Values: enable-buff-debug, disable-buff-debug

Default: enable-buff-debug

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.133 system-cpu

Objects:

2.133.1 system-cpu

System CPU usage

system-cpu Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	system-cpu
Element URI	/axapi/v3/system-cpu
Element Attributes	system-cpu_attributes
Partition Visibility	shared
Schema	`system-cpu schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system-cpu

system-cpu_attributes

system-cpu attributes

ctrl-cpu

Description: ctrl-cpu is a **JSON Block**. Please see below for *ctrl-cpu*

Type: Object

Reference Object: */axapi/v3/system-cpu/ctrl-cpu*

data-cpu

Description: data-cpu is a **JSON Block**. Please see below for *data-cpu*

Type: Object

Reference Object: */axapi/v3/system-cpu/data-cpu*

data-cpu-overall

Description: data-cpu-overall is a **JSON Block**. Please see below for *data-cpu-overall*

Type: Object

Reference Object: */axapi/v3/system-cpu/data-cpu-overall*

vport-data-cpu

Description: vport-data-cpu is a **JSON Block**. Please see below for *vport-data-cpu*

Type: Object

Reference Object: */axapi/v3/system-cpu/vport-data-cpu*

vserver-data-cpu

Description: vserver-data-cpu is a **JSON Block**. Please see below for *vserver-data-cpu*

Type: Object

Reference Object: */axapi/v3/system-cpu/vserver-data-cpu*

data-cpu-overall

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vserver-data-cpu

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

data-cpu

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ctrl-cpu

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

vport-data-cpu

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.133.2 system-cpu ctrl-cpu oper

Operational Status for the object ctrl-cpu

ctrl-cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	ctrl-cpu
Element URI	/axapi/v3/system-cpu/ctrl-cpu/oper
Element Attributes	ctrl-cpu_attributes
Partition Visibility	None
Schema	`ctrl-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-cpu/ctrl-cpu/oper

ctrl-cpu attributes

Get Object

GET

/axapi/v3/system-cpu/ctrl-cpu/oper

ctrl-cpu attributes

Modify Object

POST

/axapi/v3/system-cpu/ctrl-cpu/oper

ctrl-cpu attributes

Replace Object

PUT

/axapi/v3/system-cpu/ctrl-cpu/oper

ctrl-cpu attributes

Delete Object

DELETE

/axapi/v3/system-cpu/ctrl-cpu/oper

ctrl-cpu attributes

ctrl-cpu attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-usage

Type: List

current-time

Description

Type: string

number-of-cpu

Description

Type: number

oper_cpu-usage

Specification	Value
Type	*list*
Block object keys	

1-sec

Description

Type: number

10-sec

Description

Type: number

30-sec

Description

Type: number

5-sec

Description

Type: number

60-sec

Description

Type: number

cpu-id

Description

Type: number

2.133.3 system-cpu data-cpu oper

Operational Status for the object data-cpu

data-cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	data-cpu
Element URI	/axapi/v3/system-cpu/data-cpu/oper
Element Attributes	data-cpu_attributes
Partition Visibility	None
Schema	`data-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-cpu/data-cpu/oper

data-cpu attributes

Get Object

GET

/axapi/v3/system-cpu/data-cpu/oper

data-cpu attributes

Modify Object

POST

/axapi/v3/system-cpu/data-cpu/oper

data-cpu attributes

Replace Object

PUT

/axapi/v3/system-cpu/data-cpu/oper

data-cpu attributes

Delete Object

DELETE

/axapi/v3/system-cpu/data-cpu/oper

data-cpu attributes

data-cpu attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-usage

Type: List

number-of-cpu

Description

Type: number

number-of-data-cpu

Description

Type: number

oper_cpu-usage

Specification	Value
Type	*list*
Block object keys	

1-sec

Description

Type: number

10-sec

Description

Type: number

30-sec

Description

Type: number

5-sec

Description

Type: number

60-sec

Description

Type: number

cpu-id

Description

Type: number

dcpu-str

Description

Type: string

2.133.4 system-cpu data-cpu-overall oper

Operational Status for the object data-cpu-overall

data-cpu-overall Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	data-cpu-overall
Element URI	/axapi/v3/system-cpu/data-cpu-overall/oper
Element Attributes	data-cpu-overall_attributes
Partition Visibility	None
Schema	`data-cpu-overall schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-cpu/data-cpu-overall/oper

data-cpu-overall attributes

Get Object

GET

/axapi/v3/system-cpu/data-cpu-overall/oper

data-cpu-overall attributes

Modify Object

POST

/axapi/v3/system-cpu/data-cpu-overall/oper

data-cpu-overall attributes

Replace Object

PUT

/axapi/v3/system-cpu/data-cpu-overall/oper

data-cpu-overall attributes

Delete Object

DELETE

/axapi/v3/system-cpu/data-cpu-overall/oper

data-cpu-overall attributes

data-cpu-overall attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

cpu-usage

Type: List

number-of-cpu

Description

Type: number

number-of-data-cpu

Description

Type: number

oper_cpu-usage

Specification	Value
Type	*list*
Block object keys	

1-sec

Description

Type: number

10-sec

Description

Type: number

30-sec

Description

Type: number

5-sec

Description

Type: number

60-sec

Description

Type: number

cpu-id

Description

Type: number

dcpu-str

Description

Type: string

2.133.5 system-cpu vport-data-cpu oper

Operational Status for the object vport-data-cpu

vport-data-cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	vport-data-cpu
Element URI	/axapi/v3/system-cpu/vport-data-cpu/oper
Element Attributes	vport-data-cpu_attributes
Partition Visibility	None
Schema	`vport-data-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-cpu/vport-data-cpu/oper

vport-data-cpu attributes

Get Object

GET

/axapi/v3/system-cpu/vport-data-cpu/oper

vport-data-cpu attributes

Modify Object

POST

/axapi/v3/system-cpu/vport-data-cpu/oper

vport-data-cpu attributes

Replace Object

PUT

/axapi/v3/system-cpu/vport-data-cpu/oper

vport-data-cpu attributes

Delete Object

DELETE

/axapi/v3/system-cpu/vport-data-cpu/oper

vport-data-cpu attributes

vport-data-cpu attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

vport-cpu-usage

Type: List

oper_vport-cpu-usage

Specification	Value
Type	*list*
Block object keys	

1-sec

Description

Type: number

10-sec

Description

Type: number

30-sec

Description

Type: number

5-sec

Description

Type: number

60-sec

Description

Type: number

cpu-id

Description

Type: number

dcpu-str

Description

Type: string

portNumber

Description

Type: number

protocol

Description

Type: string

vport-type

Description

Type: string

vserver-name

Description

Type: string

2.133.6 system-cpu vserver-data-cpu oper

Operational Status for the object vserver-data-cpu

vserver-data-cpu Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	vserver-data-cpu
Element URI	/axapi/v3/system-cpu/vserver-data-cpu/oper
Element Attributes	vserver-data-cpu_attributes
Partition Visibility	None
Schema	`vserver-data-cpu schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-cpu/vserver-data-cpu/oper

vserver-data-cpu attributes

Get Object

GET

/axapi/v3/system-cpu/vserver-data-cpu/oper

vserver-data-cpu attributes

Modify Object

POST

/axapi/v3/system-cpu/vserver-data-cpu/oper

vserver-data-cpu attributes

Replace Object

PUT

/axapi/v3/system-cpu/vserver-data-cpu/oper

vserver-data-cpu attributes

Delete Object

DELETE

/axapi/v3/system-cpu/vserver-data-cpu/oper

vserver-data-cpu attributes

vserver-data-cpu attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

vserver-cpu-usage

Type: List

oper_vserver-cpu-usage

Specification	Value
Type	*list*
Block object keys	

1-sec

Description

Type: number

10-sec

Description

Type: number

30-sec

Description

Type: number

5-sec

Description

Type: number

60-sec

Description

Type: number

cpu-id

Description

Type: number

dcpu-str

Description

Type: string

vserver-name

Description

Type: string

2.134 system-jumbo-global

Objects:

2.134.1 system-jumbo-global

To enable/disable jumbo

system-jumbo-global Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	system-jumbo-global
Element URI	/axapi/v3/system-jumbo-global
Element Attributes	system-jumbo-global_attributes
Partition Visibility	shared
Schema	`system-jumbo-global schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

```
POST /axapi/v3/system-jumbo-global
Payload:
{
    "system-jumbo-global": {
        "enable-jumbo": 1
    }
}
```

Get Object

GET

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

```
GET /axapi/v3/system-jumbo-global
Reponse:
{
    "system-jumbo-global": {
        "enable-jumbo": 1,
        "uuid": "9aabfdb2-b710-11ef-b78f-ae71681635d0",
        "a10-url": "/axapi/v3/system-jumbo-global"
    }
}
```

Modify Object

POST

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

Replace Object

PUT

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

```
PUT /axapi/v3/system-jumbo-global
Payload:
{
    "system-jumbo-global": {
        "enable-jumbo": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/system-jumbo-global

system-jumbo-global attributes

```
DELETE /axapi/v3/system-jumbo-global
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "jumbo packet support will be disabled when the system comes back up␣
↪after reboot.\nPlease reboot the system when you are ready.\n"
    }
}
```

system-jumbo-global attributes

enable-jumbo

Description Enable jumbo frame

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.135 system-view

Objects:

2.135.1 system-view

View System Parameters

system-view Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	system-view
Element URI	/axapi/v3/system-view
Element Attributes	system-view_attributes
Partition Visibility	shared
Schema	`system-view schema`

Operations Allowed:

Get Object

GET

/axapi/v3/system-view

system-view_attributes

system-view attributes

chassis-detail

Description: chassis-detail is a **JSON Block**. Please see below for *chassis-detail*

Type: Object

Reference Object: */axapi/v3/system-view/chassis-detail*

hardware-view

Description: hardware-view is a **JSON Block**. Please see below for *hardware-view*

Type: Object

Reference Object: */axapi/v3/system-view/hardware-view*

hotfix

Description: hotfix is a **JSON Block**. Please see below for *hotfix*

Type: Object

Reference Object: */axapi/v3/system-view/hotfix*

memory-view

Description: memory-view is a **JSON Block**. Please see below for *memory-view*

Type: Object

Reference Object: */axapi/v3/system-view/memory-view*

show-backup

Description: show-backup is a **JSON Block**. Please see below for *show-backup*

Type: Object

Reference Object: */axapi/v3/system-view/show-backup*

show-monitor

Description: show-monitor is a **JSON Block**. Please see below for *show-monitor*

Type: Object

Reference Object: */axapi/v3/system-view/show-monitor*

show-process

Description: show-process is a **JSON Block**. Please see below for *show-process*

Type: Object

Reference Object: */axapi/v3/system-view/show-process*

show-monitor

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

show-backup

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

hardware-view

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

show-process

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

chassis-detail

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

memory-view

Specification	Value
Type	*object*

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

memory-view_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'usage-percentage': Usage percentage;

Type: string

Supported Values: all, usage-percentage

hotfix

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.135.2 system-view chassis-detail oper

Operational Status for the object chassis-detail

chassis-detail Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	chassis-detail
Element URI	/axapi/v3/system-view/chassis-detail/oper
Element Attributes	chassis-detail_attributes
Partition Visibility	None
Schema	`chassis-detail schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/chassis-detail/oper

chassis-detail attributes

Get Object

GET

/axapi/v3/system-view/chassis-detail/oper

chassis-detail attributes

Modify Object

POST

/axapi/v3/system-view/chassis-detail/oper

chassis-detail attributes

Replace Object

PUT

/axapi/v3/system-view/chassis-detail/oper

chassis-detail attributes

Delete Object

DELETE

/axapi/v3/system-view/chassis-detail/oper

chassis-detail attributes

chassis-detail attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

is_now_single_board

Description

Type: string

platform-name

Description

Type: string

single-brd-mode-fallback

Description

Type: string

single-brd-mode-forced

Description

Type: string

2.135.3 system-view hardware-view oper

Operational Status for the object hardware-view

hardware-view Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hardware-view
Element URI	/axapi/v3/system-view/hardware-view/oper
Element Attributes	hardware-view_attributes
Partition Visibility	None
Schema	`hardware-view schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/hardware-view/oper

hardware-view attributes

Get Object

GET

/axapi/v3/system-view/hardware-view/oper

hardware-view attributes

Modify Object

POST

/axapi/v3/system-view/hardware-view/oper

hardware-view attributes

Replace Object

PUT

/axapi/v3/system-view/hardware-view/oper

hardware-view attributes

Delete Object

DELETE

/axapi/v3/system-view/hardware-view/oper

hardware-view attributes

hardware-view attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

alldynamic

Description

Type: number

bios-release-date

Description

Type: string

bios-version

Description

Type: string

bypass-list

Type: List

bypass-pr

Description

Type: number

compression-cards

Description: compression-cards is a **JSON Block**. Please see below for *oper_compression-cards*

Type: Object

cpu

Description

Type: string

cpu-cores

Description

Type: number

cpu-stepping

Description

Type: number

disk-free

Description

Type: number

disk-percentage

Description

Type: number

disk-total

Description

Type: number

disk-used

Description

Type: number

disk1-status

Description

Type: string

disk2-status

Description

Type: string

fpga-date

Description

Type: string

fpga-summary

Description

Type: string

ipmi

Description

Type: string

l23-asic

Description

Type: string

mcpld-date

Description

Type: string

mcpld-type

Description

Type: number

memory

Description

Type: string

num-disks

Description

Type: number

nvm-firmware-versoin

Description

Type: string

octeon

Description

Type: number

plat-flag

Description

Type: string

platform-description

Description

Type: string

ports

Description

Type: string

psu1_np15

Description

Type: string

psu2_np15

Description

Type: string

raid-list

Type: List

raid_present

Description

Type: number

serial

Description

Type: string

spe_present

Description

Type: string

ssl-cards

Description: ssl-cards is a **JSON Block**. Please see below for *oper_ssl-cards*

Type: Object

storage

Description

Type: string

oper_ssl-cards

Specification	Value
Type	*object*

coleto-ssl-cards

Description

Type: number

hsm

Description

Type: number

nitrox1

Description

Type: number

nitrox2

Description

Type: number

nitrox3

Description

Type: number

nitrox3-cores

Description

Type: number

nitrox5

Description

Type: number

nitrox5-cores

Description

Type: number

nitroxpx

Description

Type: number

ssl-devices

Description

Type: number

unknown-ssl-cards

Description

Type: number

oper_raid-list

Specification	Value
Type	*list*
Block object keys	

md-name

Description

Type: string

md-pri

Description

Type: string

md-sec

Description

Type: string

oper_bypass-list

Specification	Value
Type	*list*
Block object keys	

bypass-info

Description

Type: string

bypass-name

Description

Type: string

oper_compression-cards

Specification	Value
Type	*object*

aha363

Description

Type: number

gzip-devices

Description

Type: number

unknown-compression

Description

Type: number

2.135.4 system-view hotfix oper

Operational Status for the object hotfix

hotfix Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	hotfix
Element URI	/axapi/v3/system-view/hotfix/oper
Element Attributes	hotfix_attributes
Partition Visibility	None
Schema	`hotfix schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/hotfix/oper

hotfix attributes

Get Object

GET

/axapi/v3/system-view/hotfix/oper

hotfix attributes

Modify Object

POST

/axapi/v3/system-view/hotfix/oper

hotfix attributes

Replace Object

PUT

/axapi/v3/system-view/hotfix/oper

hotfix attributes

Delete Object

DELETE

/axapi/v3/system-view/hotfix/oper

hotfix attributes

hotfix attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

applied

Description

Type: string

copied

Description

Type: string

2.135.5 system-view memory-view

Configure System Parameters

memory-view Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory-view
Element URI	/axapi/v3/system-view/memory-view
Element Attributes	memory-view_attributes
Partition Visibility	shared
Statistics Data URI	/axapi/v3/system-view/memory-view/stats
Operational Data URI	/axapi/v3/system-view/memory-view/oper
Schema	`memory-view schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/memory-view

memory-view attributes

```
POST /axapi/v3/system-view/memory-view
Payload:
{
    "memory-view": {
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ]
    }
}
```

Get Object

GET

/axapi/v3/system-view/memory-view

memory-view attributes

```
GET /axapi/v3/system-view/memory-view
Reponse:
{
    "memory-view": {
        "uuid": "5738f694-b6f6-11ef-b25f-ae71681635d0",
        "sampling-enable": [
            {
                "counters1": "all"
            }
        ],
        "a10-url": "/axapi/v3/system-view/memory-view"
    }
}
```

Modify Object

POST

/axapi/v3/system-view/memory-view

memory-view attributes

Replace Object

PUT

/axapi/v3/system-view/memory-view

memory-view attributes

```
PUT /axapi/v3/system-view/memory-view
Payload:
{
    "memory-view": {
        "sampling-enable": [
```

(continues on next page)

(continued from previous page)

```
            {
                "counters1": "usage-percentage"
            }
        ]
    }
}
```

Delete Object

DELETE

/axapi/v3/system-view/memory-view

memory-view attributes

```
DELETE /axapi/v3/system-view/memory-view
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

memory-view attributes

sampling-enable

Type: List

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'usage-percentage': Usage percentage;

Type: string

Supported Values: all, usage-percentage

2.135.6 system-view memory-view oper

Operational Status for the object memory-view

memory-view Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory-view
Element URI	/axapi/v3/system-view/memory-view/oper
Element Attributes	memory-view_attributes
Partition Visibility	None
Schema	`memory-view schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/memory-view/oper

memory-view attributes

Get Object

GET

/axapi/v3/system-view/memory-view/oper

memory-view attributes

Modify Object

POST

/axapi/v3/system-view/memory-view/oper

memory-view attributes

Replace Object

PUT

/axapi/v3/system-view/memory-view/oper

memory-view attributes

Delete Object

DELETE

/axapi/v3/system-view/memory-view/oper

memory-view attributes

memory-view attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

Buffers

Description

Type: number

Cached

Description

Type: number

Free

Description

Type: number

Linux-cache

Description

Type: number

Linux-free

Description

Type: number

Linux-usage

Description

Type: string

Linux-used

Description

Type: number

N2-memory

Type: List

Pool-total

Description

Type: number

Pool-unused

Description

Type: number

Pool-usage

Description

Type: string

Pool-used

Description

Type: number

SSL-memory

Type: List

Shared

Description

Type: number

System-memory

Type: List

TCP-memory

Type: List

Total

Description

Type: number

Usage

Description

Type: string

Used

Description

Type: number

aFleX-memory

Type: List

aflex-memory-counts

Description

Type: number

n2-memory-counts

Description

Type: number

ssl-memory-counts

Description

Type: number

system-memory-counts

Description

Type: number

tcp-memory-counts

Description

Type: number

oper_SSL-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

oper_N2-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

oper_aFleX-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

oper_TCP-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

oper_System-memory

Specification	Value
Type	*list*
Block object keys	

Allocated

Description

Type: number

Max

Description

Type: number

Object-size

Description

Type: number

2.135.7 system-view memory-view stats

Statistics for the object memory-view

memory-view Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	memory-view
Element URI	/axapi/v3/system-view/memory-view/stats
Element Attributes	memory-view_attributes
Partition Visibility	None
Schema	`memory-view schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/memory-view/stats

memory-view attributes

Get Object

GET

/axapi/v3/system-view/memory-view/stats

memory-view attributes

Modify Object

POST

/axapi/v3/system-view/memory-view/stats

memory-view attributes

Replace Object

PUT

/axapi/v3/system-view/memory-view/stats

memory-view attributes

Delete Object

DELETE

/axapi/v3/system-view/memory-view/stats

memory-view attributes

memory-view attributes

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

usage-percentage

Description Usage percentage

Type: number

Format: counter

2.135.8 system-view show-backup oper

Operational Status for the object show-backup

show-backup Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	show-backup
Element URI	/axapi/v3/system-view/show-backup/oper
Element Attributes	show-backup_attributes
Partition Visibility	None
Schema	`show-backup schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/show-backup/oper

show-backup attributes

Get Object

GET

/axapi/v3/system-view/show-backup/oper

show-backup attributes

Modify Object

POST

/axapi/v3/system-view/show-backup/oper

show-backup attributes

Replace Object

PUT

/axapi/v3/system-view/show-backup/oper

show-backup attributes

Delete Object

DELETE

/axapi/v3/system-view/show-backup/oper

show-backup attributes

show-backup attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

backup-show-1

Description

Type: string

backup-show-2

Description

Type: string

backup-show-3

Description

Type: string

2.135.9 system-view show-monitor oper

Operational Status for the object show-monitor

show-monitor Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	show-monitor
Element URI	/axapi/v3/system-view/show-monitor/oper
Element Attributes	show-monitor_attributes
Partition Visibility	None
Schema	`show-monitor schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/show-monitor/oper

show-monitor attributes

Get Object

GET

/axapi/v3/system-view/show-monitor/oper

show-monitor attributes

Modify Object

POST

/axapi/v3/system-view/show-monitor/oper

show-monitor attributes

Replace Object

PUT

/axapi/v3/system-view/show-monitor/oper

show-monitor attributes

Delete Object

DELETE

/axapi/v3/system-view/show-monitor/oper

show-monitor attributes

show-monitor attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

buff-drop

Description

Type: number

buff-value

Description

Type: number

ctrl-cpu

Description

Type: number

data-cpu

Description

Type: number

disk-value

Description

Type: number

mem-value

Description

Type: number

smp0

Description

Type: number

smp1

Description

Type: number

smp2

Description

Type: number

smp3

Description

Type: number

smp4

Description

Type: number

spm0

Description

Type: number

spm1

Description

Type: number

spm2

Description

Type: number

spm3

Description

Type: number

spm4

Description

Type: number

warn-temp

Description

Type: number

2.135.10 system-view show-process oper

Operational Status for the object show-process

show-process Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	show-process
Element URI	/axapi/v3/system-view/show-process/oper
Element Attributes	show-process_attributes
Partition Visibility	None
Schema	`show-process schema`

Operations Allowed:

Create Object

POST

/axapi/v3/system-view/show-process/oper

show-process attributes

Get Object

GET

/axapi/v3/system-view/show-process/oper

show-process attributes

Modify Object

POST

/axapi/v3/system-view/show-process/oper

show-process attributes

Replace Object

PUT

/axapi/v3/system-view/show-process/oper

show-process attributes

Delete Object

DELETE

/axapi/v3/system-view/show-process/oper

show-process attributes

show-process attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

proc-info

Type: List

oper_proc-info

Specification	Value
Type	*list*
Block object keys	

proc-data

Description

Type: string

2.136 tacacs-server

Objects:

2.136.1 tacacs-server

Configure TACACS+ servers

tacacs-server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tacacs-server
Element URI	/axapi/v3/tacacs-server
Element Attributes	tacacs-server_attributes
Partition Visibility	shared
Operational Data URI	/axapi/v3/tacacs-server/oper
Schema	`tacacs-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server

tacacs-server attributes

```
POST /axapi/v3/tacacs-server
Payload:
{
    "tacacs-server": {
        "monitor": 1,
        "interval": 1
    }
}
```

Get Object

GET

/axapi/v3/tacacs-server

tacacs-server attributes

```
GET /axapi/v3/tacacs-server
Reponse:
{
    "tacacs-server": {
        "monitor": 1,
        "interval": 1,
        "uuid": "e65d2cce-0880-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/tacacs-server"
    }
}
```

Modify Object

POST

/axapi/v3/tacacs-server

tacacs-server attributes

Replace Object

PUT

/axapi/v3/tacacs-server

tacacs-server attributes

```
PUT /axapi/v3/tacacs-server
Payload:
{
    "tacacs-server": {
        "monitor": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/tacacs-server

tacacs-server attributes

```
DELETE /axapi/v3/tacacs-server
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

tacacs-server attributes

host

Description: host is a **JSON Block**. Please see below for *host*

Type: Object

Reference Object: */axapi/v3/tacacs-server/host*

interval

Description The moniter interval in seconds (default 60)

Type: number

Range: 1-120

Default: 60

monitor

Description Configure TACACS+ servers

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host

Specification	Value
Type	*object*

ipv4-list

Type: List

Reference Object: */axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Reference Object: */axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}*

tacacs-hostname-list

Type: List

Reference Object: */axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}*

host_tacacs-hostname-list

Specification	Value
Type	*list*
Block object keys	

hostname

Description Hostname of TACACS+ server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *host_tacacs-hostname-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_tacacs-hostname-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_tacacs-hostname-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

host_tacacs-hostname-list_secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

host_ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of TACACS+ server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *host_ipv4-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv4-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv4-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

host_ipv4-list_secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

host_ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of TACACS+ server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *host_ipv6-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

host_ipv6-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *host_ipv6-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

host_ipv6-list_secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.136.2 tacacs-server host

Specify the hostname of TACACS+ server

host Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	host
Element URI	/axapi/v3/tacacs-server/host
Element Attributes	host_attributes
Partition Visibility	shared
Schema	`host schema`

Operations Allowed:

Get Object

GET

/axapi/v3/tacacs-server/host

host_attributes

```
GET /axapi/v3/tacacs-server/host
Reponse:
{
    "host": {
        "ipv4-list": [
            {
                "ipv4-addr": "3.3.3.3",
                "secret": {
                    "encrypted":
↪"lE8kxcRP12UFDsGC5JmUfqY0p7LWlrh7eahCwGEdblbgq04tUMWYHfISs/rW0l11",
                    "source-ip": "3.3.3.3",
                    "port-cfg": {
                        "port": 1,
                        "timeout": 12,
                        "monitor": 0
                    }
                },
                "uuid": "08d392ca-0881-11f0-847f-51c757813e60",
                "a10-url": "/axapi/v3/tacacs-server/host/ipv4/3.3.3.3"
            }
        ],
        "a10-url": "/axapi/v3/tacacs-server/host"
    }
}
```

host attributes

ipv4-list

Type: List

Reference Object: */axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}*

ipv6-list

Type: List

Reference Object: */axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}*

tacacs-hostname-list

Type: List

Reference Object: */axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}*

tacacs-hostname-list

Specification	Value
Type	*list*
Block object keys	

hostname

Description Hostname of TACACS+ server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *tacacs-hostname-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

tacacs-hostname-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *tacacs-hostname-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

tacacs-hostname-list_secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv4-list

Specification	Value
Type	*list*
Block object keys	

ipv4-addr

Description IPV4 address of TACACS+ server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *ipv4-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv4-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv4-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv4-list_secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

ipv6-list

Specification	Value
Type	*list*
Block object keys	

ipv6-addr

Description IPV6 address of TACACS+ server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *ipv6-list_secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

ipv6-list_secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *ipv6-list_secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

ipv6-list_secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.136.3 tacacs-server host ipv4

Specify the hostname of TACACS+ server

ipv4 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv4-addr*
Collection Name	*ipv4-list*
Collection URI	/axapi/v3/tacacs-server/host/ipv4
Element Name	ipv4
Element URI	/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}
Element Attributes	ipv4_attributes
Partition Visibility	shared
Schema	`ipv4 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server/host/ipv4

ipv4 attributes

```
POST /axapi/v3/tacacs-server/host/ipv4/
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "secret-value": "a",
            "source-ip": "3.3.3.3",
            "port-cfg": {
                "port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/tacacs-server/host/ipv4

ipv4 attributes

Get Object

GET

/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
GET /axapi/v3/tacacs-server/host/ipv4/3.3.3.3
Reponse:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
        "secret": {
            "encrypted": "n3z93N1EiUI/JjomMijBG5d1a4U5gqQTQNjUdpAF0bVGzxiJPB97BQsS/
↪m8H6eYT",
            "source-ip": "3.3.3.3",
            "port-cfg": {
                "port": 1,
                "timeout": 12,
                "monitor": 0
            }
        },
        "uuid": "247d4dd6-0881-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/tacacs-server/host/ipv4/3.3.3.3"
    }
}
```

Get List

GET

/axapi/v3/tacacs-server/host/ipv4

ipv4-list

Modify Object

POST

/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}

ipv4 attributes

Replace Object

PUT

/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
PUT /axapi/v3/tacacs-server/host/ipv4/3.3.3.3
Payload:
{
    "ipv4": {
        "ipv4-addr": "3.3.3.3",
```

(continues on next page)

(continued from previous page)

```
        "secret": {
            "secret-value": "abcd",
            "source-ip": "3.3.3.4",
            "port-cfg": {
                "port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/tacacs-server/host/ipv4

ipv4-list

Delete Object

DELETE

/axapi/v3/tacacs-server/host/ipv4/{ipv4-addr}

ipv4 attributes

```
DELETE /axapi/v3/tacacs-server/host/ipv4/3.3.3.3
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv4-list

ipv4-list is **JSON List** of *ipv4 attributes*

ipv4-list : [

{ *ipv4 attributes* },

{ *ipv4 attributes* },

...

]

ipv4 attributes

ipv4-addr

Description IPV4 address of TACACS+ server

Type: string

Format: ipv4-address

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.136.4 tacacs-server host ipv6

Specify the hostname of TACACS+ server

ipv6 Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*ipv6-addr*
Collection Name	*ipv6-list*
Collection URI	/axapi/v3/tacacs-server/host/ipv6
Element Name	ipv6
Element URI	/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}
Element Attributes	ipv6_attributes
Partition Visibility	shared
Schema	`ipv6 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server/host/ipv6

ipv6 attributes

```
POST /axapi/v3/tacacs-server/host/ipv6/
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "secret-value": "a",
            "source-ipv6": "2003::1",
            "port-cfg": {
                "port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/tacacs-server/host/ipv6

ipv6 attributes

Get Object

GET

/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
GET /axapi/v3/tacacs-server/host/ipv6/2003::1
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "encrypted": "kVs5yJO0RfxxCJa1So7mg/
↪Ygum5X62drk3yS2sJrW12iGYE+QHHSRInj0gRjVXRa",
            "source-ipv6": "2003::1",
            "port-cfg": {
                "port": 1,
                "timeout": 12,
                "monitor": 0
            }
        },
        "uuid": "87e35f00-0881-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/tacacs-server/host/ipv6/2003%3A%3A1"
    }
}
```

Get List

GET

/axapi/v3/tacacs-server/host/ipv6

ipv6-list

Modify Object

POST

/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}

ipv6 attributes

Replace Object

PUT

/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
PUT /axapi/v3/tacacs-server/host/ipv6/2003::1
Payload:
{
    "ipv6": {
        "ipv6-addr": "2003::1",
        "secret": {
            "secret-value": "abcd",
            "source-ipv6": "2003::2",
            "port-cfg": {
                "port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/tacacs-server/host/ipv6

ipv6-list

Delete Object

DELETE

/axapi/v3/tacacs-server/host/ipv6/{ipv6-addr}

ipv6 attributes

```
DELETE /axapi/v3/tacacs-server/host/ipv6/2003::1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ipv6-list

ipv6-list is **JSON List** of *ipv6 attributes*

ipv6-list : [

{ *ipv6 attributes* },

{ *ipv6 attributes* },

...

]

ipv6 attributes

ipv6-addr

Description IPV6 address of TACACS+ server

Type: string

Format: ipv6-address

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.136.5 tacacs-server host tacacs-hostname

Specify the hostname of TACACS+ server

tacacs-hostname Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*hostname*
Collection Name	*tacacs-hostname-list*
Collection URI	/axapi/v3/tacacs-server/host/tacacs-hostname
Element Name	tacacs-hostname
Element URI	/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}
Element Attributes	tacacs-hostname_attributes
Partition Visibility	shared
Schema	`tacacs-hostname schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server/host/tacacs-hostname

tacacs-hostname attributes

```
POST /axapi/v3/tacacs-server/host/tacacs-hostname/
Payload:
{
    "tacacs-hostname": {
        "hostname": "a.com",
        "secret": {
            "secret-value": "a",
```

(continues on next page)

(continued from previous page)

```
            "source-ip": "3.3.3.3",
            "port-cfg": {
                "port": 1
            }
        }
    }
}
```

Create List

POST

/axapi/v3/tacacs-server/host/tacacs-hostname

tacacs-hostname attributes

Get Object

GET

/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}

tacacs-hostname attributes

```
GET /axapi/v3/tacacs-server/host/tacacs-hostname/a.com
Reponse:
{
    "tacacs-hostname": {
        "hostname": "a.com",
        "secret": {
            "encrypted": "wweK4Qz5zbmH+PiUDss3G8laDFno/qsNM/
↪RZuY7lYCJTh7EinLfLiBUrn2Hr4Est",
            "source-ip": "3.3.3.3",
            "port-cfg": {
                "port": 1,
                "timeout": 12,
                "monitor": 0
            }
        },
        "uuid": "f4b34974-0881-11f0-847f-51c757813e60",
        "a10-url": "/axapi/v3/tacacs-server/host/tacacs-hostname/a.com"
    }
}
```

Get List

GET

/axapi/v3/tacacs-server/host/tacacs-hostname

tacacs-hostname-list

Modify Object

POST

/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}

tacacs-hostname attributes

Replace Object

PUT

/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}

tacacs-hostname attributes

```
PUT /axapi/v3/tacacs-server/host/tacacs-hostname/a.com
Payload:
{
    "tacacs-hostname": {
        "hostname": "a.com",
        "secret": {
            "secret-value": "abcd",
            "source-ip": "3.3.3.4",
            "port-cfg": {
                "port": 2
            }
        }
    }
}
```

Replace List

PUT

/axapi/v3/tacacs-server/host/tacacs-hostname

tacacs-hostname-list

Delete Object

DELETE

/axapi/v3/tacacs-server/host/tacacs-hostname/{hostname}

tacacs-hostname attributes

```
DELETE /axapi/v3/tacacs-server/host/tacacs-hostname/a.com
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

tacacs-hostname-list

tacacs-hostname-list is **JSON List** of *tacacs-hostname attributes*

tacacs-hostname-list : [

{ *tacacs-hostname attributes* },

{ *tacacs-hostname attributes* },

...

]

tacacs-hostname attributes

hostname

Description Hostname of TACACS+ server

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

secret

Description: secret is a **JSON Block**. Please see below for *secret*

Type: Object

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

secret

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) help-val The ENCRYPTED secret string

port-cfg

Description: port-cfg is a **JSON Block**. Please see below for *secret_port-cfg*

Type: Object

secret-value

Description The TACACS+ server's secret

Type: string

Format: password

Maximum Length: 127 characters

Maximum Length: 1 characters

source-eth

Description Ethernet interface (Port number)

Type: number

Format: interface

source-ip

Description IP address

Type: string

Format: ipv4-address

source-ipv6

Description IPV6 address

Type: string

Format: ipv6-address

source-lif

Description Logical interface (Lif interface number)

Type: number

Range: 1-128

source-loopback

Description Loopback interface (Port number)

Type: number

Format: interface

source-trunk

Description Trunk interface (Trunk interface number)

Type: number

Format: interface

source-ve

Description Virtual ethernet interface (Virtual ethernet interface number)

Type: number

Format: interface

secret_port-cfg

Specification	Value
Type	*object*

encrypted

Description Do NOT use this option manually. (This is an A10 reserved keyword.) (The ENCRYPTED secret string)

monitor

Description Specify monitor TACACS+ server

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password

Description Specify the user password

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

password-value

Description The user password

Type: string

Format: password

Maximum Length: 31 characters

Maximum Length: 1 characters

port

Description Specify the port number used by TACACS+ server.(default port is 49) (Port number (default 49))

Type: number

Range: 1-65535

Default: 49

timeout

Description Specify the maximum time allowed for setting up a connection with the TACACS+ server. (default timeout is 12 seconds) (Maximum time allowed for setting up a connection with the TACACS+ server, in seconds (default 12))

Type: number

Range: 1-12

Default: 12

username

Description Specify the username

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

2.136.6 tacacs-server oper

Operational Status for the object tacacs-server

tacacs-server Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	tacacs-server
Element URI	/axapi/v3/tacacs-server/oper
Element Attributes	tacacs-server_attributes
Partition Visibility	None
Schema	`tacacs-server schema`

Operations Allowed:

Create Object

POST

/axapi/v3/tacacs-server/oper

tacacs-server attributes

Get Object

GET

/axapi/v3/tacacs-server/oper

tacacs-server attributes

Modify Object

POST

/axapi/v3/tacacs-server/oper

tacacs-server attributes

Replace Object

PUT

/axapi/v3/tacacs-server/oper

tacacs-server attributes

Delete Object

DELETE

/axapi/v3/tacacs-server/oper

tacacs-server attributes

tacacs-server attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

tacacs-server-list

Type: List

oper_tacacs-server-list

Specification	Value
Type	*list*
Block object keys	

con_fail_attempts

Description

Type: number

last_available

Description

Type: number

monitor_oper

Description

Type: number

name

Description

Type: string

port

Description

Type: number

socket_aborts

Description

Type: number

socket_close

Description

Type: number

socket_errors

Description

Type: number

socket_failconn

Description

Type: number

socket_open

Description

Type: number

socket_rev

Description

Type: number

socket_send

Description

Type: number

socket_timeout

Description

Type: number

total_fail_auth

Description

Type: number

total_fail_conn

Description

Type: number

2.137 techreport

Objects:

2.137.1 techreport

Configure show tech

techreport Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	techreport
Element URI	/axapi/v3/techreport
Element Attributes	techreport_attributes
Partition Visibility	shared
Schema	`techreport schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport

techreport attributes

```
POST /axapi/v3/techreport
Payload:
{
    "techreport": {
        "disable": 1,
        "interval": {
            "value": 15
        }
    }
}
```

Get Object

GET

/axapi/v3/techreport

techreport attributes

```
GET /axapi/v3/techreport
Reponse:
{
    "techreport": {
        "disable": 1,
        "enable-full-history": 0,
        "uuid": "898e7092-b6a6-11ef-b71b-ae71681635d0",
        "interval": {
            "value": 15,
            "uuid": "898e7240-b6a6-11ef-b71b-ae71681635d0",
```

(continues on next page)

(continued from previous page)

```
            "a10-url": "/axapi/v3/techreport/interval"
        },
        "max-partitions": {
            "value": 30,
            "uuid": "898e745c-b6a6-11ef-b71b-ae71681635d0",
            "a10-url": "/axapi/v3/techreport/max-partitions"
        },
        "max-logfile-size": {
            "value": 1,
            "uuid": "898e7614-b6a6-11ef-b71b-ae71681635d0",
            "a10-url": "/axapi/v3/techreport/max-logfile-size"
        },
        "a10-url": "/axapi/v3/techreport"
    }
}
```

Modify Object

POST

/axapi/v3/techreport

techreport attributes

Replace Object

PUT

/axapi/v3/techreport

techreport attributes

```
PUT /axapi/v3/techreport
Payload:
{
    "techreport": {
        "disable": 0,
        "interval": {
            "value": 15
        }
    }
}
```

Delete Object

DELETE

/axapi/v3/techreport

techreport attributes

```
DELETE /axapi/v3/techreport
Reponse:
{
    "response": {
```

(continues on next page)

(continued from previous page)

```
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

techreport attributes

disable

Description Disable the polling techreport

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

enable-full-history

Description Enable 31 day poll techreports (default seven) on platforms with less than 32GB disk (no op otherwise)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

interval

Description: interval is a **JSON Block**. Please see below for *interval*

Type: Object

Reference Object: */axapi/v3/techreport/interval*

max-logfile-size

Description: max-logfile-size is a **JSON Block**. Please see below for *max-logfile-size*

Type: Object

Reference Object: */axapi/v3/techreport/max-logfile-size*

max-partitions

Description: max-partitions is a **JSON Block**. Please see below for *max-partitions*

Type: Object

Reference Object: */axapi/v3/techreport/max-partitions*

priority-partition-list

Type: List

Reference Object: */axapi/v3/techreport/priority-partition/{part-name}*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

max-logfile-size

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Log file size for periodic techsupport (default is 1)

Type: number

Range: 1-10

Default: 1

max-partitions

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Maximum partions to show in per periodic techsupport (default is 30)

Type: number

Range: 1-120

Default: 30

interval

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Showtech interval in minutes (default is 15)

Type: number

Range: 15-120

Default: 15

priority-partition-list

Specification	Value
Type	*list*
Block object keys	

part-name

Description Name of partition always want to show in showtech (shared is always shown by default)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.137.2 techreport interval

Configure polling techreport interval

interval Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	interval
Element URI	/axapi/v3/techreport/interval
Element Attributes	interval_attributes
Partition Visibility	shared
Schema	`interval schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport/interval

interval attributes

```
POST /axapi/v3/techreport/interval
Payload:
{
    "interval": {
        "value": 15
    }
}
```

Get Object

GET

/axapi/v3/techreport/interval

interval attributes

```
GET /axapi/v3/techreport/interval
Reponse:
{
    "interval": {
        "value": 15,
        "uuid": "898e7240-b6a6-11ef-b71b-ae71681635d0",
        "a10-url": "/axapi/v3/techreport/interval"
    }
}
```

Modify Object

POST

/axapi/v3/techreport/interval

interval attributes

Replace Object

PUT

/axapi/v3/techreport/interval

interval attributes

```
PUT /axapi/v3/techreport/interval
Payload:
{
    "interval": {
        "value": 15
    }
}
```

Delete Object

DELETE

/axapi/v3/techreport/interval

interval attributes

```
DELETE /axapi/v3/techreport/interval
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Polling techreport interval is 15\n"
    }
}
```

interval attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Showtech interval in minutes (default is 15)

Type: number

Range: 15-120

Default: 15

2.137.3 techreport max-logfile-size

Maximum logfile size for periodic techsupport

max-logfile-size Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	max-logfile-size
Element URI	/axapi/v3/techreport/max-logfile-size
Element Attributes	max-logfile-size_attributes
Partition Visibility	shared
Schema	`max-logfile-size schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

```
POST /axapi/v3/techreport/max-logfile-size
Payload:
{
    "max-logfile-size": {
        "value": 1
    }
}
```

Get Object

GET

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

```
GET /axapi/v3/techreport/max-logfile-size
Reponse:
{
    "max-logfile-size": {
        "value": 1,
        "uuid": "898e7614-b6a6-11ef-b71b-ae71681635d0",
        "a10-url": "/axapi/v3/techreport/max-logfile-size"
    }
}
```

Modify Object

POST

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

Replace Object

PUT

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

```
PUT /axapi/v3/techreport/max-logfile-size
Payload:
{
    "max-logfile-size": {
        "value": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/techreport/max-logfile-size

max-logfile-size attributes

```
DELETE /axapi/v3/techreport/max-logfile-size
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Polling periodic techreport logfile size is 1\n"
    }
}
```

max-logfile-size attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Log file size for periodic techsupport (default is 1)

Type: number

Range: 1-10

Default: 1

2.137.4 techreport max-partitions

Maximum partitions to show in per periodic techsupport

max-partitions Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	max-partitions
Element URI	/axapi/v3/techreport/max-partitions
Element Attributes	max-partitions_attributes
Partition Visibility	shared
Schema	`max-partitions schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport/max-partitions

max-partitions attributes

```
POST /axapi/v3/techreport/max-partitions
Payload:
{
    "max-partitions": {
        "value": 1
    }
}
```

Get Object

GET

/axapi/v3/techreport/max-partitions

max-partitions attributes

```
GET /axapi/v3/techreport/max-partitions
Reponse:
{
    "max-partitions": {
        "value": 1,
        "uuid": "898e745c-b6a6-11ef-b71b-ae71681635d0",
        "a10-url": "/axapi/v3/techreport/max-partitions"
    }
}
```

Modify Object

POST

/axapi/v3/techreport/max-partitions

max-partitions attributes

Replace Object

PUT

/axapi/v3/techreport/max-partitions

max-partitions attributes

```
PUT /axapi/v3/techreport/max-partitions
Payload:
{
    "max-partitions": {
        "value": 1
    }
}
```

Delete Object

DELETE

/axapi/v3/techreport/max-partitions

max-partitions attributes

```
DELETE /axapi/v3/techreport/max-partitions
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Polling periodic techreport max-partitions is 31\n"
    }
}
```

max-partitions attributes

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Maximum partions to show in per periodic techsupport (default is 30)

Type: number

Range: 1-120

Default: 30

2.137.5 techreport priority-partition

Configure partition to always poll for techreport

priority-partition Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*part-name*
Collection Name	*priority-partition-list*
Collection URI	/axapi/v3/techreport/priority-partition
Element Name	priority-partition
Element URI	/axapi/v3/techreport/priority-partition/{part-name}
Element Attributes	priority-partition_attributes
Partition Visibility	shared
Schema	`priority-partition schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techreport/priority-partition

priority-partition attributes

```
POST /axapi/v3/techreport/priority-partition/
Payload:
{
    "priority-partition": {
        "part-name": "a"
    }
}
```

Create List

POST

/axapi/v3/techreport/priority-partition

priority-partition attributes

Get Object

GET

/axapi/v3/techreport/priority-partition/{part-name}

priority-partition attributes

```
GET /axapi/v3/techreport/priority-partition/a
Reponse:
{
    "priority-partition": {
```

(continues on next page)

(continued from previous page)

```
        "part-name": "a",
        "uuid": "d1823ed0-b6e0-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/techreport/priority-partition/a"
    }
}
```

Get List

GET

/axapi/v3/techreport/priority-partition

priority-partition-list

Modify Object

POST

/axapi/v3/techreport/priority-partition/{part-name}

priority-partition attributes

Replace Object

PUT

/axapi/v3/techreport/priority-partition/{part-name}

priority-partition attributes

```
PUT /axapi/v3/techreport/priority-partition/a
Payload:
{
    "priority-partition": {
        "part-name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/techreport/priority-partition

priority-partition-list

Delete Object

DELETE

/axapi/v3/techreport/priority-partition/{part-name}

priority-partition attributes

```
DELETE /axapi/v3/techreport/priority-partition/a
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

priority-partition-list

priority-partition-list is **JSON List** of *priority-partition attributes*

priority-partition-list : [

{ *priority-partition attributes* },

{ *priority-partition attributes* },

...

]

priority-partition attributes

part-name

Description Name of partition always want to show in showtech (shared is always shown by default)

Type: string

Maximum Length: 14 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.138 techsupport

Objects:

2.138.1 techsupport showtech

Generates Show Tech file Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	Generates Show Tech file
Element URI	/axapi/v3/techsupport/showtech
Element Attributes	Generates Show Tech file_attributes
Partition Visibility	None
Schema	`Generates Show Tech file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Get Object

GET

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Modify Object

POST

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Replace Object

PUT

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Delete Object

DELETE

/axapi/v3/techsupport/showtech

Generates Show Tech file attributes

Generates Show Tech file attributes

2.138.2 techsupport vcsdebug

Generates aVCS debug file Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	Generates aVCS debug file
Element URI	/axapi/v3/techsupport/vcsdebug
Element Attributes	Generates aVCS debug file_attributes
Partition Visibility	None
Schema	`Generates aVCS debug file schema`

Operations Allowed:

Create Object

POST

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Get Object

GET

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Modify Object

POST

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Replace Object

PUT

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Delete Object

DELETE

/axapi/v3/techsupport/vcsdebug

Generates aVCS debug file attributes

Generates aVCS debug file attributes

2.139 template

Objects:

2.139.1 template

Define a Template

template Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	template
Element URI	/axapi/v3/template
Element Attributes	template_attributes
Partition Visibility	shared
Schema	`template schema`

Operations Allowed:

Get Object

GET

/axapi/v3/template

template_attributes

template attributes

apps

Description: apps is a **JSON Block**. Please see below for *apps*

Type: Object

Reference Object: */axapi/v3/template/apps*

csv-list

Type: List

Reference Object: */axapi/v3/template/csv/{csv-name}*

gtp

Description: gtp is a **JSON Block**. Please see below for *gtp*

Type: Object

Reference Object: */axapi/v3/template/gtp*

gtp-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp-policy/{name}*

ip-threat-action-list

Type: List

Reference Object: */axapi/v3/template/ip-threat-action/{template-number}*

lid-list

Type: List

Reference Object: */axapi/v3/template/lid/{lid-number}*

limit-policy-list

Type: List

Reference Object: */axapi/v3/template/limit-policy/{policy-number}*

sctp-list

Type: List

Reference Object: */axapi/v3/template/sctp/{name}*

syslog-over-tls

Description: syslog-over-tls is a **JSON Block**. Please see below for *syslog-over-tls*

Type: Object

Reference Object: */axapi/v3/template/syslog-over-tls*

gtp-policy-list

Specification	Value
Type	*list*
Block object keys	

filtering-policy-name

Description Specify GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/filtering-policy*

general-policy-name

Description Specify GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/general-policy*

logging-policy-name

Description Specify GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/logging-policy*

name

Description Configure the GTP Policy Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/templ-gtp-plcy-tmpl*

rate-limit-policy-name

Description Specify Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/rate-limit-policy*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

validation-policy-name

Description Specify GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/validation-policy*

gtp-policy-list_sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'gtp-v0-c-tunnel-created': GTPv0-C Tunnel Created; 'gtp-v0-c-tunnel-half-open': GTPv0-C Half open tunnel created; 'gtp-v0-c-tunnel-half-closed': GTPv0-C Tunnel Delete Request; 'gtp-v0-c-tunnel-closed': GTPv0-C Tunnel Marked Deleted; 'gtp-v0-c-tunnel-deleted': GTPv0-C Tunnel Deleted; 'gtp-v0-c-half-open-tunnel-closed': GTPv0-C Half open tunnel closed; 'gtp-v1-c-tunnel-created': GTPv1-C Tunnel Created; 'gtp-v1-c-tunnel-half-open': GTPv1-C Half open tunnel created; 'gtp-v1-c-tunnel-half-closed': GTPv1-C Tunnel Delete Request; 'gtp-v1-c-tunnel-closed': GTPv1-C Tunnel Marked Deleted; 'gtp-v1-c-tunnel-deleted': GTPv1-C Tunnel Deleted; 'gtp-v1-c-half-open-tunnel-closed': GTPv1-C Half open tunnel closed; 'gtp-v2-c-tunnel-created': GTPv2-C Tunnel Created; 'gtp-v2-c-tunnel-half-open': GTPv2-C Half open tunnel created; 'gtp-v2-c-tunnel-half-closed': GTPv2-C Tunnel Delete Request; 'gtp-v2-c-tunnel-closed': GTPv2-C Tunnel Marked Deleted; 'gtp-v2-c-tunnel-deleted': GTPv2-C Tunnel Deleted; 'gtp-v2-c-half-open-tunnel-closed': GTPv2-C Half open tunnel closed; 'gtp-u-tunnel-created': GTP-U Tunnel Created; 'gtp-u-tunnel-deleted': GTP-U Tunnel Deleted; 'gtp-v0-c-update-pdp-resp-unsuccess': GTPv0-C Update PDP Context Response Unsuccessful; 'gtp-v1-c-update-pdp-resp-unsuccess': GTPv1-C Update PDP Context Response Unsuccessful; 'gtp-v2-c-mod_bearer-resp-unsuccess': GTPv2-C Modify Bearer Response Unsuccessful; 'gtp-v0-c-create-pdp-resp-unsuccess': GTPv0-C Create PDP Context Response Unsuccessful; 'gtp-v1-c-create-pdp-resp-unsuccess': GTPv1-C Create PDP Context Response Unsuccessful; 'gtp-v2-c-create-sess-resp-unsuccess': GTPv2-C Create Session Response Unsuccessful; 'gtp-v2-c-piggyback-message': GTPv2-C Piggyback Message; 'gtp-path-management-message': GTP Path Management Messages Received; 'gtp-v0-c-tunnel-deleted-restart': GTPv0-C Tunnel Deleted with Restart/failure; 'gtp-v1-c-tunnel-deleted-restart': GTPv1-C Tunnel Deleted with Restart/failure; 'gtp-v2-c-tunnel-deleted-restart': GTPv2-C Tunnel Deleted with Restart/failure; 'gtp-v0-c-reserved-message-allow': Permit GTPv0-C Reserved Messages; 'gtp-v1-c-reserved-message-allow': Permit GTPv1-C Reserved Messages; 'gtp-v2-c-reserved-message-allow': Permit GTPv2-C Reserved

Messages; 'gtp-v2-c-load-contr-info-exceed': GTPv2-C Load Control Info IEs in message exceeded 2; 'gtp-v1-c-pdu-notification-request-forward': GTPv1-C PDU Notification Request Forward; 'gtp-v1-c-pdu-notification-reject-request-forward': GTPv1-C PDU Notification Reject Request Forward; 'gtp-v0-c-pdu-notification-request-forward': GTPv0-C PDU Notification Request Forward; 'gtp-v0-c-pdu-notification-reject-request-forward': GTPv0-C PDU Notification Reject Request Forward; 'gtp-v0-c-message-skipped-apn-filtering-no-imsi': GTPv0-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-v1-c-message-skipped-apn-filtering-no-imsi': GTPv1-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-v2-c-message-skipped-apn-filtering-no-imsi': GTPv2-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-v0-c-message-skipped-msisdn-filtering-no-imsi': GTPv0-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v1-c-message-skipped-msisdn-filtering-no-imsi': GTPv1-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v2-c-message-skipped-msisdn-filtering-no-imsi': GTPv2-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v0-c-packet-dummy-msisdn': GTPv0-C Packet With Dummy MSISDN Forwarded; 'gtp-v1-c-packet-dummy-msisdn': GTPv1-C Packet With Dummy MSISDN Forwarded; 'gtp-v2-c-packet-dummy-msisdn': GTPv2-C Packet With Dummy MSISDN Forwarded; 'drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected': Validation Drop: GTPv2-C Create Session Request with TEID; 'drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected': Validation Drop: GTPv1-C PDU Notification Request with TEID; 'drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected': Validation Drop: GTPv0-C PDU Notification Request with TEID; 'drop-vld-gtp-ie-repeat-count-exceed': Validation Drop: GTP repeated IE count exceeded; 'drop-vld-reserved-field-set': Validation Drop: Reserved Header Field Set; 'drop-vld-tunnel-id-flag': Validation Drop: Tunnel Header Flag Not Set; 'drop-vld-invalid-flow-label-v0': Validation Drop: Invalid Flow Label in GTPv0-C Header; 'drop-vld-invalid-teid': Validation Drop: Invalid TEID Value; 'drop-vld-out-of-state': Validation Drop: Out Of State GTP Message; 'drop-vld-mandatory-information-element': Validation Drop: Mandatory IE Not Present; 'drop-vld-mandatory-ie-in-grouped-ie': Validation Drop: Mandatory IE in Grouped IE Not Present; 'drop-vld-out-of-order-ie': Validation Drop: GTPv1-C Message Out of Order IE; 'drop-vld-out-of-state-ie': Validation Drop: Unexpected IE Present in Message; 'drop-vld-reserved-information-element': Validation Drop: Reserved IE Field Present; 'drop-vld-version-not-supported': Validation Drop: Invalid GTP version; 'drop-vld-message-length': Validation Drop: Message Length Exceeded; 'drop-vld-cross-layer-correlation': Validation Drop: Cross Layer IP Address Mismatch; 'drop-vld-country-code-mismatch': Validation Drop: Country Code Mismatch in IMSI and MSISDN; 'drop-vld-gtp-u-spoofed-source-address': Validation Drop: GTP-U IP Address Spoofed; 'drop-vld-gtp-bearer-count-exceed': Validation Drop: GTP Bearer count exceeded max (11); 'drop-vld-gtp-v2-wrong-lbi-create-bearer-req': Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request; 'gtp-c-handover-in-progress-with-conn': GTP-C matching a conn with Handover In Progress; 'drop-vld-v0-reserved-message-drop': Validation Drop: GTPv0-C Reserved Message Drop; 'drop-vld-v1-reserved-message-drop': Validation Drop: GTPv1-C Reserved Message Drop; 'drop-vld-v2-reserved-message-drop': Validation Drop: GTPv2-C Reserved Message Drop; 'drop-vld-invalid-pkt-len-piggyback': Validation Drop: Piggyback message invalid packet length; 'drop-vld-sanity-failed-piggyback': Validation Drop: piggyback message anomaly failed; 'drop-vld-sequence-num-correlation': Validation Drop: GTP-C Sequence number Mismatch; 'drop-vld-gtpv0-seqnum-buffer-full': Validation Drop: GTPV0-C conn Sequence number Buffer Full; 'drop-vld-gtpv1-seqnum-buffer-full': Validation Drop: GTPV1-C conn Sequence number Buffer Full; 'drop-vld-gtpv2-seqnum-buffer-full': Validation Drop: GTPV2-C conn Sequence number Buffer Full; 'drop-vld-gtp-invalid-imsi-len-drop': Validation Drop: GTP-C Invalid IMSI Length Drop; 'drop-vld-gtp-invalid-apn-len-drop': Validation Drop: GTP-C Invalid APN Length Drop; 'drop-vld-protocol-flag-unset': Validation Drop: Protocol flag in Header Field not Set; 'drop-vld-gtpv0-subscriber-attr-miss': Validation Drop: GTPV0-c Subscriber Attributes Missing; 'drop-vld-gtpv1-subscriber-attr-miss': Validation Drop: GTPV1-c Subscriber Attributes Missing; 'drop-vld-gtpv2-subscriber-attr-miss': Validation Drop: GTPV2-c Subscriber Attributes Missing; 'drop-vld-gtp-v0-c-ie-len-exceed-msg-len': GTPv0-C IE Length Exceeds Message Length; 'drop-vld-gtp-v1-c-ie-len-exceed-

msg-len': GTPv1-C IE Length Exceeds Message Length; 'drop-vld-gtp-v2-c-ie-len-exceed-msg-len': GTPv2-C IE Length Exceeds Message Length; 'drop-vld-gtp-v0-c-message-length-mismatch': GTPv0-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v1-c-message-length-mismatch': GTPv1-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v2-c-message-length-mismatch': GTPv2-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv0-C APN/IMSI Filtering Dropped (No APN); 'drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv1-C APN/IMSI Filtering Dropped (No APN); 'drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv2-C APN/IMSI Filtering Dropped (No APN);

Type: string

Supported Values: all, gtp-v0-c-tunnel-created, gtp-v0-c-tunnel-half-open, gtp-v0-c-tunnel-half-closed, gtp-v0-c-tunnel-closed, gtp-v0-c-tunnel-deleted, gtp-v0-c-half-open-tunnel-closed, gtp-v1-c-tunnel-created, gtp-v1-c-tunnel-half-open, gtp-v1-c-tunnel-half-closed, gtp-v1-c-tunnel-closed, gtp-v1-c-tunnel-deleted, gtp-v1-c-half-open-tunnel-closed, gtp-v2-c-tunnel-created, gtp-v2-c-tunnel-half-open, gtp-v2-c-tunnel-half-closed, gtp-v2-c-tunnel-closed, gtp-v2-c-tunnel-deleted, gtp-v2-c-half-open-tunnel-closed, gtp-u-tunnel-created, gtp-u-tunnel-deleted, gtp-v0-c-update-pdp-resp-unsuccess, gtp-v1-c-update-pdp-resp-unsuccess, gtp-v2-c-mod_bearer-resp-unsuccess, gtp-v0-c-create-pdp-resp-unsuccess, gtp-v1-c-create-pdp-resp-unsuccess, gtp-v2-c-create-sess-resp-unsuccess, gtp-v2-c-piggyback-message, gtp-path-management-message, gtp-v0-c-tunnel-deleted-restart, gtp-v1-c-tunnel-deleted-restart, gtp-v2-c-tunnel-deleted-restart, gtp-v0-c-reserved-message-allow, gtp-v1-c-reserved-message-allow, gtp-v2-c-reserved-message-allow, gtp-v2-c-load-contr-info-exceed, gtp-v1-c-pdu-notification-request-forward, gtp-v1-c-pdu-notification-reject-request-forward, gtp-v0-c-pdu-notification-request-forward, gtp-v0-c-pdu-notification-reject-request-forward, gtp-v0-c-message-skipped-apn-filtering-no-imsi, gtp-v1-c-message-skipped-apn-filtering-no-imsi, gtp-v2-c-message-skipped-apn-filtering-no-imsi, gtp-v0-c-message-skipped-msisdn-filtering-no-imsi, gtp-v1-c-message-skipped-msisdn-filtering-no-imsi, gtp-v2-c-message-skipped-msisdn-filtering-no-imsi, gtp-v0-c-packet-dummy-msisdn, gtp-v1-c-packet-dummy-msisdn, gtp-v2-c-packet-dummy-msisdn, drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected, drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected, drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected, drop-vld-gtp-ie-repeat-count-exceed, drop-vld-reserved-field-set, drop-vld-tunnel-id-flag, drop-vld-invalid-flow-label-v0, drop-vld-invalid-teid, drop-vld-out-of-state, drop-vld-mandatory-information-element, drop-vld-mandatory-ie-in-grouped-ie, drop-vld-out-of-order-ie, drop-vld-out-of-state-ie, drop-vld-reserved-information-element, drop-vld-version-not-supported, drop-vld-message-length, drop-vld-cross-layer-correlation, drop-vld-country-code-mismatch, drop-vld-gtp-u-spoofed-source-address, drop-vld-gtp-bearer-count-exceed, drop-vld-gtp-v2-wrong-lbi-create-bearer-req, gtp-c-handover-in-progress-with-conn, drop-vld-v0-reserved-message-drop, drop-vld-v1-reserved-message-drop, drop-vld-v2-reserved-message-drop, drop-vld-invalid-pkt-len-piggyback, drop-vld-sanity-failed-piggyback, drop-vld-sequence-num-correlation, drop-vld-gtpv0-seqnum-buffer-full, drop-vld-gtpv1-seqnum-buffer-full, drop-vld-gtpv2-seqnum-buffer-full, drop-vld-gtp-invalid-imsi-len-drop, drop-vld-gtp-invalid-apn-len-drop, drop-vld-protocol-flag-unset, drop-vld-gtpv0-subscriber-attr-miss, drop-vld-gtpv1-subscriber-attr-miss, drop-vld-gtpv2-subscriber-attr-miss, drop-vld-gtp-v0-c-ie-len-exceed-msg-len, drop-vld-gtp-v1-c-ie-len-exceed-msg-len, drop-vld-gtp-v2-c-ie-len-exceed-msg-len, drop-vld-gtp-v0-c-message-length-mismatch, drop-vld-gtp-v1-c-message-length-mismatch, drop-vld-gtp-v2-c-message-length-mismatch, vld-message-monitor, gen-message-length-monitor, drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn, drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn

counters2

Description 'drop-flt-message-filtering': Filtering Drop: Message Type Not Permitted on Interface; 'drop-flt-apn-filtering': Filtering Drop: APN IMSI Filtering; 'drop-flt-msisdn-

filtering': Filtering Drop: MSISDN Filtering; 'drop-flt-rat-type-filtering': Filtering Drop: RAT Type Filtering; 'drop-flt-gtp-in-gtp': Filtering Drop: GTP in GTP Tunnel Present; 'drop-rl-gtp-v0-c-agg': Rate-limit Drop: Maximum GTPv0-C Message rate; 'drop-rl-gtp-v1-c-agg': Rate-limit Drop: Maximum GTPv1-C Message rate; 'drop-rl-gtp-v2-c-agg': Rate-limit Drop: Maximum GTPv2-C Message rate; 'drop-rl-gtp-v1-c-create-pdp-request': Rate-limit Drop: GTPv1-C Create PDP Request rate; 'drop-rl-gtp-v2-c-create-session-request': Rate-limit Drop: GTPv2-C Create Session Request rate; 'drop-rl-gtp-v1-c-update-pdp-request': Rate-limit Drop: GTPv1-C Update PDP Request rate; 'drop-rl-gtp-v2-c-modify-bearer-request': Rate-limit Drop: GTPv2-C Modify Bearer Request rate; 'drop-rl-gtp-u-tunnel-create': Rate-limit Drop: GTP-U Tunnel Creation rate; 'drop-rl-gtp-u-uplink-byte': Rate-limit Drop: GTP-U Uplink byte rate; 'drop-rl-gtp-u-uplink-packet': Rate-limit Drop: GTP-U Uplink packet rate; 'drop-rl-gtp-u-downlink-byte': Rate-limit Drop: GTP-U Downlink byte rate; 'drop-rl-gtp-u-downlink-packet': Rate-limit Drop: GTP-U Downlink packet rate; 'drop-rl-gtp-u-total-byte': Rate-limit Drop: GTP-U Total byte rate; 'drop-rl-gtp-u-total-packet': Rate-limit Drop: GTP-U Total packet rate; 'drop-rl-gtp-u-max-concurrent-tunnels': Rate-limit Drop: GTP-U Concurrent Tunnels;

Type: string

Supported Values: drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn, drop-flt-message-filtering, drop-flt-apn-filtering, drop-flt-msisdn-filtering, drop-flt-rat-type-filtering, drop-flt-gtp-in-gtp, flt-message-monitor, rat-flt-message-monitor, apn-imsi-flt-message-monitor, msisdn-flt-message-monitor, gtp-in-gtp-flt-message-monitor, drop-rl-gtp-v0-c-agg, drop-rl-gtp-v1-c-agg, drop-rl-gtp-v2-c-agg, drop-rl-gtp-v1-c-create-pdp-request, drop-rl-gtp-v2-c-create-session-request, drop-rl-gtp-v1-c-update-pdp-request, drop-rl-gtp-v2-c-modify-bearer-request, drop-rl-gtp-u-tunnel-create, drop-rl-gtp-u-uplink-byte, drop-rl-gtp-u-uplink-packet, drop-rl-gtp-u-downlink-byte, drop-rl-gtp-u-downlink-packet, drop-rl-gtp-u-total-byte, drop-rl-gtp-u-total-packet, drop-rl-gtp-u-max-concurrent-tunnels, rl-message-monitor

lid-list

Specification	Value
Type	*list*
Block object keys	

ddos-protection-factor

Description Enable DDoS Protection (Multiplier of the downlink PPS)

Type: number

Range: 1-50

downlink-pps

Description Downlink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

downlink-throughput

Description Downlink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

lid-number

Description Lid Number

Type: number

Range: 1-1023

limit-cps

Description Enable Connections Per Second Rate Limit (Number of Connections per second)

Type: number

Range: 1-2147483647

limit-rate

Description 'limit-pps': Enable Packets Per Second Rate Limit; 'limit-throughput': Enable Throughput Rate Limit;

Type: string

Supported Values: limit-pps, limit-throughput

respond-to-user-mac

Description Use the user's source MAC for the next hop rather than the routing table (default:off)

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

src-ip

Description: src-ip is a **JSON Block**. Please see below for *lid-list_src-ip*

Type: Object

total-pps

Description Total PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

total-throughput

Description Total Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

uplink-pps

Description Uplink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

uplink-throughput

Description Uplink Throughput limit (Mega Bits per second)

Type: number

Range: 1-100000

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

lid-list_src-ip

Specification	Value
Type	*object*

burstsize-cps

Description CPS Token Bucket Size (Must Exceed Configured Rate) (In Connections per second)

Type: number

Range: 1-2147483647

burstsize-downlink-pps

Description Downlink PPS Token Bucket Size (Must Exceed Configured Rate) (In Packets)

Type: number

Range: 1-2147483647

burstsize-downlink-throughput

Description Downlink Throughput Token Bucket Size (Must Exceed Configured Rate) (In Mega Bits per second)

Type: number

Range: 1-100000

burstsize-total-pps

Description Total PPS Token Bucket Size (Must Exceed Configured Rate) (In Packets)

Type: number

Range: 1-2147483647

burstsize-total-throughput

Description Total Throughput Token Bucket Size (Must Exceed Configured Rate) (In Mega Bits per second)

Type: number

Range: 1-100000

burstsize-uplink-pps

Description Uplink PPS Token Bucket Size (Must Exceed Configured Rate) (In Packets)

Type: number

Range: 1-2147483647

burstsize-uplink-throughput

Description Uplink Throughput Token Bucket Size (Must Exceed Configured Rate) (In Mega Bits per second)

Type: number

Range: 1-100000

concurrent-sessions

Description Concurrent Session Limit per Source IP Address (Number of Concurrent Sessions)

Type: number

Range: 1-2147483647

log

Description Log when Session Limit is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

prefix-length

Description Source prefix length

Type: number

Range: 1-128

csv-list

Specification	Value
Type	*list*
Block object keys	

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

csv-list_multiple-fields

Specification	Value
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city, ASN

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

ip-threat-action-list

Specification	Value
Type	*list*
Block object keys	

idle-timeout

Description Idle timeout in minutes(default:5)

Type: number

Range: 1-1440

Default: 5

log

Description 'enable': Enable logging; 'disable': Disable logging (Default);

Type: string

Supported Values: enable, disable

Default: disable

template-number

Description Template Number

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apps

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp

Specification	Value
Type	*object*

apn-imsi-list-list

Type: List

Reference Object: */axapi/v3/template/gtp/apn-imsi-list/{name}*

filtering-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/filtering-policy/{name}*

general-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/general-policy/{name}*

logging-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/logging-policy/{name}*

message-filtering-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}*

msisdn-list-list

Type: List

Reference Object: */axapi/v3/template/gtp/msisdn-list/{name}*

rate-limit-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/rate-limit-policy/{name}*

validation-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/validation-policy/{name}*

gtp_message-filtering-policy-list

Specification	Value
Type	*list*
Block object keys	

interface-type

Description 'roaming': Roaming Interface(S8/Gp); 'non-roaming': Non-Roaming Interface(S5/Gn);

Type: string

Supported Values: roaming, non-roaming

name

Description Specify name of the GTP Message Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v0

Description: version-v0 is a **JSON Block**. Please see below for *gtp_message-filtering-policy-list_version-v0*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0*

version-v1

Description: version-v1 is a **JSON Block**. Please see below for *gtp_message-filtering-policy-list_version-v1*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1*

version-v2

Description: version-v2 is a **JSON Block**. Please see below for *gtp_message-filtering-policy-list_version-v2*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2*

gtp_message-filtering-policy-list_version-v1

Specification	Value
Type	*object*

create-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

initiate-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

mbms-deregistration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-registration

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ms-info-change

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pdu-notification

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-mbms

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_message-filtering-policy-list_version-v0

Specification	Value
Type	*object*

create-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_message-filtering-policy-list_version-v2

Specification	Value
Type	*object*

bearer-resource

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

change-notification

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-command

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description ‘enable’: Enable Message Filtering on version; ‘disable’: Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

modify-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

modify-command

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pgw-downlink-trigger

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

remote-ue-report

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

resume

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

suspend

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

trace-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

update-pdn

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_msisdn-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'permit': Create a whitelist to permit the packets that match MSISDN filters; 'deny': Create a blacklist to deny the packets that match MSISDN filters;

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP MSISDN list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_msisdn-list-list_str-list

Specification	Value
Type	*list*
Block object keys	

msisdn

Description Specify the MSISDN filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

gtp_general-policy-list

Specification	Value
Type	*list*
Block object keys	

handover-timeout

Description Tunnel Inactivity Timeout during Handover in minutes (default: 2 mins)

Type: number

Range: 1-63

Default: 2

max-mesg-length-action

Description 'monitor': Forward failed packet; 'drop': drop packet failing check(Default);

Type: string

Supported Values: monitor, drop

Default: drop

maximum-message-length

Description Maximum message length for a GTP message in bytes

Type: number

Range: 64-1500

Default: 1500

name

Description Specify name of the GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-timeout

Description Tunnel Inactivity Timeout in minutes (default: 1440 minutes)

Type: number

Range: 5-60000

Default: 1440

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-action

Description 'permit': Permit GTP-C version 0; 'drop': Drop GTP-C version 0(Default);

Type: string

Supported Values: permit, drop

Default: drop

gtp_filtering-policy-list

Specification	Value
Type	*list*
Block object keys	

apn-imsi-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

apn-imsi-filtering

Description Specify the APN IMSI Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/apn-imsi-list*

gtp-in-gtp-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

gtp-in-gtp-filtering

Description 'enable': Enable GTP-in-GTP Filtering; 'disable': Disable GTP-in-GTP Filtering;

Type: string

Supported Values: enable, disable

Default: enable

message-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

message-filtering-policy-name

Description Specify the Message Filtering Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/message-filtering-policy*

msisdn-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-filtering

Description Specify the MSISDN Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/msisdn-list*

name

Description Specify name of the GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rat-type-filtering

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_filtering-policy-list_rat-type-filtering

Specification	Value
Type	*list*
Block object keys	

rat-type-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

rat-type-value

Description 'utran': RAT Type for 3G Networks; 'geran': RAT Type for 2G Networks; 'wlan': RAT Type for WLAN Networks; 'gan': RAT Type for GAN Networks; 'hspa-evolution': RAT Type for HSPA Networks; 'eutran': RAT Type for 4G Networks;

Type: string

Supported Values: utran, geran, wlan, gan, hspa-evolution, eutran

gtp_rate-limit-policy-list

Specification	Value
Type	*list*
Block object keys	

gtp-u-downlink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in downlink direction

Type: number

Range: 1-2147483647

gtp-u-downlink-packet-rate

Description Maximum allowed of rate of GTP-U packets in downlink direction

Type: number

Range: 1-2147483647

gtp-u-max-concurrent-tunnels

Description Maximum allowed GTP-U tunnels per Peer/APN Filter

Type: number

Range: 1-2147483647

gtp-u-total-byte-rate

Description Maximum allowed of rate of GTP-U bytes total in both directions

Type: number

Range: 1-2147483647

gtp-u-total-packet-rate

Description Maximum allowed of rate of GTP-U packets total in both directions

Type: number

Range: 1-2147483647

gtp-u-tunnel-create-rate

Description Maximum allowed of rate of GTP-U tunnels

Type: number

Range: 1-2147483647

gtp-u-uplink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in uplink direction

Type: number

Range: 1-2147483647

gtp-u-uplink-packet-rate

Description Maximum allowed of rate of GTP-U packets in uplink direction

Type: number

Range: 1-2147483647

lockout

Description Lockout traffic from the source for a certain time period after rate exceeded (Lockout duration in minutes)

Type: number

Range: 1-1023

name

Description Specify name of the GTP Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rate-limit-action

Description 'monitor': Forward packet exceeding limit; 'drop': drop packet exceeding limit(default);

Type: string

Supported Values: monitor, drop

Default: drop

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-agg-message-type-rate

Description Maximum allowed GTPv0-C message rate of all types

Type: number

Range: 1-2147483647

v1-agg-message-type-rate

Description Maximum allowed GTPv1-C message rate of all types

Type: number

Range: 1-2147483647

v1-create-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Create PDP Request message type

Type: number

Range: 1-2147483647

v1-update-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Update PDP Request message type

Type: number

Range: 1-2147483647

v2-agg-message-type-rate

Description Maximum allowed GTPv2-C message rate of all types

Type: number

Range: 1-2147483647

v2-create-session-request-rate

Description Maximum allowed rate of GTPv2-C Create Session Request message type

Type: number

Range: 1-2147483647

v2-modify-bearer-request-rate

Description Maximum allowed rate of GTPv2-C Modify Bearer Request message type

Type: number

Range: 1-2147483647

gtp_apn-imsi-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'permit': Create a whitelist to permit the packets that match APN IMSI filters; 'deny': Create a blacklist to deny the packets that match APN IMSI filters (default);

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP APN IMSI list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_apn-imsi-list-list_str-list

Specification	Value
Type	*list*
Block object keys	

apn

Description Specify the APN filter

Type: string

Format: string-rlx

Maximum Length: 100 characters

Maximum Length: 1 characters

imsi

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: imsi and selection-mode are mutually exclusive

imsi-selection

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

selection-mode

Description 'mobilestation': MS provided APN, subscription not verified; 'network': Network provided APN, subscription not verified; 'verified': MS or Network provided APN, subscription verified;

Type: string

Supported Values: mobilestation, network, verified

Mutual Exclusion: selection-mode and imsi are mutually exclusive

gtp_logging-policy-list

Specification	Value
Type	*list*
Block object keys	

log

Description: log is a **JSON Block**. Please see below for *gtp_logging-policy-list_log*

Type: Object

name

Description Specify name of the GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

gtp_logging-policy-list_log

Specification	Value
Type	*object*

anti-spoofing-check

Description Logging Packet Drop due to End User IP Address Spoofing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apn-imsi-filtering

Description Logging Packet Drop due to APN IMSI filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crosslayer-correlation

Description Logging Packet Drop due to mismatch in IP address and GTP FTEID/GSN address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-in-gtp-filtering

Description Logging Packet Drop due to GTP in GTP filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-header-check

Description Logging Packet Drop due to Invalid Header checks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-teid-check

Description Logging Packet Drop due to Invalid Tunnel Endpoint Identifier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mandatory-ie-check

Description Logging Packet Drop due to Missing Mandatory Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-message-length-check

Description Logging Packet Drop due to Max Message Length Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-filtering

Description Logging Packet Drop due to Message Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-filtering

Description Logging Packet Drop due to MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-imsi-correlation

Description Logging Packet Drop due to mismatch in Country Code and Mobile Country Code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-ie-check

Description Logging Packet Drop due to Out of Order Information Elements for GTPv1-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-state-ie-check

Description Logging Packet Drop due to Out of State Information Elements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rat-type-filtering

Description Logging Packet Drop due to RAT type filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reserved-ie-check

Description Logging Packet Drop due to Presence of Reserved Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sequence-num-correlation

Description Logging Packet Drop due to mismatch in Sequence number between GTP request and response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp_validation-policy-list

Specification	Value
Type	*list*
Block object keys	

anomaly-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anomaly-checks

Description 'enable': Enable Anomaly Checks for GTP Messages; 'disable': Disable Anomaly Checks for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

anti-spoofing-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anti-spoofing-check

Description 'enable': Enable Spoofed IP Address Check for GTP-U Messages; 'disable': Disable Spoofed IP Address Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

crosslayer-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

crosslayer-correlation

Description 'enable': Enable Cross Layer Correlation for GTP Messages; 'disable': Disable Cross Layer Correlation for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

mandatory-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

mandatory-ie-check

Description 'enable': Enable Mandatory IE Check for GTP Messages; 'disable': Disable Mandatory IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

msisdn-imsi-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-imsi-correlation

Description 'enable': Enable Country Code Correlation in MSISDN and IMSI for GTP Messages; 'disable': Disable Country Code Correlation in MSISDN and IMSI for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

name

Description Specify name of the GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

out-of-order-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-order-ie-check

Description 'enable': Enable Out of Order IE Check for GTP Messages; 'disable': Disable Out of Order IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

out-of-state-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-state-ie-check

Description 'enable': Enable Out of State IE Check for GTP Messages; 'disable': Disable Out of State IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

reserved-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

reserved-ie-check

Description 'enable': Enable Reserved IE Check for GTP Messages; 'disable': Disable Reserved IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

sequence-num-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

sequence-num-correlation

Description 'enable': Enable Sequence number correlation between GTP Request and Responses; 'disable': Disable Sequence number correlation between GTP Request and Responses;

Type: string

Supported Values: enable, disable

Default: disable

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp-list

Specification	Value
Type	*list*
Block object keys	

checksum-check

Description 'enable': Enable Checksum check;

Type: string

Supported Values: enable

log

Description: log is a **JSON Block**. Please see below for *sctp-list_log*

Type: Object

name

Description SCTP Template Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

Default: default

permit-payload-protocol

Description: permit-payload-protocol is a **JSON Block**. Please see below for *sctp-list_permit-payload-protocol*

Type: Object

sctp-half-open-idle-timeout

Description Set SCTP half-open timeout (SCTP half-open timeout in seconds (default 4))

Type: number

Range: 2-30

Default: 4

sctp-idle-timeout

Description SCTP idle timeout in minutes (default 5)

Type: number

Range: 1-63

Default: 5

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

sctp-list_log

Specification	Value
Type	*object*

payload-proto-filtering

Description Log Payload Protocol IDs Filtered

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sctp-list_permit-payload-protocol

Specification	Value
Type	*object*

permit-config-id

Type: List

permit-config-name

Type: List

sctp-list_permit-payload-protocol_permit-config-id

Specification	Value
Type	*list*
Block object keys	

protocol-id

Description Specify SCTP permitted payload protocol IDs

Type: number

Range: 1-63

sctp-list_permit-payload-protocol_permit-config-name

Specification	Value
Type	*list*
Block object keys	

protocol-name

Description 'iua': IUA; 'm2ua': M2UA; 'm3ua': M3UA; 'sua': SUA; 'm2pa': M2PA; 'h.323': H.323;

Type: string

Supported Values: iua, m2ua, m3ua, sua, m2pa, h.323

limit-policy-list

Specification	Value
Type	*list*
Block object keys	

attribute

Description 'usergroup': To apply rate-limit at the level of user group.; 'userid': To apply rate-limit at the level of user ID.;

Type: string

Supported Values: usergroup, userid

limit-concurrent-sessions

Description Enable Concurrent Session Limit (Number of Concurrent Sessions)

Type: number

Range: 1-2147483647

limit-cps

Description: limit-cps is a **JSON Block**. Please see below for *limit-policy-list_limit-cps*

Type: Object

Reference Object: */axapi/v3/template/limit-policy/{policy-number}/limit-cps*

limit-pps

Description: limit-pps is a **JSON Block**. Please see below for *limit-policy-list_limit-pps*

Type: Object

Reference Object: */axapi/v3/template/limit-policy/{policy-number}/limit-pps*

limit-scope

Description 'aggregate': Rule Level; 'subscriber-ip': Subscriber IP Level; 'subscriber-prefix': Subscriber Prefix Level;

Type: string

Supported Values: aggregate, subscriber-ip, subscriber-prefix, radius

Default: subscriber-ip

limit-throughput

Description: limit-throughput is a **JSON Block**. Please see below for *limit-policy-list_limit-throughput*

Type: Object

Reference Object: */axapi/v3/template/limit-policy/{policy-number}/limit-throughput*

log

Description Log when Session Limit is exceeded

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-min-fair

Description Enable max-min-fairness

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

parent

Description Specify the parent of limit-policy

Type: number

Range: 1-1023

policy-number

Description Limit Policy Number

Type: number

Range: 1-1023

prefix-length

Description Prefix length

Type: number

Range: 1-128

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

limit-policy-list_limit-throughput

Specification	Value
Type	*object*

downlink

Description Downlink Throughput limit (Mega Bits per second)

Type: number

Range: 1-1000000

downlink-burstsize

Description Token Bucket Size (Must Exceed Configured Rate) (In Mega Bits per second)

Type: number

Range: 1-1000000

downlink-burstsize-unit

Description 'Mbps': default; 'Kbps': minimum configurable limit is 100 Kbps; 'Gbps': maximum configurable limit is 10000 Gbps;

Type: string

Supported Values: Mbps, Kbps, Gbps

Default: Mbps,

downlink-relaxed

Description Relax the limitation when the policy has more tokens from the parent of policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

downlink-unit

Description 'Mbps': default; 'Kbps': minimum configurable limit is 100 Kbps; 'Gbps': maximum configurable limit is 10000 Gbps;

Type: string

Supported Values: Mbps, Kbps, Gbps

Default: Mbps

total

Description Total Throughput limit (Mega Bits per second)

Type: number

Range: 1-1000000

total-burstsize

Description Token Bucket Size (Must Exceed Configured Rate) (In Mega Bits per second)

Type: number

Range: 1-1000000

total-burstsize-unit

Description 'Mbps': default; 'Kbps': minimum configurable limit is 100 Kbps; 'Gbps': maximum configurable limit is 10000 Gbps;

Type: string

Supported Values: Mbps, Kbps, Gbps

Default: Mbps,

total-relaxed

Description Relax the limitation when the policy has more tokens from the parent of policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total-unit

Description 'Mbps': default; 'Kbps': minimum configurable limit is 100 Kbps; 'Gbps': maximum configurable limit is 10000 Gbps;

Type: string

Supported Values: Mbps, Kbps, Gbps

Default: Mbps,

uplink

Description Uplink Throughput limit (Mega Bits per second)

Type: number

Range: 1-1000000

uplink-burstsize

Description Token Bucket Size (Must Exceed Configured Rate) (In Mega Bits per second)

Type: number

Range: 1-1000000

uplink-burstsize-unit

Description 'Mbps': default; 'Kbps': minimum configurable limit is 100 Kbps; 'Gbps': maximum configurable limit is 10000 Gbps;

Type: string

Supported Values: Mbps, Kbps, Gbps

Default: Mbps,

uplink-relaxed

Description Relax the limitation when the policy has more tokens from the parent of policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink-unit

Description 'Mbps': default; 'Kbps': minimum configurable limit is 100 Kbps; 'Gbps': maximum configurable limit is 10000 Gbps;

Type: string

Supported Values: Mbps, Kbps, Gbps

Default: Mbps

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

limit-policy-list_limit-cps

Specification	Value
Type	*object*

burstsize

Description CPS Token Bucket Size (Must Exceed Configured Rate) (In Connections per second)

Type: number

Range: 1-2147483647

relaxed

Description Relax the limitation when the policy has more tokens from the parent of policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

value

Description Connections Per Second Rate Limit (Number of Connections per second)

Type: number

Range: 1-2147483647

limit-policy-list_limit-pps

Specification	Value
Type	*object*

ddos-protection-factor

Description Enable DDoS Protection (Multiplier of the downlink PPS)

Type: number

Range: 1-50

downlink

Description Downlink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

downlink-burstsize

Description PPS Token Bucket Size (Must Exceed Configured Rate) (In Packets)

Type: number

Range: 1-2147483647

downlink-relaxed

Description Relax the limitation when the policy has more tokens from the parent of policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

total

Description Total PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

total-burstsize

Description PPS Token Bucket Size (Must Exceed Configured Rate) (In Packets)

Type: number

Range: 1-2147483647

total-relaxed

Description Relax the limitation when the policy has more tokens from the parent of policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uplink

Description Uplink PPS limit (Number of Packets per second)

Type: number

Range: 1-2147483647

uplink-burstsize

Description PPS Token Bucket Size (Must Exceed Configured Rate) (In Packets)

Type: number

Range: 1-2147483647

uplink-relaxed

Description Relax the limitation when the policy has more tokens from the parent of policy

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

syslog-over-tls

Specification	Value
Type	*object*

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.139.2 template apps oper

Operational Status for the object apps

apps Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	apps
Element URI	/axapi/v3/template/apps/oper
Element Attributes	apps_attributes
Partition Visibility	None
Schema	`apps schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/apps/oper

apps attributes

Get Object

GET

/axapi/v3/template/apps/oper

apps attributes

Modify Object

POST

/axapi/v3/template/apps/oper

apps attributes

Replace Object

PUT

/axapi/v3/template/apps/oper

apps attributes

Delete Object

DELETE

/axapi/v3/template/apps/oper

apps attributes

apps attributes

oper

Description: oper is a **JSON Block**. Please see below for *oper*

Type: Object

oper

Specification	Value
Type	*object*

available

Type: List

installed

Type: List

oper_available

Specification	Value
Type	*list*
Block object keys	

category_name

Description

Type: string

category_slug

Description

Type: string

color

Description

Type: string

deleted

Description

Type: string

description

Description

Type: string

developer

Description

Type: string

file_name

Description

Type: string

guide_url

Description

Type: string

icon

Description

Type: string

release_notes

Description

Type: string

supported_acos

Type: List

type

Description

Type: string

version

Description

Type: string

video_url

Description

Type: string

oper_available_supported_acos

Specification	Value
Type	*list*
Block object keys	

version

Description

Type: string

oper_installed

Specification	Value
Type	*list*
Block object keys	

category_name

Description

Type: string

category_slug

Description

Type: string

color

Description

Type: string

deleted

Description

Type: string

description

Description

Type: string

developer

Description

Type: string

file_name

Description

Type: string

guide_url

Description

Type: string

icon

Description

Type: string

release_notes

Description

Type: string

supported_acos

Type: List

type

Description

Type: string

version

Description

Type: string

video_url

Description

Type: string

oper_installed_supported_acos

Specification	Value
Type	*list*
Block object keys	

version

Description

Type: string

2.139.3 template csv

Specify csv template

csv Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*csv-name*
Collection Name	*csv-list*
Collection URI	/axapi/v3/template/csv
Element Name	csv
Element URI	/axapi/v3/template/csv/{csv-name}
Element Attributes	csv_attributes
Partition Visibility	shared
Schema	`csv schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/csv

csv attributes

```
POST /axapi/v3/template/csv/
Payload:
{
    "csv": {
        "csv-name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/csv

csv attributes

Get Object

GET

/axapi/v3/template/csv/{csv-name}

csv attributes

```
GET /axapi/v3/template/csv/a
Reponse:
{
    "csv": {
        "csv-name": "a",
        "delim-num": 44,
        "ipv6-enable": 0,
        "uuid": "256c9f68-b6e1-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/template/csv/a"
    }
}
```

Get List

GET

/axapi/v3/template/csv

csv-list

Modify Object

POST

/axapi/v3/template/csv/{csv-name}

csv attributes

Replace Object

PUT

/axapi/v3/template/csv/{csv-name}

csv attributes

```
PUT /axapi/v3/template/csv/a
Payload:
{
    "csv": {
        "csv-name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/csv

csv-list

Delete Object

DELETE

/axapi/v3/template/csv/{csv-name}

csv attributes

```
DELETE /axapi/v3/template/csv/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

csv-list

csv-list is **JSON List** of *csv attributes*

csv-list : [

{ *csv attributes* },

{ *csv attributes* },

...

]

csv attributes

csv-name

Description Specify name of csv template

Type: string

Maximum Length: 63 characters

Maximum Length: 1 characters

delim-char

Description enter a delimiter character, default ","

Type: string

Format: string-rlx

Maximum Length: 1 characters

Maximum Length: 1 characters

Default: ,

Mutual Exclusion: delim-char and delim-num are mutually exclusive

delim-num

Description enter a delimiter number, default 44 (",")

Type: number

Range: 0-255

Default: 44

Mutual Exclusion: delim-num and delim-char are mutually exclusive

ipv6-enable

Description Support IPv6 IP ranges

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

multiple-fields

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

multiple-fields

Specification	Value
Type	*list*
Block object keys	

csv-type

Description 'ip-from': Beginning address of IP range or subnet; 'ip-to-mask': Ending address of IP range or Mask; 'continent': Continent; 'country': Country; 'state': State or province; 'city': City;

Type: string

Supported Values: ip-from, ip-to-mask, continent, country, state, city, ASN

field

Description Field index number (Index of Field)

Type: number

Range: 1-64

2.139.4 template gtp

Define a GTP template

gtp Specification

Parameter	Value
Type	*Intermediate Resource*
Element Name	gtp
Element URI	/axapi/v3/template/gtp
Element Attributes	gtp_attributes
Partition Visibility	shared
Schema	`gtp schema`

Operations Allowed:

Get Object

GET

/axapi/v3/template/gtp

gtp_attributes

gtp attributes

apn-imsi-list-list

Type: List

Reference Object: */axapi/v3/template/gtp/apn-imsi-list/{name}*

filtering-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/filtering-policy/{name}*

general-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/general-policy/{name}*

logging-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/logging-policy/{name}*

message-filtering-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}*

msisdn-list-list

Type: List

Reference Object: */axapi/v3/template/gtp/msisdn-list/{name}*

rate-limit-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/rate-limit-policy/{name}*

validation-policy-list

Type: List

Reference Object: */axapi/v3/template/gtp/validation-policy/{name}*

message-filtering-policy-list

Specification	Value
Type	*list*
Block object keys	

interface-type

Description 'roaming': Roaming Interface(S8/Gp); 'non-roaming': Non-Roaming Interface(S5/Gn);

Type: string

Supported Values: roaming, non-roaming

name

Description Specify name of the GTP Message Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v0

Description: version-v0 is a **JSON Block**. Please see below for *message-filtering-policy-list_version-v0*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0*

version-v1

Description: version-v1 is a **JSON Block**. Please see below for *message-filtering-policy-list_version-v1*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1*

version-v2

Description: version-v2 is a **JSON Block**. Please see below for *message-filtering-policy-list_version-v2*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2*

message-filtering-policy-list_version-v1

Specification	Value
Type	*object*

create-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

initiate-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

mbms-deregistration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-registration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ms-info-change

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-filtering-policy-list_version-v0

Specification	Value
Type	*object*

create-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

message-filtering-policy-list_version-v2

Specification	Value
Type	*object*

bearer-resource

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

change-notification

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-command

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdn

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

modify-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

modify-command

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pgw-downlink-trigger

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

remote-ue-report

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

resume

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

suspend

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

trace-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

update-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

msisdn-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'permit': Create a whitelist to permit the packets that match MSISDN filters; 'deny': Create a blacklist to deny the packets that match MSISDN filters;

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP MSISDN list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

msisdn-list-list_str-list

Specification	Value
Type	*list*
Block object keys	

msisdn

Description Specify the MSISDN filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

general-policy-list

Specification	Value
Type	*list*
Block object keys	

handover-timeout

Description Tunnel Inactivity Timeout during Handover in minutes (default: 2 mins)

Type: number

Range: 1-63

Default: 2

max-mesg-length-action

Description 'monitor': Forward failed packet; 'drop': drop packet failing check(Default);

Type: string

Supported Values: monitor, drop

Default: drop

maximum-message-length

Description Maximum message length for a GTP message in bytes

Type: number

Range: 64-1500

Default: 1500

name

Description Specify name of the GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-timeout

Description Tunnel Inactivity Timeout in minutes (default: 1440 minutes)

Type: number

Range: 5-60000

Default: 1440

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-action

Description 'permit': Permit GTP-C version 0; 'drop': Drop GTP-C version 0(Default);

Type: string

Supported Values: permit, drop

Default: drop

filtering-policy-list

Specification	Value
Type	*list*
Block object keys	

apn-imsi-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

apn-imsi-filtering

Description Specify the APN IMSI Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/apn-imsi-list*

gtp-in-gtp-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

gtp-in-gtp-filtering

Description 'enable': Enable GTP-in-GTP Filtering; 'disable': Disable GTP-in-GTP Filtering;

Type: string

Supported Values: enable, disable

Default: enable

message-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

message-filtering-policy-name

Description Specify the Message Filtering Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/message-filtering-policy*

msisdn-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-filtering

Description Specify the MSISDN Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/msisdn-list*

name

Description Specify name of the GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rat-type-filtering

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

filtering-policy-list_rat-type-filtering

Specification	Value
Type	*list*
Block object keys	

rat-type-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

rat-type-value

Description 'utran': RAT Type for 3G Networks; 'geran': RAT Type for 2G Networks; 'wlan': RAT Type for WLAN Networks; 'gan': RAT Type for GAN Networks; 'hspa-evolution': RAT Type for HSPA Networks; 'eutran': RAT Type for 4G Networks;

Type: string

Supported Values: utran, geran, wlan, gan, hspa-evolution, eutran

rate-limit-policy-list

Specification	Value
Type	*list*
Block object keys	

gtp-u-downlink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in downlink direction

Type: number

Range: 1-2147483647

gtp-u-downlink-packet-rate

Description Maximum allowed of rate of GTP-U packets in downlink direction

Type: number

Range: 1-2147483647

gtp-u-max-concurrent-tunnels

Description Maximum allowed GTP-U tunnels per Peer/APN Filter

Type: number

Range: 1-2147483647

gtp-u-total-byte-rate

Description Maximum allowed of rate of GTP-U bytes total in both directions

Type: number

Range: 1-2147483647

gtp-u-total-packet-rate

Description Maximum allowed of rate of GTP-U packets total in both directions

Type: number

Range: 1-2147483647

gtp-u-tunnel-create-rate

Description Maximum allowed of rate of GTP-U tunnels

Type: number

Range: 1-2147483647

gtp-u-uplink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in uplink direction

Type: number

Range: 1-2147483647

gtp-u-uplink-packet-rate

Description Maximum allowed of rate of GTP-U packets in uplink direction

Type: number

Range: 1-2147483647

lockout

Description Lockout traffic from the source for a certain time period after rate exceeded (Lockout duration in minutes)

Type: number

Range: 1-1023

name

Description Specify name of the GTP Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rate-limit-action

Description 'monitor': Forward packet exceeding limit; 'drop': drop packet exceeding limit(default);

Type: string

Supported Values: monitor, drop

Default: drop

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-agg-message-type-rate

Description Maximum allowed GTPv0-C message rate of all types

Type: number

Range: 1-2147483647

v1-agg-message-type-rate

Description Maximum allowed GTPv1-C message rate of all types

Type: number

Range: 1-2147483647

v1-create-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Create PDP Request message type

Type: number

Range: 1-2147483647

v1-update-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Update PDP Request message type

Type: number

Range: 1-2147483647

v2-agg-message-type-rate

Description Maximum allowed GTPv2-C message rate of all types

Type: number

Range: 1-2147483647

v2-create-session-request-rate

Description Maximum allowed rate of GTPv2-C Create Session Request message type

Type: number

Range: 1-2147483647

v2-modify-bearer-request-rate

Description Maximum allowed rate of GTPv2-C Modify Bearer Request message type

Type: number

Range: 1-2147483647

apn-imsi-list-list

Specification	Value
Type	*list*
Block object keys	

action

Description 'permit': Create a whitelist to permit the packets that match APN IMSI filters; 'deny': Create a blacklist to deny the packets that match APN IMSI filters (default);

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP APN IMSI list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

apn-imsi-list-list_str-list

Specification	Value
Type	*list*
Block object keys	

apn

Description Specify the APN filter

Type: string

Format: string-rlx

Maximum Length: 100 characters

Maximum Length: 1 characters

imsi

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: imsi and selection-mode are mutually exclusive

imsi-selection

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

selection-mode

Description 'mobilestation': MS provided APN, subscription not verified; 'network': Network provided APN, subscription not verified; 'verified': MS or Network provided APN, subscription verified;

Type: string

Supported Values: mobilestation, network, verified

Mutual Exclusion: selection-mode and imsi are mutually exclusive

logging-policy-list

Specification	Value
Type	*list*
Block object keys	

log

Description: log is a **JSON Block**. Please see below for *logging-policy-list_log*

Type: Object

name

Description Specify name of the GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

logging-policy-list_log

Specification	Value
Type	*object*

anti-spoofing-check

Description Logging Packet Drop due to End User IP Address Spoofing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apn-imsi-filtering

Description Logging Packet Drop due to APN IMSI filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crosslayer-correlation

Description Logging Packet Drop due to mismatch in IP address and GTP FTEID/GSN address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-in-gtp-filtering

Description Logging Packet Drop due to GTP in GTP filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-header-check

Description Logging Packet Drop due to Invalid Header checks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-teid-check

Description Logging Packet Drop due to Invalid Tunnel Endpoint Identifier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mandatory-ie-check

Description Logging Packet Drop due to Missing Mandatory Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-message-length-check

Description Logging Packet Drop due to Max Message Length Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-filtering

Description Logging Packet Drop due to Message Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-filtering

Description Logging Packet Drop due to MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-imsi-correlation

Description Logging Packet Drop due to mismatch in Country Code and Mobile Country Code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-ie-check

Description Logging Packet Drop due to Out of Order Information Elements for GTPv1-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-state-ie-check

Description Logging Packet Drop due to Out of State Information Elements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rat-type-filtering

Description Logging Packet Drop due to RAT type filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reserved-ie-check

Description Logging Packet Drop due to Presence of Reserved Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sequence-num-correlation

Description Logging Packet Drop due to mismatch in Sequence number between GTP request and response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

validation-policy-list

Specification	Value
Type	*list*
Block object keys	

anomaly-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anomaly-checks

Description 'enable': Enable Anomaly Checks for GTP Messages; 'disable': Disable Anomaly Checks for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

anti-spoofing-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anti-spoofing-check

Description 'enable': Enable Spoofed IP Address Check for GTP-U Messages; 'disable': Disable Spoofed IP Address Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

crosslayer-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

crosslayer-correlation

Description 'enable': Enable Cross Layer Correlation for GTP Messages; 'disable': Disable Cross Layer Correlation for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

mandatory-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

mandatory-ie-check

Description 'enable': Enable Mandatory IE Check for GTP Messages; 'disable': Disable Mandatory IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

msisdn-imsi-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-imsi-correlation

Description 'enable': Enable Country Code Correlation in MSISDN and IMSI for GTP Messages; 'disable': Disable Country Code Correlation in MSISDN and IMSI for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

name

Description Specify name of the GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

out-of-order-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-order-ie-check

Description 'enable': Enable Out of Order IE Check for GTP Messages; 'disable': Disable Out of Order IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

out-of-state-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-state-ie-check

Description 'enable': Enable Out of State IE Check for GTP Messages; 'disable': Disable Out of State IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

reserved-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

reserved-ie-check

Description 'enable': Enable Reserved IE Check for GTP Messages; 'disable': Disable Reserved IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

sequence-num-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

sequence-num-correlation

Description 'enable': Enable Sequence number correlation between GTP Request and Responses; 'disable': Disable Sequence number correlation between GTP Request and Responses;

Type: string

Supported Values: enable, disable

Default: disable

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.139.5 template gtp apn-imsi-list

Configure GTP APN IMSI list

apn-imsi-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*apn-imsi-list-list*
Collection URI	/axapi/v3/template/gtp/apn-imsi-list
Element Name	apn-imsi-list
Element URI	/axapi/v3/template/gtp/apn-imsi-list/{name}
Element Attributes	apn-imsi-list_attributes
Partition Visibility	shared
Schema	`apn-imsi-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/apn-imsi-list

apn-imsi-list attributes

```
POST /axapi/v3/template/gtp/apn-imsi-list/
Payload:
{
    "apn-imsi-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp/apn-imsi-list

apn-imsi-list attributes

Get Object

GET

/axapi/v3/template/gtp/apn-imsi-list/{name}

apn-imsi-list attributes

```
GET /axapi/v3/template/gtp/apn-imsi-list/a
Reponse:
{
    "apn-imsi-list": {
        "name": "a",
        "action": "deny",
        "uuid": "9e68709a-b6e1-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
```

(continues on next page)

(continued from previous page)

```
        "a10-url": "/axapi/v3/template/gtp/apn-imsi-list/a"
    }
}
```

Get List

GET

/axapi/v3/template/gtp/apn-imsi-list

apn-imsi-list-list

Modify Object

POST

/axapi/v3/template/gtp/apn-imsi-list/{name}

apn-imsi-list attributes

Replace Object

PUT

/axapi/v3/template/gtp/apn-imsi-list/{name}

apn-imsi-list attributes

```
PUT /axapi/v3/template/gtp/apn-imsi-list/a
Payload:
{
    "apn-imsi-list": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/gtp/apn-imsi-list

apn-imsi-list-list

Delete Object

DELETE

/axapi/v3/template/gtp/apn-imsi-list/{name}

apn-imsi-list attributes

```
DELETE /axapi/v3/template/gtp/apn-imsi-list/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
```

(continues on next page)

(continued from previous page)

```
        "msg": "Success"
    }
}
```

apn-imsi-list-list

apn-imsi-list-list is **JSON List** of *apn-imsi-list attributes*

apn-imsi-list-list : [

{ *apn-imsi-list attributes* },

{ *apn-imsi-list attributes* },

...

]

apn-imsi-list attributes

action

Description 'permit': Create a whitelist to permit the packets that match APN IMSI filters; 'deny': Create a blacklist to deny the packets that match APN IMSI filters (default);

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP APN IMSI list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

str-list

Specification	Value
Type	*list*
Block object keys	

apn

Description Specify the APN filter

Type: string

Format: string-rlx

Maximum Length: 100 characters

Maximum Length: 1 characters

imsi

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

Mutual Exclusion: imsi and selection-mode are mutually exclusive

imsi-selection

Description Specify the IMSI filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

selection-mode

Description 'mobilestation': MS provided APN, subscription not verified; 'network': Network provided APN, subscription not verified; 'verified': MS or Network provided APN, subscription verified;

Type: string

Supported Values: mobilestation, network, verified

Mutual Exclusion: selection-mode and imsi are mutually exclusive

2.139.6 template gtp filtering-policy

Configure GTP Filtering Policy

filtering-policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*filtering-policy-list*
Collection URI	/axapi/v3/template/gtp/filtering-policy
Element Name	filtering-policy
Element URI	/axapi/v3/template/gtp/filtering-policy/{name}
Element Attributes	filtering-policy_attributes
Partition Visibility	shared
Schema	`filtering-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/filtering-policy

filtering-policy attributes

```
POST /axapi/v3/template/gtp/filtering-policy/
Payload:
{
    "filtering-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp/filtering-policy

filtering-policy attributes

Get Object

GET

/axapi/v3/template/gtp/filtering-policy/{name}

filtering-policy attributes

```
GET /axapi/v3/template/gtp/filtering-policy/a
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "filtering-policy": {
        "name": "a",
        "gtp-in-gtp-filtering": "enable",
        "gtp-in-gtp-filt-action": "drop",
        "uuid": "e2ca5c94-b6e1-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/template/gtp/filtering-policy/a"
    }
}
```

Get List

GET

/axapi/v3/template/gtp/filtering-policy

filtering-policy-list

Modify Object

POST

/axapi/v3/template/gtp/filtering-policy/{name}

filtering-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/filtering-policy/{name}

filtering-policy attributes

```
PUT /axapi/v3/template/gtp/filtering-policy/a
Payload:
{
    "filtering-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/gtp/filtering-policy

filtering-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/filtering-policy/{name}

filtering-policy attributes

```
DELETE /axapi/v3/template/gtp/filtering-policy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

filtering-policy-list

filtering-policy-list is **JSON List** of *filtering-policy attributes*

filtering-policy-list : [

{ *filtering-policy attributes* },

{ *filtering-policy attributes* },

...

]

filtering-policy attributes

apn-imsi-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

apn-imsi-filtering

Description Specify the APN IMSI Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/apn-imsi-list*

gtp-in-gtp-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

gtp-in-gtp-filtering

Description 'enable': Enable GTP-in-GTP Filtering; 'disable': Disable GTP-in-GTP Filtering;

Type: string

Supported Values: enable, disable

Default: enable

message-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

message-filtering-policy-name

Description Specify the Message Filtering Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/message-filtering-policy*

msisdn-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-filtering

Description Specify the MSISDN Inspection Policy

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/msisdn-list*

name

Description Specify name of the GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rat-type-filtering

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

rat-type-filtering

Specification	Value
Type	*list*
Block object keys	

rat-type-filt-action

Description 'monitor': Forward packet; 'drop': drop packet (default);

Type: string

Supported Values: monitor, drop

Default: drop

rat-type-value

Description 'utran': RAT Type for 3G Networks; 'geran': RAT Type for 2G Networks; 'wlan': RAT Type for WLAN Networks; 'gan': RAT Type for GAN Networks; 'hspa-evolution': RAT Type for HSPA Networks; 'eutran': RAT Type for 4G Networks;

Type: string

Supported Values: utran, geran, wlan, gan, hspa-evolution, eutran

2.139.7 template gtp general-policy

Configure GTP General Policy

general-policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*general-policy-list*
Collection URI	/axapi/v3/template/gtp/general-policy
Element Name	general-policy
Element URI	/axapi/v3/template/gtp/general-policy/{name}
Element Attributes	general-policy_attributes
Partition Visibility	shared
Schema	`general-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/general-policy

general-policy attributes

```
POST /axapi/v3/template/gtp/general-policy/
Payload:
{
    "general-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp/general-policy

general-policy attributes

Get Object

GET

/axapi/v3/template/gtp/general-policy/{name}

general-policy attributes

```
GET /axapi/v3/template/gtp/general-policy/a
Reponse:
{
    "general-policy": {
        "name": "a",
        "tunnel-timeout": 1440,
        "handover-timeout": 2,
        "maximum-message-length": 1500,
```

(continues on next page)

(continued from previous page)

```
        "max-mesg-length-action": "drop",
        "v0-action": "drop",
        "uuid": "6ae00bd8-b6e2-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/template/gtp/general-policy/a"
    }
}
```

Get List

GET

/axapi/v3/template/gtp/general-policy

general-policy-list

Modify Object

POST

/axapi/v3/template/gtp/general-policy/{name}

general-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/general-policy/{name}

general-policy attributes

```
PUT /axapi/v3/template/gtp/general-policy/a
Payload:
{
    "general-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/gtp/general-policy

general-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/general-policy/{name}

general-policy attributes

```
DELETE /axapi/v3/template/gtp/general-policy/a
Reponse:
```

(continues on next page)

(continued from previous page)

```
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

general-policy-list

general-policy-list is **JSON List** of *general-policy attributes*

general-policy-list : [

{ *general-policy attributes* },

{ *general-policy attributes* },

...

]

general-policy attributes

handover-timeout

Description Tunnel Inactivity Timeout during Handover in minutes (default: 2 mins)

Type: number

Range: 1-63

Default: 2

max-mesg-length-action

Description 'monitor': Forward failed packet; 'drop': drop packet failing check(Default);

Type: string

Supported Values: monitor, drop

Default: drop

maximum-message-length

Description Maximum message length for a GTP message in bytes

Type: number

Range: 64-1500

Default: 1500

name

Description Specify name of the GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

tunnel-timeout

Description Tunnel Inactivity Timeout in minutes (default: 1440 minutes)

Type: number

Range: 5-60000

Default: 1440

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-action

Description 'permit': Permit GTP-C version 0; 'drop': Drop GTP-C version 0(Default);

Type: string

Supported Values: permit, drop

Default: drop

2.139.8 template gtp logging-policy

Configure GTP Logging Policy

logging-policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*logging-policy-list*
Collection URI	/axapi/v3/template/gtp/logging-policy
Element Name	logging-policy
Element URI	/axapi/v3/template/gtp/logging-policy/{name}
Element Attributes	logging-policy_attributes
Partition Visibility	shared
Schema	`logging-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/logging-policy

logging-policy attributes

```
POST /axapi/v3/template/gtp/logging-policy/
Payload:
{
    "logging-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp/logging-policy

logging-policy attributes

Get Object

GET

/axapi/v3/template/gtp/logging-policy/{name}

logging-policy attributes

```
GET /axapi/v3/template/gtp/logging-policy/a
Reponse:
{
    "logging-policy": {
        "name": "a",
        "log": {
            "mandatory-ie-check": 0,
            "out-of-state-ie-check": 0,
            "out-of-order-ie-check": 0,
            "invalid-teid-check": 0,
            "reserved-ie-check": 0,
            "message-filtering": 0,
            "apn-imsi-filtering": 0,
            "rat-type-filtering": 0,
            "msisdn-filtering": 0,
            "crosslayer-correlation": 0,
            "anti-spoofing-check": 0,
            "msisdn-imsi-correlation": 0,
            "max-message-length-check": 0,
            "gtp-in-gtp-filtering": 0,
            "sequence-num-correlation": 0,
            "invalid-header-check": 0
        },
        "uuid": "cd04498c-b6e2-11ef-8f5a-ae71681635d0",
```

(continues on next page)

(continued from previous page)

```
        "user-tag": "a",
        "a10-url": "/axapi/v3/template/gtp/logging-policy/a"
    }
}
```

Get List

GET

/axapi/v3/template/gtp/logging-policy

logging-policy-list

Modify Object

POST

/axapi/v3/template/gtp/logging-policy/{name}

logging-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/logging-policy/{name}

logging-policy attributes

```
PUT /axapi/v3/template/gtp/logging-policy/a
Payload:
{
    "logging-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/gtp/logging-policy

logging-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/logging-policy/{name}

logging-policy attributes

```
DELETE /axapi/v3/template/gtp/logging-policy/a
Reponse:
{
    "response": {
        "http-status": 200,
```

(continues on next page)

(continued from previous page)

```
        "status": "OK",
        "msg": "Success"
    }
}
```

logging-policy-list

logging-policy-list is **JSON List** of *logging-policy attributes*

logging-policy-list : [

{ *logging-policy attributes* },

{ *logging-policy attributes* },

...

]

logging-policy attributes

log

Description: log is a **JSON Block**. Please see below for *log*

Type: Object

name

Description Specify name of the GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

log

Specification	Value
Type	*object*

anti-spoofing-check

Description Logging Packet Drop due to End User IP Address Spoofing

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

apn-imsi-filtering

Description Logging Packet Drop due to APN IMSI filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

crosslayer-correlation

Description Logging Packet Drop due to mismatch in IP address and GTP FTEID/GSN address

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

gtp-in-gtp-filtering

Description Logging Packet Drop due to GTP in GTP filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-header-check

Description Logging Packet Drop due to Invalid Header checks

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

invalid-teid-check

Description Logging Packet Drop due to Invalid Tunnel Endpoint Identifier

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

mandatory-ie-check

Description Logging Packet Drop due to Missing Mandatory Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

max-message-length-check

Description Logging Packet Drop due to Max Message Length Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

message-filtering

Description Logging Packet Drop due to Message Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-filtering

Description Logging Packet Drop due to MSISDN Filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

msisdn-imsi-correlation

Description Logging Packet Drop due to mismatch in Country Code and Mobile Country Code

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-order-ie-check

Description Logging Packet Drop due to Out of Order Information Elements for GTPv1-C

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

out-of-state-ie-check

Description Logging Packet Drop due to Out of State Information Elements

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

rat-type-filtering

Description Logging Packet Drop due to RAT type filtering

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

reserved-ie-check

Description Logging Packet Drop due to Presence of Reserved Information Element

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

sequence-num-correlation

Description Logging Packet Drop due to mismatch in Sequence number between GTP request and response

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

2.139.9 template gtp message-filtering-policy

Configure GTP Message Filtering Policy

message-filtering-policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*message-filtering-policy-list*
Collection URI	/axapi/v3/template/gtp/message-filtering-policy
Element Name	message-filtering-policy
Element URI	/axapi/v3/template/gtp/message-filtering-policy/{name}
Element Attributes	message-filtering-policy_attributes
Partition Visibility	shared
Schema	`message-filtering-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/message-filtering-policy

message-filtering-policy attributes

```
POST /axapi/v3/template/gtp/message-filtering-policy/
Payload:
{
    "message-filtering-policy": {
        "interface-type": "roaming",
        "name": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp/message-filtering-policy

message-filtering-policy attributes

Get Object

GET

/axapi/v3/template/gtp/message-filtering-policy/{name}

message-filtering-policy attributes

```
GET /axapi/v3/template/gtp/message-filtering-policy/a
Reponse:
{
    "message-filtering-policy": {
        "name": "a",
        "interface-type": "roaming",
        "uuid": "a316a0d8-b6e3-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/template/gtp/message-filtering-policy/a"
    }
}
```

Get List

GET

/axapi/v3/template/gtp/message-filtering-policy

message-filtering-policy-list

Modify Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}

message-filtering-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/message-filtering-policy/{name}

message-filtering-policy attributes

```
PUT /axapi/v3/template/gtp/message-filtering-policy/a
Payload:
{
    "message-filtering-policy": {
        "interface-type": "roaming",
        "name": "a"
    }
}
```

Replace List

PUT

/axapi/v3/template/gtp/message-filtering-policy

message-filtering-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/message-filtering-policy/{name}

message-filtering-policy attributes

```
DELETE /axapi/v3/template/gtp/message-filtering-policy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

message-filtering-policy-list

message-filtering-policy-list is **JSON List** of *message-filtering-policy attributes*

message-filtering-policy-list : [

{ *message-filtering-policy attributes* },

{ *message-filtering-policy attributes* },

...

]

message-filtering-policy attributes

interface-type

Description 'roaming': Roaming Interface(S8/Gp); 'non-roaming': Non-Roaming Interface(S5/Gn);

Type: string

Supported Values: roaming, non-roaming

name

Description Specify name of the GTP Message Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v0

Description: version-v0 is a **JSON Block**. Please see below for *version-v0*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0*

version-v1

Description: version-v1 is a **JSON Block**. Please see below for *version-v1*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1*

version-v2

Description: version-v2 is a **JSON Block**. Please see below for *version-v2*

Type: Object

Reference Object: */axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2*

version-v1

Specification	Value
Type	*object*

create-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

initiate-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

mbms-deregistration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-registration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ms-info-change

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v0

Specification	Value
Type	*object*

create-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

version-v2

Specification	Value
Type	*object*

bearer-resource

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

change-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-bearer

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-command

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdn

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-session

Description ‘enable’: Enable the Message Type; ‘disable’: Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description ‘enable’: Enable Message Filtering on version; ‘disable’: Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

modify-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

modify-command

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pgw-downlink-trigger

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

remote-ue-report

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

resume

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

suspend

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

trace-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

update-pdn

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.139.10 template gtp message-filtering-policy version-v0

Configure Message Filtering Policy for GTPv0 Control Messages,

version-v0 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	version-v0
Element URI	/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0
Element Attributes	version-v0_attributes
Partition Visibility	shared
Schema	`version-v0 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

```
POST /axapi/v3/template/gtp/message-filtering-policy/a/version-v0
Payload:
{
    "version-v0": {
        "enable-disable-action": "enable",
        "message-type": 1,
        "create-pdp": "enable"
    }
}
```

Get Object

GET

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

```
GET /axapi/v3/template/gtp/message-filtering-policy/a/version-v0
Reponse:
{
    "version-v0": {
        "enable-disable-action": "enable",
        "message-type": 1,
        "create-pdp": "enable",
        "update-pdp": "enable",
        "delete-pdp": "enable",
        "pdu-notification": "enable",
        "gtp-pdu": "enable",
        "create-aa-pdp": "enable",
        "delete-aa-pdp": "enable",
        "reserved-messages": "disable",
        "uuid": "dfe5fbb2-b6e3-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/template/gtp/message-filtering-policy/a/version-v0"
    }
}
```

Modify Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

Replace Object

PUT

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

Delete Object

DELETE

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v0

version-v0 attributes

```
DELETE /axapi/v3/template/gtp/message-filtering-policy/a/version-v0
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

version-v0 attributes

create-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-aa-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.139.11 template gtp message-filtering-policy version-v1

Configure Message Filtering Policy for GTPv1 Control Messages,

version-v1 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	version-v1
Element URI	/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1
Element Attributes	version-v1_attributes
Partition Visibility	shared
Schema	`version-v1 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

```
POST /axapi/v3/template/gtp/message-filtering-policy/a/version-v1
Payload:
{
    "version-v1": {
        "enable-disable-action": "enable",
        "message-type": 1,
        "create-pdp": "enable"
    }
}
```

Get Object

GET

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

```
GET /axapi/v3/template/gtp/message-filtering-policy/a/version-v1
Reponse:
{
    "version-v1": {
        "enable-disable-action": "enable",
        "message-type": 1,
        "create-pdp": "enable",
        "update-pdp": "enable",
        "delete-pdp": "enable",
        "initiate-pdp": "enable",
        "pdu-notification": "enable",
```

(continues on next page)

(continued from previous page)


```
        "ms-info-change": "enable",
        "gtp-pdu": "enable",
        "mbms-session": "disable",
        "mbms-notification": "disable",
        "mbms-registration": "disable",
        "mbms-deregistration": "disable",
        "create-mbms": "disable",
        "delete-mbms": "disable",
        "update-mbms": "disable",
        "reserved-messages": "disable",
        "uuid": "a16a148a-b6e4-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/template/gtp/message-filtering-policy/a/version-v1"
    }
}
```


Modify Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

Replace Object

PUT

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

Delete Object

DELETE

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v1

version-v1 attributes

```
DELETE /axapi/v3/template/gtp/message-filtering-policy/a/version-v1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

version-v1 attributes

create-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

create-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

delete-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

gtp-pdu

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

initiate-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

mbms-deregistration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-registration

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

mbms-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

ms-info-change

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pdu-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-mbms

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-pdp

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.139.12 template gtp message-filtering-policy version-v2

Configure Message Filtering Policy for GTPv2 Control Messages

version-v2 Specification

Parameter	Value
Type	*Configuration Resource*
Element Name	version-v2
Element URI	/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2
Element Attributes	version-v2_attributes
Partition Visibility	shared
Schema	`version-v2 schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

```
POST /axapi/v3/template/gtp/message-filtering-policy/a/version-v2
Payload:
{
    "version-v2": {
        "enable-disable-action": "enable",
        "message-type": 1,
        "change-notification": "enable"
    }
}
```

Get Object

GET

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

```
GET /axapi/v3/template/gtp/message-filtering-policy/a/version-v2
Reponse:
{
    "version-v2": {
        "enable-disable-action": "enable",
        "message-type": 1,
        "change-notification": "enable",
        "create-session": "enable",
        "delete-session": "enable",
        "modify-bearer": "enable",
        "remote-ue-report": "enable",
        "modify-command": "enable",
        "delete-command": "enable",
        "bearer-resource": "enable",
        "create-bearer": "enable",
        "update-bearer": "enable",
        "delete-bearer": "enable",
        "delete-pdn": "enable",
        "update-pdn": "enable",
        "suspend": "enable",
        "resume": "enable",
        "pgw-downlink-trigger": "disable",
        "trace-session": "disable",
        "reserved-messages": "disable",
        "uuid": "e8160d7a-b6e5-11ef-8f5a-ae71681635d0",
        "a10-url": "/axapi/v3/template/gtp/message-filtering-policy/a/version-v2"
    }
}
```

Modify Object

POST

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

Replace Object

PUT

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

Delete Object

DELETE

/axapi/v3/template/gtp/message-filtering-policy/{name}/version-v2

version-v2 attributes

```
DELETE /axapi/v3/template/gtp/message-filtering-policy/a/version-v2
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

version-v2 attributes

bearer-resource

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

change-notification

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

create-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-command

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-pdn

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

delete-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

enable-disable-action

Description 'enable': Enable Message Filtering on version; 'disable': Disable Message Filtering on version;

Type: string

Supported Values: enable, disable

Default: enable

message-type

Description Specify the Message Type

Type: boolean

Supported Values: true, false, 1, 0

Default: 0

modify-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

modify-command

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

pgw-downlink-trigger

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

remote-ue-report

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

reserved-messages

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

resume

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

suspend

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

trace-session

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: disable

update-bearer

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

update-pdn

Description 'enable': Enable the Message Type; 'disable': Disable the Message Type;

Type: string

Supported Values: enable, disable

Default: enable

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.139.13 template gtp msisdn-list

Configure GTP MSISDN list

msisdn-list Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*msisdn-list-list*
Collection URI	/axapi/v3/template/gtp/msisdn-list
Element Name	msisdn-list
Element URI	/axapi/v3/template/gtp/msisdn-list/{name}
Element Attributes	msisdn-list_attributes
Partition Visibility	shared
Schema	`msisdn-list schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/msisdn-list

msisdn-list attributes

```
POST /axapi/v3/template/gtp/msisdn-list/
Payload:
{
    "msisdn-list": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp/msisdn-list

msisdn-list attributes

Get Object

GET

/axapi/v3/template/gtp/msisdn-list/{name}

msisdn-list attributes

Get List

GET

/axapi/v3/template/gtp/msisdn-list

msisdn-list-list

Modify Object

POST

/axapi/v3/template/gtp/msisdn-list/{name}

msisdn-list attributes

Replace Object

PUT

/axapi/v3/template/gtp/msisdn-list/{name}

msisdn-list attributes

Replace List

PUT

/axapi/v3/template/gtp/msisdn-list

msisdn-list-list

Delete Object

DELETE

/axapi/v3/template/gtp/msisdn-list/{name}

msisdn-list attributes

msisdn-list-list

msisdn-list-list is **JSON List** of *msisdn-list attributes*

msisdn-list-list : [

{ *msisdn-list attributes* },

{ *msisdn-list attributes* },

...

]

msisdn-list attributes

action

Description 'permit': Create a whitelist to permit the packets that match MSISDN filters; 'deny': Create a blacklist to deny the packets that match MSISDN filters;

Type: string

Supported Values: permit, deny

Default: deny

name

Description Specify name of the GTP MSISDN list

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

str-list

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

str-list

Specification	Value
Type	*list*
Block object keys	

msisdn

Description Specify the MSISDN filter

Type: string

Maximum Length: 15 characters

Maximum Length: 1 characters

2.139.14 template gtp-policy

Configure GTP Policy

gtp-policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*gtp-policy-list*
Collection URI	/axapi/v3/template/gtp-policy
Element Name	gtp-policy
Element URI	/axapi/v3/template/gtp-policy/{name}
Element Attributes	gtp-policy_attributes
Partition Visibility	shared
Schema	`gtp-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp-policy

gtp-policy attributes

```
POST /axapi/v3/template/gtp-policy/
Payload:
{
    "gtp-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp-policy

gtp-policy attributes

Get Object

GET

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

```
GET /axapi/v3/template/gtp-policy/a
Reponse:
{
    "gtp-policy": {
        "name": "a",
        "uuid": "9c2c18d0-b6e7-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/template/gtp-policy/a"
    }
}
```

Get List

GET

/axapi/v3/template/gtp-policy

gtp-policy-list

Modify Object

POST

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

```
PUT /axapi/v3/template/gtp-policy/a
Payload:
{
    "gtp-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/gtp-policy

gtp-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

```
DELETE /axapi/v3/template/gtp-policy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

gtp-policy-list

gtp-policy-list is **JSON List** of *gtp-policy attributes*

gtp-policy-list : [

{ *gtp-policy attributes* },

{ *gtp-policy attributes* },

...

]

gtp-policy attributes

filtering-policy-name

Description Specify GTP Filtering Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/filtering-policy*

general-policy-name

Description Specify GTP General Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/general-policy*

logging-policy-name

Description Specify GTP Logging Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/logging-policy*

name

Description Configure the GTP Policy Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

packet-capture-template

Description Name of the packet capture template to be bind with this object

Type: string

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/visibility/packet-capture/object-templates/templ-gtp-plcy-tmpl*

rate-limit-policy-name

Description Specify Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/rate-limit-policy*

sampling-enable

Type: List

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

validation-policy-name

Description Specify GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 128 characters

Maximum Length: 1 characters

Reference Object: */axapi/v3/template/gtp/validation-policy*

sampling-enable

Specification	Value
Type	*list*
Block object keys	

counters1

Description 'all': all; 'gtp-v0-c-tunnel-created': GTPv0-C Tunnel Created; 'gtp-v0-c-tunnel-half-open': GTPv0-C Half open tunnel created; 'gtp-v0-c-tunnel-half-closed': GTPv0-C Tunnel Delete Request; 'gtp-v0-c-tunnel-closed': GTPv0-C Tunnel Marked Deleted; 'gtp-v0-c-tunnel-deleted': GTPv0-C Tunnel Deleted; 'gtp-v0-c-half-open-tunnel-closed': GTPv0-C Half open tunnel closed; 'gtp-v1-c-tunnel-created': GTPv1-C Tunnel Created; 'gtp-v1-c-tunnel-half-open': GTPv1-C Half open tunnel created; 'gtp-v1-c-tunnel-half-closed': GTPv1-C Tunnel Delete Request; 'gtp-v1-c-tunnel-closed': GTPv1-C Tunnel Marked Deleted; 'gtp-v1-c-tunnel-deleted': GTPv1-C Tunnel Deleted; 'gtp-v1-c-half-open-tunnel-closed': GTPv1-C Half open tunnel closed; 'gtp-v2-c-tunnel-created': GTPv2-C Tunnel Created; 'gtp-v2-c-tunnel-half-open': GTPv2-C Half open tunnel created; 'gtp-v2-c-tunnel-half-closed': GTPv2-C Tunnel Delete Request; 'gtp-v2-c-tunnel-closed': GTPv2-C Tunnel Marked Deleted; 'gtp-v2-c-tunnel-deleted': GTPv2-C Tunnel Deleted; 'gtp-v2-c-half-open-tunnel-closed': GTPv2-C Half open tunnel closed; 'gtp-u-tunnel-created': GTP-U Tunnel Created; 'gtp-u-tunnel-deleted': GTP-U Tunnel Deleted; 'gtp-v0-c-update-pdp-resp-unsuccess': GTPv0-C Update PDP Context Response Unsuccessful; 'gtp-v1-c-update-pdp-resp-unsuccess': GTPv1-C Update PDP Context Response Unsuccessful; 'gtp-v2-c-mod_bearer-resp-unsuccess': GTPv2-C Modify Bearer Response Unsuccessful; 'gtp-v0-c-create-pdp-resp-unsuccess': GTPv0-C Create PDP Context Response Unsuccessful; 'gtp-v1-c-create-pdp-resp-unsuccess': GTPv1-C Create PDP Context Response Unsuccessful; 'gtp-v2-c-create-sess-resp-unsuccess': GTPv2-C Create Session Response Unsuccessful; 'gtp-v2-c-piggyback-message': GTPv2-C Piggyback Message; 'gtp-path-management-message': GTP Path Management Messages Received; 'gtp-v0-c-tunnel-deleted-restart': GTPv0-C Tunnel Deleted with Restart/failure; 'gtp-v1-c-tunnel-deleted-restart': GTPv1-C Tunnel Deleted with Restart/failure; 'gtp-v2-c-tunnel-

deleted-restart': GTPv2-C Tunnel Deleted with Restart/failure; 'gtp-v0-c-reserved-message-allow': Permit GTPv0-C Reserved Messages; 'gtp-v1-c-reserved-message-allow': Permit GTPv1-C Reserved Messages; 'gtp-v2-c-reserved-message-allow': Permit GTPv2-C Reserved Messages; 'gtp-v2-c-load-contr-info-exceed': GTPv2-C Load Control Info IEs in message exceeded 2; 'gtp-v1-c-pdu-notification-request-forward': GTPv1-C PDU Notification Request Forward; 'gtp-v1-c-pdu-notification-reject-request-forward': GTPv1-C PDU Notification Reject Request Forward; 'gtp-v0-c-pdu-notification-request-forward': GTPv0-C PDU Notification Request Forward; 'gtp-v0-c-pdu-notification-reject-request-forward': GTPv0-C PDU Notification Reject Request Forward; 'gtp-v0-c-message-skipped-apn-filtering-no-imsi': GTPv0-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-v1-c-message-skipped-apn-filtering-no-imsi': GTPv1-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-v2-c-message-skipped-apn-filtering-no-imsi': GTPv2-C APN/IMSI Filtering Skipped (No IMSI); 'gtp-v0-c-message-skipped-msisdn-filtering-no-imsi': GTPv0-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v1-c-message-skipped-msisdn-filtering-no-imsi': GTPv1-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v2-c-message-skipped-msisdn-filtering-no-imsi': GTPv2-C MSISDN Filtering Skipped (No MSISDN); 'gtp-v0-c-packet-dummy-msisdn': GTPv0-C Packet With Dummy MSISDN Forwarded; 'gtp-v1-c-packet-dummy-msisdn': GTPv1-C Packet With Dummy MSISDN Forwarded; 'gtp-v2-c-packet-dummy-msisdn': GTPv2-C Packet With Dummy MSISDN Forwarded; 'drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected': Validation Drop: GTPv2-C Create Session Request with TEID; 'drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected': Validation Drop: GTPv1-C PDU Notification Request with TEID; 'drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected': Validation Drop: GTPv0-C PDU Notification Request with TEID; 'drop-vld-gtp-ie-repeat-count-exceed': Validation Drop: GTP repeated IE count exceeded; 'drop-vld-reserved-field-set': Validation Drop: Reserved Header Field Set; 'drop-vld-tunnel-id-flag': Validation Drop: Tunnel Header Flag Not Set; 'drop-vld-invalid-flow-label-v0': Validation Drop: Invalid Flow Label in GTPv0-C Header; 'drop-vld-invalid-teid': Validation Drop: Invalid TEID Value; 'drop-vld-out-of-state': Validation Drop: Out Of State GTP Message; 'drop-vld-mandatory-information-element': Validation Drop: Mandatory IE Not Present; 'drop-vld-mandatory-ie-in-grouped-ie': Validation Drop: Mandatory IE in Grouped IE Not Present; 'drop-vld-out-of-order-ie': Validation Drop: GTPv1-C Message Out of Order IE; 'drop-vld-out-of-state-ie': Validation Drop: Unexpected IE Present in Message; 'drop-vld-reserved-information-element': Validation Drop: Reserved IE Field Present; 'drop-vld-version-not-supported': Validation Drop: Invalid GTP version; 'drop-vld-message-length': Validation Drop: Message Length Exceeded; 'drop-vld-cross-layer-correlation': Validation Drop: Cross Layer IP Address Mismatch; 'drop-vld-country-code-mismatch': Validation Drop: Country Code Mismatch in IMSI and MSISDN; 'drop-vld-gtp-u-spoofed-source-address': Validation Drop: GTP-U IP Address Spoofed; 'drop-vld-gtp-bearer-count-exceed': Validation Drop: GTP Bearer count exceeded max (11); 'drop-vld-gtp-v2-wrong-lbi-create-bearer-req': Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request; 'gtp-c-handover-in-progress-with-conn': GTP-C matching a conn with Handover In Progress; 'drop-vld-v0-reserved-message-drop': Validation Drop: GTPv0-C Reserved Message Drop; 'drop-vld-v1-reserved-message-drop': Validation Drop: GTPv1-C Reserved Message Drop; 'drop-vld-v2-reserved-message-drop': Validation Drop: GTPv2-C Reserved Message Drop; 'drop-vld-invalid-pkt-len-piggyback': Validation Drop: Piggyback message invalid packet length; 'drop-vld-sanity-failed-piggyback': Validation Drop: piggyback message anomaly failed; 'drop-vld-sequence-num-correlation': Validation Drop: GTP-C Sequence number Mismatch; 'drop-vld-gtpv0-seqnum-buffer-full': Validation Drop: GTPV0-C conn Sequence number Buffer Full; 'drop-vld-gtpv1-seqnum-buffer-full': Validation Drop: GTPV1-C conn Sequence number Buffer Full; 'drop-vld-gtpv2-seqnum-buffer-full': Validation Drop: GTPV2-C conn Sequence number Buffer Full; 'drop-vld-gtp-invalid-imsi-len-drop': Validation Drop: GTP-C Invalid IMSI Length Drop; 'drop-vld-gtp-invalid-apn-len-drop': Validation Drop: GTP-C Invalid APN Length Drop; 'drop-vld-protocol-flag-unset': Validation Drop: Protocol flag in Header Field not Set; 'drop-vld-gtpv0-subscriber-attr-miss': Validation Drop: GTPV0-c Subscriber Attributes Missing; 'drop-vld-gtpv1-subscriber-attr-miss': Vali-

dation Drop: GTPV1-c Subscriber Attributes Missing; 'drop-vld-gtpv2-subscriber-attr-miss': Validation Drop: GTPV2-c Subscriber Attributes Missing; 'drop-vld-gtp-v0-c-ie-len-exceed-msg-len': GTPv0-C IE Length Exceeds Message Length; 'drop-vld-gtp-v1-c-ie-len-exceed-msg-len': GTPv1-C IE Length Exceeds Message Length; 'drop-vld-gtp-v2-c-ie-len-exceed-msg-len': GTPv2-C IE Length Exceeds Message Length; 'drop-vld-gtp-v0-c-message-length-mismatch': GTPv0-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v1-c-message-length-mismatch': GTPv1-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v2-c-message-length-mismatch': GTPv2-C Message Length Mismatch Across Layers; 'drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv0-C APN/IMSI Filtering Dropped (No APN); 'drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv1-C APN/IMSI Filtering Dropped (No APN); 'drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn': Validation Drop: GTPv2-C APN/IMSI Filtering Dropped (No APN);

Type: string

Supported Values: all, gtp-v0-c-tunnel-created, gtp-v0-c-tunnel-half-open, gtp-v0-c-tunnel-half-closed, gtp-v0-c-tunnel-closed, gtp-v0-c-tunnel-deleted, gtp-v0-c-half-open-tunnel-closed, gtp-v1-c-tunnel-created, gtp-v1-c-tunnel-half-open, gtp-v1-c-tunnel-half-closed, gtp-v1-c-tunnel-closed, gtp-v1-c-tunnel-deleted, gtp-v1-c-half-open-tunnel-closed, gtp-v2-c-tunnel-created, gtp-v2-c-tunnel-half-open, gtp-v2-c-tunnel-half-closed, gtp-v2-c-tunnel-closed, gtp-v2-c-tunnel-deleted, gtp-v2-c-half-open-tunnel-closed, gtp-u-tunnel-created, gtp-u-tunnel-deleted, gtp-v0-c-update-pdp-resp-unsuccess, gtp-v1-c-update-pdp-resp-unsuccess, gtp-v2-c-mod_bearer-resp-unsuccess, gtp-v0-c-create-pdp-resp-unsuccess, gtp-v1-c-create-pdp-resp-unsuccess, gtp-v2-c-create-sess-resp-unsuccess, gtp-v2-c-piggyback-message, gtp-path-management-message, gtp-v0-c-tunnel-deleted-restart, gtp-v1-c-tunnel-deleted-restart, gtp-v2-c-tunnel-deleted-restart, gtp-v0-c-reserved-message-allow, gtp-v1-c-reserved-message-allow, gtp-v2-c-reserved-message-allow, gtp-v2-c-load-contr-info-exceed, gtp-v1-c-pdu-notification-request-forward, gtp-v1-c-pdu-notification-reject-request-forward, gtp-v0-c-pdu-notification-request-forward, gtp-v0-c-pdu-notification-reject-request-forward, gtp-v0-c-message-skipped-apn-filtering-no-imsi, gtp-v1-c-message-skipped-apn-filtering-no-imsi, gtp-v2-c-message-skipped-apn-filtering-no-imsi, gtp-v0-c-message-skipped-msisdn-filtering-no-imsi, gtp-v1-c-message-skipped-msisdn-filtering-no-imsi, gtp-v2-c-message-skipped-msisdn-filtering-no-imsi, gtp-v0-c-packet-dummy-msisdn, gtp-v1-c-packet-dummy-msisdn, gtp-v2-c-packet-dummy-msisdn, drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected, drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected, drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected, drop-vld-gtp-ie-repeat-count-exceed, drop-vld-reserved-field-set, drop-vld-tunnel-id-flag, drop-vld-invalid-flow-label-v0, drop-vld-invalid-teid, drop-vld-out-of-state, drop-vld-mandatory-information-element, drop-vld-mandatory-ie-in-grouped-ie, drop-vld-out-of-order-ie, drop-vld-out-of-state-ie, drop-vld-reserved-information-element, drop-vld-version-not-supported, drop-vld-message-length, drop-vld-cross-layer-correlation, drop-vld-country-code-mismatch, drop-vld-gtp-u-spoofed-source-address, drop-vld-gtp-bearer-count-exceed, drop-vld-gtp-v2-wrong-lbi-create-bearer-req, gtp-c-handover-in-progress-with-conn, drop-vld-v0-reserved-message-drop, drop-vld-v1-reserved-message-drop, drop-vld-v2-reserved-message-drop, drop-vld-invalid-pkt-len-piggyback, drop-vld-sanity-failed-piggyback, drop-vld-sequence-num-correlation, drop-vld-gtpv0-seqnum-buffer-full, drop-vld-gtpv1-seqnum-buffer-full, drop-vld-gtpv2-seqnum-buffer-full, drop-vld-gtp-invalid-imsi-len-drop, drop-vld-gtp-invalid-apn-len-drop, drop-vld-protocol-flag-unset, drop-vld-gtpv0-subscriber-attr-miss, drop-vld-gtpv1-subscriber-attr-miss, drop-vld-gtpv2-subscriber-attr-miss, drop-vld-gtp-v0-c-ie-len-exceed-msg-len, drop-vld-gtp-v1-c-ie-len-exceed-msg-len, drop-vld-gtp-v2-c-ie-len-exceed-msg-len, drop-vld-gtp-v0-c-message-length-mismatch, drop-vld-gtp-v1-c-message-length-mismatch, drop-vld-gtp-v2-c-message-length-mismatch, vld-message-monitor, gen-message-length-monitor, drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn, drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn

counters2

Description 'drop-flt-message-filtering': Filtering Drop: Message Type Not Permitted on Interface; 'drop-flt-apn-filtering': Filtering Drop: APN IMSI Filtering; 'drop-flt-msisdn-filtering': Filtering Drop: MSISDN Filtering; 'drop-flt-rat-type-filtering': Filtering Drop: RAT Type Filtering; 'drop-flt-gtp-in-gtp': Filtering Drop: GTP in GTP Tunnel Present; 'drop-rl-gtp-v0-c-agg': Rate-limit Drop: Maximum GTPv0-C Message rate; 'drop-rl-gtp-v1-c-agg': Rate-limit Drop: Maximum GTPv1-C Message rate; 'drop-rl-gtp-v2-c-agg': Rate-limit Drop: Maximum GTPv2-C Message rate; 'drop-rl-gtp-v1-c-create-pdp-request': Rate-limit Drop: GTPv1-C Create PDP Request rate; 'drop-rl-gtp-v2-c-create-session-request': Rate-limit Drop: GTPv2-C Create Session Request rate; 'drop-rl-gtp-v1-c-update-pdp-request': Rate-limit Drop: GTPv1-C Update PDP Request rate; 'drop-rl-gtp-v2-c-modify-bearer-request': Rate-limit Drop: GTPv2-C Modify Bearer Request rate; 'drop-rl-gtp-u-tunnel-create': Rate-limit Drop: GTP-U Tunnel Creation rate; 'drop-rl-gtp-u-uplink-byte': Rate-limit Drop: GTP-U Uplink byte rate; 'drop-rl-gtp-u-uplink-packet': Rate-limit Drop: GTP-U Uplink packet rate; 'drop-rl-gtp-u-downlink-byte': Rate-limit Drop: GTP-U Downlink byte rate; 'drop-rl-gtp-u-downlink-packet': Rate-limit Drop: GTP-U Downlink packet rate; 'drop-rl-gtp-u-total-byte': Rate-limit Drop: GTP-U Total byte rate; 'drop-rl-gtp-u-total-packet': Rate-limit Drop: GTP-U Total packet rate; 'drop-rl-gtp-u-max-concurrent-tunnels': Rate-limit Drop: GTP-U Concurrent Tunnels;

Type: string

Supported Values: drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn, drop-flt-message-filtering, drop-flt-apn-filtering, drop-flt-msisdn-filtering, drop-flt-rat-type-filtering, drop-flt-gtp-in-gtp, flt-message-monitor, rat-flt-message-monitor, apn-imsi-flt-message-monitor, msisdn-flt-message-monitor, gtp-in-gtp-flt-message-monitor, drop-rl-gtp-v0-c-agg, drop-rl-gtp-v1-c-agg, drop-rl-gtp-v2-c-agg, drop-rl-gtp-v1-c-create-pdp-request, drop-rl-gtp-v2-c-create-session-request, drop-rl-gtp-v1-c-update-pdp-request, drop-rl-gtp-v2-c-modify-bearer-request, drop-rl-gtp-u-tunnel-create, drop-rl-gtp-u-uplink-byte, drop-rl-gtp-u-uplink-packet, drop-rl-gtp-u-downlink-byte, drop-rl-gtp-u-downlink-packet, drop-rl-gtp-u-total-byte, drop-rl-gtp-u-total-packet, drop-rl-gtp-u-max-concurrent-tunnels, rl-message-monitor

2.139.15 template gtp-policy stats

Statistics for the object gtp-policy

gtp-policy Specification

Parameter	Value
Type	*Collection*
Collection Name	*gtp-policy-list*
Collection URI	/axapi/v3/template/gtp-policy/{name}
Element Name	gtp-policy
Element URI	/axapi/v3/template/gtp-policy/{name}/stats
Element Attributes	gtp-policy_attributes
Partition Visibility	None
Schema	`gtp-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

Create List

POST

/axapi/v3/template/gtp-policy/{name}

gtp-policy attributes

Get Object

GET

/axapi/v3/template/gtp-policy/{name}/stats

gtp-policy attributes

Get List

GET

/axapi/v3/template/gtp-policy/{name}

gtp-policy-list

Modify Object

POST

/axapi/v3/template/gtp-policy/{name}/stats

gtp-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp-policy/{name}/stats

gtp-policy attributes

Replace List

PUT

/axapi/v3/template/gtp-policy/{name}

gtp-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp-policy/{name}/stats

gtp-policy attributes

gtp-policy-list

gtp-policy-list is **JSON List** of *gtp-policy attributes*

gtp-policy-list : [

{ *gtp-policy attributes* },

{ *gtp-policy attributes* },

...

]

gtp-policy attributes

name

Description Configure the GTP Policy Name

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

stats

Description: stats is a **JSON Block**. Please see below for *stats*

Type: Object

stats

Specification	Value
Type	*object*

apn-imsi-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at APN-IMSI filtering policy

Type: number

Format: counter

drop-flt-apn-filtering

Description Filtering Drop: APN IMSI Filtering

Type: number

Format: counter

drop-flt-gtp-in-gtp

Description Filtering Drop: GTP in GTP Tunnel Present

Type: number

Format: counter

drop-flt-message-filtering

Description Filtering Drop: Message Type Not Permitted on Interface

Type: number

Format: counter

drop-flt-msisdn-filtering

Description Filtering Drop: MSISDN Filtering

Type: number

Format: counter

drop-flt-rat-type-filtering

Description Filtering Drop: RAT Type Filtering

Type: number

Format: counter

drop-rl-gtp-u-downlink-byte

Description Rate-limit Drop: GTP-U Downlink byte rate

Type: number

Format: counter

drop-rl-gtp-u-downlink-packet

Description Rate-limit Drop: GTP-U Downlink packet rate

Type: number

Format: counter

drop-rl-gtp-u-max-concurrent-tunnels

Description Rate-limit Drop: GTP-U Concurrent Tunnels

Type: number

Format: counter

drop-rl-gtp-u-total-byte

Description Rate-limit Drop: GTP-U Total byte rate

Type: number

Format: counter

drop-rl-gtp-u-total-packet

Description Rate-limit Drop: GTP-U Total packet rate

Type: number

Format: counter

drop-rl-gtp-u-tunnel-create

Description Rate-limit Drop: GTP-U Tunnel Creation rate

Type: number

Format: counter

drop-rl-gtp-u-uplink-byte

Description Rate-limit Drop: GTP-U Uplink byte rate

Type: number

Format: counter

drop-rl-gtp-u-uplink-packet

Description Rate-limit Drop: GTP-U Uplink packet rate

Type: number

Format: counter

drop-rl-gtp-v0-c-agg

Description Rate-limit Drop: Maximum GTPv0-C Message rate

Type: number

Format: counter

drop-rl-gtp-v1-c-agg

Description Rate-limit Drop: Maximum GTPv1-C Message rate

Type: number

Format: counter

drop-rl-gtp-v1-c-create-pdp-request

Description Rate-limit Drop: GTPv1-C Create PDP Request rate

Type: number

Format: counter

drop-rl-gtp-v1-c-update-pdp-request

Description Rate-limit Drop: GTPv1-C Update PDP Request rate

Type: number

Format: counter

drop-rl-gtp-v2-c-agg

Description Rate-limit Drop: Maximum GTPv2-C Message rate

Type: number

Format: counter

drop-rl-gtp-v2-c-create-session-request

Description Rate-limit Drop: GTPv2-C Create Session Request rate

Type: number

Format: counter

drop-rl-gtp-v2-c-modify-bearer-request

Description Rate-limit Drop: GTPv2-C Modify Bearer Request rate

Type: number

Format: counter

drop-vld-country-code-mismatch

Description Validation Drop: Country Code Mismatch in IMSI and MSISDN

Type: number

Format: counter

drop-vld-cross-layer-correlation

Description Validation Drop: Cross Layer IP Address Mismatch

Type: number

Format: counter

drop-vld-gtp-bearer-count-exceed

Description Validation Drop: GTP Bearer count exceeded max (11)

Type: number

Format: counter

drop-vld-gtp-ie-repeat-count-exceed

Description Validation Drop: GTP repeated IE count exceeded

Type: number

Format: counter

drop-vld-gtp-invalid-apn-len-drop

Description Validation Drop: GTP-C Invalid APN Length Drop

Type: number

Format: counter

drop-vld-gtp-invalid-imsi-len-drop

Description Validation Drop: GTP-C Invalid IMSI Length Drop

Type: number

Format: counter

drop-vld-gtp-u-spoofed-source-address

Description Validation Drop: GTP-U IP Address Spoofed

Type: number

Format: counter

drop-vld-gtp-v0-c-ie-len-exceed-msg-len

Description GTPv0-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v0-c-message-length-mismatch

Description GTPv0-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v0-c-message-skipped-apn-filtering-no-apn

Description Validation Drop: GTPv0-C APN/IMSI Filtering Dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v1-c-ie-len-exceed-msg-len

Description GTPv1-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v1-c-message-length-mismatch

Description GTPv1-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v1-c-message-skipped-apn-filtering-no-apn

Description Validation Drop: GTPv1-C APN/IMSI Filtering Dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v2-c-ie-len-exceed-msg-len

Description GTPv2-C IE Length Exceeds Message Length

Type: number

Format: counter

drop-vld-gtp-v2-c-message-length-mismatch

Description GTPv2-C Message Length Mismatch Across Layers

Type: number

Format: counter

drop-vld-gtp-v2-c-message-skipped-apn-filtering-no-apn

Description Validation Drop: GTPv2-C APN/IMSI Filtering Dropped (No APN)

Type: number

Format: counter

drop-vld-gtp-v2-wrong-lbi-create-bearer-req

Description Validation Drop: GTPV2-C Wrong LBI in Create Bearer Request

Type: number

Format: counter

drop-vld-gtpv0-seqnum-buffer-full

Description Validation Drop: GTPV0-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv0-subscriber-attr-miss

Description Validation Drop: GTPV0-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-gtpv1-seqnum-buffer-full

Description Validation Drop: GTPV1-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv1-subscriber-attr-miss

Description Validation Drop: GTPV1-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-gtpv2-seqnum-buffer-full

Description Validation Drop: GTPV2-C conn Sequence number Buffer Full

Type: number

Format: counter

drop-vld-gtpv2-subscriber-attr-miss

Description Validation Drop: GTPV2-c Subscriber Attributes Missing

Type: number

Format: counter

drop-vld-invalid-flow-label-v0

Description Validation Drop: Invalid Flow Label in GTPv0-C Header

Type: number

Format: counter

drop-vld-invalid-pkt-len-piggyback

Description Validation Drop: Piggyback message invalid packet length

Type: number

Format: counter

drop-vld-invalid-teid

Description Validation Drop: Invalid TEID Value

Type: number

Format: counter

drop-vld-mandatory-ie-in-grouped-ie

Description Validation Drop: Mandatory IE in Grouped IE Not Present

Type: number

Format: counter

drop-vld-mandatory-information-element

Description Validation Drop: Mandatory IE Not Present

Type: number

Format: counter

drop-vld-message-length

Description Validation Drop: Message Length Exceeded

Type: number

Format: counter

drop-vld-out-of-order-ie

Description Validation Drop: GTPv1-C Message Out of Order IE

Type: number

Format: counter

drop-vld-out-of-state

Description Validation Drop: Out Of State GTP Message

Type: number

Format: counter

drop-vld-out-of-state-ie

Description Validation Drop: Unexpected IE Present in Message

Type: number

Format: counter

drop-vld-protocol-flag-unset

Description Validation Drop: Protocol flag in Header Field not Set

Type: number

Format: counter

drop-vld-reserved-field-set

Description Validation Drop: Reserved Header Field Set

Type: number

Format: counter

drop-vld-reserved-information-element

Description Validation Drop: Reserved IE Field Present

Type: number

Format: counter

drop-vld-sanity-failed-piggyback

Description Validation Drop: piggyback message anomaly failed

Type: number

Format: counter

drop-vld-sanity-gtp-v0-c-message-with-teid-zero-expected

Description Validation Drop: GTPv0-C PDU Notification Request with TEID

Type: number

Format: counter

drop-vld-sanity-gtp-v1-c-message-with-teid-zero-expected

Description Validation Drop: GTPv1-C PDU Notification Request with TEID

Type: number

Format: counter

drop-vld-sanity-gtp-v2-c-message-with-teid-zero-expected

Description Validation Drop: GTPv2-C Create Session Request with TEID

Type: number

Format: counter

drop-vld-sequence-num-correlation

Description Validation Drop: GTP-C Sequence number Mismatch

Type: number

Format: counter

drop-vld-tunnel-id-flag

Description Validation Drop: Tunnel Header Flag Not Set

Type: number

Format: counter

drop-vld-v0-reserved-message-drop

Description Validation Drop: GTPv0-C Reserved Message Drop

Type: number

Format: counter

drop-vld-v1-reserved-message-drop

Description Validation Drop: GTPv1-C Reserved Message Drop

Type: number

Format: counter

drop-vld-v2-reserved-message-drop

Description Validation Drop: GTPv2-C Reserved Message Drop

Type: number

Format: counter

drop-vld-version-not-supported

Description Validation Drop: Invalid GTP version

Type: number

Format: counter

flt-message-monitor

Description GTP-C Message forwarded via monitor mode at message filtering policy

Type: number

Format: counter

gen-message-length-monitor

Description GTP Message forwarded via monitor mode at validation policy

Type: number

Format: counter

gtp-c-handover-in-progress-with-conn

Description GTP-C matching a conn with Handover In Progress

Type: number

Format: counter

gtp-in-gtp-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at GTP-IN_GTP filtering policy

Type: number

Format: counter

gtp-path-management-message

Description GTP Path Management Messages Received

Type: number

Format: counter

gtp-u-tunnel-created

Description GTP-U Tunnel Created

Type: number

Format: counter

gtp-u-tunnel-deleted

Description GTP-U Tunnel Deleted

Type: number

Format: counter

gtp-v0-c-create-pdp-resp-unsuccess

Description GTPv0-C Create PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v0-c-half-open-tunnel-closed

Description GTPv0-C Half open tunnel closed

Type: number

Format: counter

gtp-v0-c-message-skipped-apn-filtering-no-imsi

Description GTPv0-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v0-c-message-skipped-msisdn-filtering-no-imsi

Description GTPv0-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v0-c-packet-dummy-msisdn

Description GTPv0-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v0-c-pdu-notification-reject-request-forward

Description GTPv0-C PDU Notification Reject Request Forward

Type: number

Format: counter

gtp-v0-c-pdu-notification-request-forward

Description GTPv0-C PDU Notification Request Forward

Type: number

Format: counter

gtp-v0-c-reserved-message-allow

Description Permit GTPv0-C Reserved Messages

Type: number

Format: counter

gtp-v0-c-tunnel-closed

Description GTPv0-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v0-c-tunnel-created

Description GTPv0-C Tunnel Created

Type: number

Format: counter

gtp-v0-c-tunnel-deleted

Description GTPv0-C Tunnel Deleted

Type: number

Format: counter

gtp-v0-c-tunnel-deleted-restart

Description GTPv0-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v0-c-tunnel-half-closed

Description GTPv0-C Tunnel Delete Request

Type: number

Format: counter

gtp-v0-c-tunnel-half-open

Description GTPv0-C Half open tunnel created

Type: number

Format: counter

gtp-v0-c-update-pdp-resp-unsuccess

Description GTPv0-C Update PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v1-c-create-pdp-resp-unsuccess

Description GTPv1-C Create PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v1-c-half-open-tunnel-closed

Description GTPv1-C Half open tunnel closed

Type: number

Format: counter

gtp-v1-c-message-skipped-apn-filtering-no-imsi

Description GTPv1-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v1-c-message-skipped-msisdn-filtering-no-imsi

Description GTPv1-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v1-c-packet-dummy-msisdn

Description GTPv1-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v1-c-pdu-notification-reject-request-forward

Description GTPv1-C PDU Notification Reject Request Forward

Type: number

Format: counter

gtp-v1-c-pdu-notification-request-forward

Description GTPv1-C PDU Notification Request Forward

Type: number

Format: counter

gtp-v1-c-reserved-message-allow

Description Permit GTPv1-C Reserved Messages

Type: number

Format: counter

gtp-v1-c-tunnel-closed

Description GTPv1-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v1-c-tunnel-created

Description GTPv1-C Tunnel Created

Type: number

Format: counter

gtp-v1-c-tunnel-deleted

Description GTPv1-C Tunnel Deleted

Type: number

Format: counter

gtp-v1-c-tunnel-deleted-restart

Description GTPv1-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v1-c-tunnel-half-closed

Description GTPv1-C Tunnel Delete Request

Type: number

Format: counter

gtp-v1-c-tunnel-half-open

Description GTPv1-C Half open tunnel created

Type: number

Format: counter

gtp-v1-c-update-pdp-resp-unsuccess

Description GTPv1-C Update PDP Context Response Unsuccessful

Type: number

Format: counter

gtp-v2-c-create-sess-resp-unsuccess

Description GTPv2-C Create Session Response Unsuccessful

Type: number

Format: counter

gtp-v2-c-half-open-tunnel-closed

Description GTPv2-C Half open tunnel closed

Type: number

Format: counter

gtp-v2-c-load-contr-info-exceed

Description GTPv2-C Load Control Info IEs in message exceeded 2

Type: number

Format: counter

gtp-v2-c-message-skipped-apn-filtering-no-imsi

Description GTPv2-C APN/IMSI Filtering Skipped (No IMSI)

Type: number

Format: counter

gtp-v2-c-message-skipped-msisdn-filtering-no-imsi

Description GTPv2-C MSISDN Filtering Skipped (No MSISDN)

Type: number

Format: counter

gtp-v2-c-mod_bearer-resp-unsuccess

Description GTPv2-C Modify Bearer Response Unsuccessful

Type: number

Format: counter

gtp-v2-c-packet-dummy-msisdn

Description GTPv2-C Packet With Dummy MSISDN Forwarded

Type: number

Format: counter

gtp-v2-c-piggyback-message

Description GTPv2-C Piggyback Message

Type: number

Format: counter

gtp-v2-c-reserved-message-allow

Description Permit GTPv2-C Reserved Messages

Type: number

Format: counter

gtp-v2-c-tunnel-closed

Description GTPv2-C Tunnel Marked Deleted

Type: number

Format: counter

gtp-v2-c-tunnel-created

Description GTPv2-C Tunnel Created

Type: number

Format: counter

gtp-v2-c-tunnel-deleted

Description GTPv2-C Tunnel Deleted

Type: number

Format: counter

gtp-v2-c-tunnel-deleted-restart

Description GTPv2-C Tunnel Deleted with Restart/failure

Type: number

Format: counter

gtp-v2-c-tunnel-half-closed

Description GTPv2-C Tunnel Delete Request

Type: number

Format: counter

gtp-v2-c-tunnel-half-open

Description GTPv2-C Half open tunnel created

Type: number

Format: counter

msisdn-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at Msisdn filtering policy

Type: number

Format: counter

rat-flt-message-monitor

Description GTP-C Message forwarded via monitor mode at rat filtering policy

Type: number

Format: counter

rl-message-monitor

Description GTP Message forwarded via monitor mode at rate-limit policy

Type: number

Format: counter

vld-message-monitor

Description GTP Message forwarded via monitor mode at validation policy

Type: number

Format: counter

2.139.16 template gtp rate-limit-policy

Configure GTP Rate Limit policy

rate-limit-policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*rate-limit-policy-list*
Collection URI	/axapi/v3/template/gtp/rate-limit-policy
Element Name	rate-limit-policy
Element URI	/axapi/v3/template/gtp/rate-limit-policy/{name}
Element Attributes	rate-limit-policy_attributes
Partition Visibility	shared
Schema	`rate-limit-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/rate-limit-policy

rate-limit-policy attributes

```
POST /axapi/v3/template/gtp/rate-limit-policy/
Payload:
{
    "rate-limit-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp/rate-limit-policy

rate-limit-policy attributes

Get Object

GET

/axapi/v3/template/gtp/rate-limit-policy/{name}

rate-limit-policy attributes

```
GET /axapi/v3/template/gtp/rate-limit-policy/a
Reponse:
{
    "rate-limit-policy": {
        "name": "a",
        "rate-limit-action": "drop",
        "uuid": "2a584dae-b6e8-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/template/gtp/rate-limit-policy/a"
    }
}
```

Get List

GET

/axapi/v3/template/gtp/rate-limit-policy

rate-limit-policy-list

Modify Object

POST

/axapi/v3/template/gtp/rate-limit-policy/{name}

rate-limit-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/rate-limit-policy/{name}

rate-limit-policy attributes

```
PUT /axapi/v3/template/gtp/rate-limit-policy/a
Payload:
{
    "rate-limit-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/gtp/rate-limit-policy

rate-limit-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/rate-limit-policy/{name}

rate-limit-policy attributes

```
DELETE /axapi/v3/template/gtp/rate-limit-policy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

rate-limit-policy-list

rate-limit-policy-list is **JSON List** of *rate-limit-policy attributes*

rate-limit-policy-list : [

{ *rate-limit-policy attributes* },

{ *rate-limit-policy attributes* },

...

]

rate-limit-policy attributes

gtp-u-downlink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in downlink direction

Type: number

Range: 1-2147483647

gtp-u-downlink-packet-rate

Description Maximum allowed of rate of GTP-U packets in downlink direction

Type: number

Range: 1-2147483647

gtp-u-max-concurrent-tunnels

Description Maximum allowed GTP-U tunnels per Peer/APN Filter

Type: number

Range: 1-2147483647

gtp-u-total-byte-rate

Description Maximum allowed of rate of GTP-U bytes total in both directions

Type: number

Range: 1-2147483647

gtp-u-total-packet-rate

Description Maximum allowed of rate of GTP-U packets total in both directions

Type: number

Range: 1-2147483647

gtp-u-tunnel-create-rate

Description Maximum allowed of rate of GTP-U tunnels

Type: number

Range: 1-2147483647

gtp-u-uplink-byte-rate

Description Maximum allowed of rate of GTP-U bytes in uplink direction

Type: number

Range: 1-2147483647

gtp-u-uplink-packet-rate

Description Maximum allowed of rate of GTP-U packets in uplink direction

Type: number

Range: 1-2147483647

lockout

Description Lockout traffic from the source for a certain time period after rate exceeded (Lockout duration in minutes)

Type: number

Range: 1-1023

name

Description Specify name of the GTP Rate Limit Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

rate-limit-action

Description 'monitor': Forward packet exceeding limit; 'drop': drop packet exceeding limit(default);

Type: string

Supported Values: monitor, drop

Default: drop

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

v0-agg-message-type-rate

Description Maximum allowed GTPv0-C message rate of all types

Type: number

Range: 1-2147483647

v1-agg-message-type-rate

Description Maximum allowed GTPv1-C message rate of all types

Type: number

Range: 1-2147483647

v1-create-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Create PDP Request message type

Type: number

Range: 1-2147483647

v1-update-pdp-request-rate

Description Maximum allowed rate of GTPv1-C Update PDP Request message type

Type: number

Range: 1-2147483647

v2-agg-message-type-rate

Description Maximum allowed GTPv2-C message rate of all types

Type: number

Range: 1-2147483647

v2-create-session-request-rate

Description Maximum allowed rate of GTPv2-C Create Session Request message type

Type: number

Range: 1-2147483647

v2-modify-bearer-request-rate

Description Maximum allowed rate of GTPv2-C Modify Bearer Request message type

Type: number

Range: 1-2147483647

2.139.17 template gtp validation-policy

Configure GTP Validation Policy

validation-policy Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*name*
Collection Name	*validation-policy-list*
Collection URI	/axapi/v3/template/gtp/validation-policy
Element Name	validation-policy
Element URI	/axapi/v3/template/gtp/validation-policy/{name}
Element Attributes	validation-policy_attributes
Partition Visibility	shared
Schema	`validation-policy schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/gtp/validation-policy

validation-policy attributes

```
POST /axapi/v3/template/gtp/validation-policy/
Payload:
{
    "validation-policy": {
        "name": "a",
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/gtp/validation-policy

validation-policy attributes

Get Object

GET

/axapi/v3/template/gtp/validation-policy/{name}

validation-policy attributes

```
GET /axapi/v3/template/gtp/validation-policy/a
Reponse:
{
    "validation-policy": {
        "name": "a",
        "anomaly-checks": "enable",
        "anomaly-action": "drop",
        "mandatory-ie-check": "enable",
        "mandatory-ie-action": "drop",
        "reserved-ie-check": "enable",
        "reserved-ie-action": "drop",
        "out-of-state-ie-check": "disable",
        "out-of-order-ie-check": "disable",
        "anti-spoofing-check": "disable",
        "crosslayer-correlation": "disable",
        "msisdn-imsi-correlation": "disable",
        "sequence-num-correlation": "disable",
        "uuid": "0250481a-b6e9-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/template/gtp/validation-policy/a"
    }
}
```

Get List

GET

/axapi/v3/template/gtp/validation-policy

validation-policy-list

Modify Object

POST

/axapi/v3/template/gtp/validation-policy/{name}

validation-policy attributes

Replace Object

PUT

/axapi/v3/template/gtp/validation-policy/{name}

validation-policy attributes

```
PUT /axapi/v3/template/gtp/validation-policy/a
Payload:
{
    "validation-policy": {
        "name": "a",
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/gtp/validation-policy

validation-policy-list

Delete Object

DELETE

/axapi/v3/template/gtp/validation-policy/{name}

validation-policy attributes

```
DELETE /axapi/v3/template/gtp/validation-policy/a
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

validation-policy-list

validation-policy-list is **JSON List** of *validation-policy attributes*

validation-policy-list : [

{ *validation-policy attributes* },

{ *validation-policy attributes* },

...

]

validation-policy attributes

anomaly-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anomaly-checks

Description 'enable': Enable Anomaly Checks for GTP Messages; 'disable': Disable Anomaly Checks for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

anti-spoofing-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

anti-spoofing-check

Description 'enable': Enable Spoofed IP Address Check for GTP-U Messages; 'disable': Disable Spoofed IP Address Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

crosslayer-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

crosslayer-correlation

Description 'enable': Enable Cross Layer Correlation for GTP Messages; 'disable': Disable Cross Layer Correlation for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

mandatory-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

mandatory-ie-check

Description 'enable': Enable Mandatory IE Check for GTP Messages; 'disable': Disable Mandatory IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

msisdn-imsi-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

msisdn-imsi-correlation

Description 'enable': Enable Country Code Correlation in MSISDN and IMSI for GTP Messages; 'disable': Disable Country Code Correlation in MSISDN and IMSI for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

name

Description Specify name of the GTP Validation Policy

Type: string

Format: string-rlx

Maximum Length: 63 characters

Maximum Length: 1 characters

out-of-order-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-order-ie-check

Description 'enable': Enable Out of Order IE Check for GTP Messages; 'disable': Disable Out of Order IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

out-of-state-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

out-of-state-ie-check

Description 'enable': Enable Out of State IE Check for GTP Messages; 'disable': Disable Out of State IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: disable

reserved-ie-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

reserved-ie-check

Description 'enable': Enable Reserved IE Check for GTP Messages; 'disable': Disable Reserved IE Check for GTP Messages;

Type: string

Supported Values: enable, disable

Default: enable

sequence-num-corr-action

Description 'monitor': Forward failed packet; 'drop': drop check failed packet(default);

Type: string

Supported Values: monitor, drop

Default: drop

sequence-num-correlation

Description 'enable': Enable Sequence number correlation between GTP Request and Responses; 'disable': Disable Sequence number correlation between GTP Request and Responses;

Type: string

Supported Values: enable, disable

Default: disable

user-tag

Description Customized tag

Type: string

Format: string-rlx

Maximum Length: 127 characters

Maximum Length: 1 characters

uuid

Description uuid of the object

Type: string

Maximum Length: 64 characters

Maximum Length: 1 characters

2.139.18 template ip-threat-action

Create an IP Threat Action Template

ip-threat-action Specification

Parameter	Value
Type	*Collection*
Object Key(s)	*template-number*
Collection Name	*ip-threat-action-list*
Collection URI	/axapi/v3/template/ip-threat-action
Element Name	ip-threat-action
Element URI	/axapi/v3/template/ip-threat-action/{template-number}
Element Attributes	ip-threat-action_attributes
Partition Visibility	shared
Schema	`ip-threat-action schema`

Operations Allowed:

Create Object

POST

/axapi/v3/template/ip-threat-action

ip-threat-action attributes

```
POST /axapi/v3/template/ip-threat-action/
Payload:
{
    "ip-threat-action": {
        "template-number": 1,
        "user-tag": "a"
    }
}
```

Create List

POST

/axapi/v3/template/ip-threat-action

ip-threat-action attributes

Get Object

GET

/axapi/v3/template/ip-threat-action/{template-number}

ip-threat-action attributes

```
GET /axapi/v3/template/ip-threat-action/1
Reponse:
{
```

(continues on next page)

(continued from previous page)

```
    "ip-threat-action": {
        "template-number": 1,
        "idle-timeout": 5,
        "log": "disable",
        "uuid": "eae1734c-b6e9-11ef-8f5a-ae71681635d0",
        "user-tag": "a",
        "a10-url": "/axapi/v3/template/ip-threat-action/1"
    }
}
```

Get List

GET

/axapi/v3/template/ip-threat-action

ip-threat-action-list

Modify Object

POST

/axapi/v3/template/ip-threat-action/{template-number}

ip-threat-action attributes

Replace Object

PUT

/axapi/v3/template/ip-threat-action/{template-number}

ip-threat-action attributes

```
PUT /axapi/v3/template/ip-threat-action/1
Payload:
{
    "ip-threat-action": {
        "template-number": 1,
        "user-tag": "abcd"
    }
}
```

Replace List

PUT

/axapi/v3/template/ip-threat-action

ip-threat-action-list

Delete Object

DELETE

/axapi/v3/template/ip-threat-action/{template-number}

ip-threat-action attributes

```
DELETE /axapi/v3/template/ip-threat-action/1
Reponse:
{
    "response": {
        "http-status": 200,
        "status": "OK",
        "msg": "Success"
    }
}
```

ip-threat-action-list

ip-threat-action-list is **JSON List** of *ip-threat-action attributes*

ip-threat-action-list : [

{ *ip-threat-action attributes* },

{ *ip-threat-action attributes* },

...

]

ip-threat-action attributes

idle-timeout

Description Idle timeout in minutes(default:5)

Type: number

Range: 1-1440

Default: 5

log

Description 'enable': Enable logging; 'disable': Disable logging (Default);

Type: string

Supported Values: enable, disable

Default: disable

template-number

Description Template Number

Type: number

Range: 1-8

user-tag

Description Customized tag

Type: string

Format: string-rlx