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name-lookup

[no] name-lookup

Syntax Description

| | |
|-------------|---|
| no | (Optional) Negate a command or set its defaults |
| name-lookup | Display OSPF router ids as DNS names |

Command Mode

- /exec/configure/router-ospf /exec/configure/router-ospf/vrf

name-lookup

[no] name-lookup

Syntax Description

| | |
|-------------|---|
| no | (Optional) Negate a command or set its defaults |
| name-lookup | Enable Name Lookup for OSPF Neighbors |

Command Mode

- /exec/configure/router-ospf3 /exec/configure/router-ospf3/vrf

name

name [<name>] | no name

Syntax Description

| | |
|-------------|--------------------------------------|
| no | Negate a command or set its defaults |
| name | Redundancy name string |
| <i>name</i> | (Optional) name string |

Command Mode

- /exec/configure/if-eth-any/hsrp_ipv4 /exec/configure/if-eth-any/hsrp_ipv6

name

name <name-val> | no name [<name-val>]

Syntax Description

| | |
|-----------------|--------------------------------------|
| no | Negate a command or set its defaults |
| name | Set configuration name |
| <i>name-val</i> | Configuration name |

Command Mode

- /exec/configure/spanning-tree/mst/configuration

name

name <vlan-name> | no name

Syntax Description

| | |
|------------------|--------------------------------------|
| no | Negate a command or set its defaults |
| name | Ascii name of the VLAN |
| <i>vlan-name</i> | The ascii name for the VLAN |

Command Mode

- /exec/configure/vlan

nat destination

{ nat destination } | { no nat destination }

Syntax Description

| | |
|-------------|--------------------------------------|
| no | Negate a command or set its defaults |
| nat | Network Address Translation |
| destination | Destination NAT |

Command Mode

- /exec/configure/plb

nbm external-link

[no] nbm external-link

Syntax Description

| | |
|---------------|---|
| nbm | Non Blocking Multicast |
| external-link | link connected to external router. Configuring this will flap the interface |

Command Mode

- /exec/configure/if-igp

nbm flow-policy

[no] nbm flow-policy

Syntax Description

| | |
|-------------|---|
| no | (Optional) Negate a command or set its defaults |
| nbm | Non Blocking Multicast |
| flow-policy | Flow Policy Characteristics |

Command Mode

- /exec/configure

nbm flow acceptance-mode guaranteed nbm flow acceptance-mode

{ nbm flow acceptance-mode { guaranteed | best-fit } } | [no] nbm flow acceptance-mode

Syntax Description

| | |
|-----------------|---|
| nbm | Non Blocking Multicast |
| flow | Flow Characteristics |
| acceptance-mode | Flow Acceptance Mode |
| guaranteed | New flows are guaranteed to be accepted |
| best-fit | New flows are best-fit among fabric links |

Command Mode

- /exec/configure

nbm flow asm range

[no] nbm flow asm range <group> +

Syntax Description

| | |
|--------------|-----------------------------------|
| nbm | Non Blocking Multicast |
| flow | Flow Characteristics |
| asm | Any-Source Multicast (ASM) groups |
| range | Configure explicit group ranges |
| <i>group</i> | List of group range prefixes |

Command Mode

- /exec/configure

nbm flow bandwidth kbps mbps gbps

```
{ nbm flow bandwidth { <val_kbps> kbps | <val_mbps> mbps | <val_gbps> gbps } } | { no nbm flow bandwidth }
```

Syntax Description

| | |
|-----------------|----------------------------|
| nbm | Non Blocking Multicast |
| flow | Flow Characteristics |
| bandwidth | Bandwidth per flow |
| <i>val_kbps</i> | Per Flow Bandwidth in Kbps |
| kbps | Bandwidth value in Kbps |
| <i>val_mbps</i> | Per Flow Bandwidth in Mbps |
| mbps | Bandwidth value in Mbps |
| <i>val_gbps</i> | Per Flow Bandwidth in Gbps |
| gbps | Bandwidth value in Gbps |

Command Mode

- /exec/configure

nbm flow dscp

{ nbm flow dscp <val_dscp> } | { no nbm flow dscp }

Syntax Description

| | |
|-----------------|------------------------|
| nbm | Non Blocking Multicast |
| flow | Flow Characteristics |
| dscp | DSCP for the flow |
| <i>val_dscp</i> | Integer value |

Command Mode

- /exec/configure

nbm host-policy

[no] nbm host-policy

Syntax Description

| | |
|-------------|---|
| no | (Optional) Negate a command or set its defaults |
| nbm | Non Blocking Multicast |
| host-policy | NBM SW Host Admission Policy |

Command Mode

- /exec/configure

nbm mode pim-active

[no] nbm mode pim-active [__readonly__ <output>]

Syntax Description

| | |
|---------------|---|
| no | (Optional) Negate a command or set its defaults |
| nbm | Non Blocking Multicast |
| mode | Set pmn mode |
| pim-active | Bandwidth engine running in fabric |
| __readonly__ | (Optional) |
| <i>output</i> | (Optional) |

Command Mode

- /exec/configure

nbm reserve unicast fabric bandwidth

nbm reserve unicast fabric bandwidth <percentage> | no nbm reserve unicast fabric bandwidth

Syntax Description

| | |
|-------------------|--|
| no | Negate a command or set its defaults |
| nbm | Non Blocking Multicast |
| reserve | reserve bandwidth |
| unicast | unicast |
| fabric | fabric |
| bandwidth | percentage of bandwidth for unicast flow |
| <i>percentage</i> | percentage value |

Command Mode

- /exec/configure

negotiate auto

negotiate auto | no negotiate auto

Syntax Description

| | |
|-----------|---------------------------------------|
| no | Negate a command or set its defaults |
| negotiate | Configure link negotiation parameters |
| auto | Configure auto-negotiation |

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

negotiate auto 25000

[no] negotiate auto 25000

Syntax Description

| | |
|-----------|---|
| no | (Optional) Negate a command or set its defaults |
| negotiate | Configure link negotiation parameters |
| auto | Configure auto-negotiation |
| 25000 | Force auto-negotiate to only 25000 and change fec to auto |

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-non-member /exec/configure/if-port-channel

neighbor-down fib-accelerate

[no] neighbor-down fib-accelerate

Syntax Description

| | |
|----------------|--|
| no | (Optional) Negate a command or set its defaults |
| neighbor-down | Handle BGP neighbor down event, due to various reasons |
| fib-accelerate | Accelerate the hardware updates for IP/IPv6 adjacencies for neighbor |

Command Mode

- /exec/configure/router-bgp/vrf-cmds

neighbor

```
neighbor [ vrf { <vrf-name> | <vrf-known-name> } ] <ipaddr> { implicit-withdraw | labels accept <pfx-list>
| targeted } | no neighbor [ vrf { <vrf-name> | <vrf-known-name> } ] <ipaddr> [ implicit-withdraw | labels
accept | targeted ]
```

Syntax Description

| | |
|-----------------------|--|
| no | Negate a command or set its defaults |
| neighbor | Configure neighbor parameters |
| vrf | (Optional) VRF Routing/Forwarding instance information |
| <i>vrf-name</i> | (Optional) VPN Routing/Forwarding instance name |
| <i>vrf-known-name</i> | (Optional) Known VRF name |
| <i>ipaddr</i> | IP address for LDP neighbor |
| implicit-withdraw | Enable LDP Implicit Withdraw Label |
| labels | Configure label binding exchange controls |
| accept | Specify label bindings to accept |
| <i>pfx-list</i> | Name of prefix list |
| targeted | Establish targeted session |

Command Mode

- /exec/configure/ldp

neighbor

[no] neighbor { <neighbor-id> | <ipv6-neighbor-id> } [remote-as <asn>]

Syntax Description

| | |
|--------------------|---|
| no | (Optional) Negate a command or set its defaults |
| neighbor | Configure a BGP neighbor |
| <i>neighbor-id</i> | IP address of the neighbor |
| remote-as | (Optional) Specify Autonomous System Number of the neighbor |
| <i>asn</i> | (Optional) Autonomous System Number |

Command Mode

- /exec/configure/router-bgp

neighbor

[no] neighbor { <neighbor-id> | <ipv6-neighbor-id> } [remote-as <asn>]

Syntax Description

| | |
|--------------------|---|
| no | (Optional) Negate a command or set its defaults |
| neighbor | Configure a BGP neighbor |
| <i>neighbor-id</i> | IP address of the neighbor |
| remote-as | (Optional) Specify Autonomous System Number of the neighbor |
| <i>asn</i> | (Optional) Autonomous System Number |

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

neighbor

```
[no] neighbor { <neighbor-prefix> | <ipv6-neighbor-prefix> } [ remote-as [ <asn> | route-map <rmap-name> ] ]
```

Syntax Description

| | |
|------------------------|---|
| no | (Optional) Negate a command or set its defaults |
| neighbor | Configure a BGP neighbor |
| <i>neighbor-prefix</i> | IP prefix for neighbors |
| remote-as | (Optional) Specify Autonomous System Number of the neighbor |
| <i>asn</i> | (Optional) Autonomous System Number |
| route-map | (Optional) Route-map to match prefix peer AS number |
| <i>rmap-name</i> | (Optional) Route-map name |

Command Mode

- /exec/configure/router-bgp

neighbor

```
[no] neighbor { <neighbor-prefix> | <ipv6-neighbor-prefix> } [ remote-as [ <asn> | route-map <rmap-name> ] ]
```

Syntax Description

| | |
|------------------------|---|
| no | (Optional) Negate a command or set its defaults |
| neighbor | Configure a BGP neighbor |
| <i>neighbor-prefix</i> | IP prefix for neighbors |
| remote-as | (Optional) Specify Autonomous System Number of the neighbor |
| <i>asn</i> | (Optional) Autonomous System Number |
| route-map | (Optional) Route-map to match prefix peer AS number |
| <i>rmap-name</i> | (Optional) Route-map name |

Command Mode

- /exec/configure/router-bgp/router-bgp-vrf

neighbor maximum-prefix

```
{ { neighbor <address> { <interface> | maximum-prefix <value> [ warning-only ] } } | { no neighbor <address>
[ <interface> | maximum-prefix <value> [ warning-only ] ] } } | { { neighbor maximum-prefix <value> [
<threshold> ] [ warning-only ] [ restart <time1> ] [ restart-count <count> ] [ reset-time <time2> ] [ dampened
] } | { no neighbor maximum-prefix [ <value> [ <threshold> ] [ warning-only ] [ restart <time1> ] [ restart-count
<count> ] ] } }
```

Syntax Description

| | |
|------------------|---|
| no | Negate a command or set its defaults |
| neighbor | Specify a neighbor router |
| <i>interface</i> | Interface |
| <i>address</i> | Neighbor address |
| maximum-prefix | Maximum number of IP prefixes acceptable from a neighbor |
| <i>value</i> | Number of IP prefixes for maximum-prefix limit |
| <i>threshold</i> | (Optional) Threshold value (%) at which to generate a warning message |
| warning-only | (Optional) Only give warning message when limit is exceeded |
| restart | (Optional) Duration for which a prefix source is ignored |
| <i>time1</i> | (Optional) Restart interval in minutes |
| restart-count | (Optional) Number of times sessions are auto-restarted |
| <i>count</i> | (Optional) Number of times |
| reset-time | (Optional) Duration after which restart history is cleared |
| <i>time2</i> | (Optional) Reset time in minutes |
| dampened | (Optional) Exponentially increase restart time interval |

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

nemo config address port interval

[no] nemo config address <ip_address> port <portnum> interval <interval-num>

Syntax Description

| | |
|---------------------|---|
| no | (Optional) Negate a command or set its defaults |
| nemo | Nemo switch onboarding enabler |
| config | Configure Nemo for switch onboarding |
| address | IP address of the Nemo platform |
| <i>ip_address</i> | IP Address |
| port | Port number of the Nemo platform |
| <i>portnum</i> | Port number |
| interval | Config interval in millisecond |
| <i>interval-num</i> | Config interval in millisecond |

Command Mode

- /exec/configure

net

[no] net <net>

Syntax Description

| | |
|------------|---|
| no | (Optional) Negate a command or set its defaults |
| net | Configure Network Entity Title for IS-IS |
| <i>net</i> | NET in form of XX.XXXX.XXXX[.00] |

Command Mode

- /exec/configure/otv-isis

net

[no] net <net>

Syntax Description

| | |
|------------|---|
| no | (Optional) Negate a command or set its defaults |
| net | Configure Network Entity Title for IS-IS |
| <i>net</i> | NET in form of XX.XXXX.XXXX[.00] |

Command Mode

- /exec/configure/router-isis/router-isis-vrf-common

net

[no] net <net>

Syntax Description

| | |
|------------|---|
| no | (Optional) Negate a command or set its defaults |
| net | Configure Network Entity Title for IS-IS |
| <i>net</i> | NET in form of XX.XXXX.XXXX[.00] |

Command Mode

- /exec/configure/l2mp-isis/l2mp-isis-vrf-common

network

[no] network { { <address> <mask> } | <prefix> }

Syntax Description

| | |
|----------------|---|
| no | (Optional) Negate a command or set its defaults |
| network | Enable routing on an IP network |
| <i>address</i> | Network number |
| <i>mask</i> | EIGRP wild card bits |
| <i>prefix</i> | IP prefix in slash format |

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-ipv4

network

[no] network { <ip-dest> <ip-mask> | <ip-prefix> }

Syntax Description

| | |
|------------------|---|
| no | (Optional) Negate a command or set its defaults |
| network | RIP IP network |
| <i>ip-dest</i> | IP addr format |
| <i>ip-mask</i> | IP network mask format |
| <i>ip-prefix</i> | Exact prefix |

Command Mode

- /exec/configure/router-rip/router-rip-af-ipv4 /exec/configure/router-rip/router-rip-vrf-af-ipv4

network

[no] network { <ip-addr> mask <ip-mask> | <ip-prefix> } [route-map <rmap-name> | summarize | evpn] +

Syntax Description

| | |
|------------------|--|
| no | (Optional) Negate a command or set its defaults |
| network | Configure an IP prefix to advertise |
| <i>ip-addr</i> | IP network to advertise |
| mask | Configure the mask of the IP prefix to advertise |
| <i>ip-mask</i> | Dotted 4-octet mask |
| <i>ip-prefix</i> | IP prefix in CIDR format |
| route-map | (Optional) Apply route-map to modify attributes |
| <i>rmap-name</i> | (Optional) Route-map name |
| summarize | (Optional) Summarize more specific prefixes from routing table |
| evpn | (Optional) Only advertise route towards evpn side |

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv4 /exec/configure/router-bgp/router-bgp-vrf-af-ipv4

network

[no] network <ipv6-prefix> [route-map <rmap-name> | summarize] +

Syntax Description

| | |
|------------------|--|
| no | (Optional) Negate a command or set its defaults |
| network | Configure an IPv6 prefix to advertise |
| route-map | (Optional) Apply route-map to modify attributes |
| <i>rmap-name</i> | (Optional) Route-map name |
| summarize | (Optional) Summarize more specific prefixes from routing table |

Command Mode

- /exec/configure/router-bgp/router-bgp-af-ipv6 /exec/configure/router-bgp/router-bgp-vrf-af-ipv6

next-address exclude-address

```
{ next-address [ loose | strict ] <ipaddr> | exclude-address <ipaddr> }
```

Syntax Description

| | |
|-----------------|--|
| next-address | Specify the next address in the path |
| loose | (Optional) Target address is loose |
| strict | (Optional) Target address is strict |
| exclude-address | Exclude an address from subsequent partial path segments |
| <i>ipaddr</i> | Enter IP address (A.B.C.D) |

Command Mode

- /exec/configure/te/expl-path

next-hop-self

[no | default] next-hop-self

Syntax Description

| | |
|---------------|---|
| no | (Optional) Negate a command or set its defaults |
| default | (Optional) Inherit values from a peer template |
| next-hop-self | Set our peering address as nexthop |

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

next-hop-self

[no | default] next-hop-self

Syntax Description

| | |
|---------------|---|
| no | (Optional) Negate a command or set its defaults |
| default | (Optional) Inherit values from a peer template |
| next-hop-self | Set our peering address as nexthop |

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

next-hop-third-party

[no | default] next-hop-third-party

Syntax Description

| | |
|----------------------|---|
| no | (Optional) Negate a command or set its defaults |
| default | (Optional) Inherit values from a peer template |
| next-hop-third-party | Compute a third-party nexthop if possible |

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-mdt

next-hop-third-party

[no | default] next-hop-third-party

Syntax Description

| | |
|----------------------|---|
| no | (Optional) Negate a command or set its defaults |
| default | (Optional) Inherit values from a peer template |
| next-hop-third-party | Compute a third-party nexthop if possible |

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
/exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv6-label

next-hop out-label explicit-null implicit-null next-hop auto-resolve out-label explicit-null implicit-null

```
[no] { next-hop [ backup <interface> ] <next-hop> out-label { <static-outlabel> | explicit-null | implicit-null } | next-hop auto-resolve out-label { <static-outlabel> | explicit-null | implicit-null } }
```

Syntax Description

| | |
|------------------------|---|
| no | (Optional) Negate a command or set its defaults |
| next-hop | Nexthop |
| <i>next-hop</i> | Destination IPv4 next hop |
| <i>static-outlabel</i> | Label Value |
| <i>interface</i> | (Optional) Back up interface |
| out-label | Output label |
| explicit-null | IETF MPLS IPv4 explicit null label (0) |
| implicit-null | IETF MPLS implicit null label (3) |
| auto-resolve | auto resolve the destination path |
| backup | (Optional) Backup destination |

Command Mode

- /exec/configure/mpls_static/ipv4/input

next-hop out-label explicit-null implicit-null next-hop auto-resolve out-label explicit-null implicit-null

```
[no] { next-hop [ backup <interface> ] <ipv6-next-hop> out-label { <static-outlabel> | explicit-null | implicit-null } | next-hop auto-resolve out-label { <static-outlabel> | explicit-null | implicit-null } }
```

Syntax Description

| | |
|------------------------|---|
| no | (Optional) Negate a command or set its defaults |
| next-hop | Nexthop |
| <i>static-outlabel</i> | Label Value |
| <i>interface</i> | (Optional) Back up interface |
| out-label | Output label |
| explicit-null | IETF MPLS IPv6 explicit null label (2) |
| implicit-null | IETF MPLS implicit null label (3) |
| auto-resolve | auto resolve the destination path |
| backup | (Optional) Backup destination |

Command Mode

- /exec/configure/mpls_static/ipv6/input

nexthop route-map

[no] nexthop route-map <rmap-name>

Syntax Description

| | |
|------------------|---|
| no | (Optional) Negate a command or set its defaults |
| nexthop | Nexthop tracking |
| route-map | Route map for valid nexthops |
| <i>rmap-name</i> | Route-map name |

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn
/exec/configure/router-bgp/router-bgp-af-link-state /exec/configure/router-bgp/router-bgp-af-ipv4-mvpn
/exec/configure/router-bgp/router-bgp-af-ipv6-mvpn /exec/configure/router-bgp/router-bgp-af-ipv4-mdt
/exec/configure/router-bgp/router-bgp-af-l2vpn-vpls

nexthop trigger-delay critical non-critical

```
{ nexthop trigger-delay critical <criticaldelay> non-critical <noncriticaldelay> } | { no nexthop trigger-delay }
```

Syntax Description

| | |
|-------------------------|---|
| no | Negate a command or set its defaults |
| nexthop | Nexthop tracking |
| trigger-delay | Set the delay to trigger nexthop tracking |
| critical | Nexthop changes affecting reachability |
| non-critical | Other nexthop changes |
| <i>noncriticaldelay</i> | Delay value (milliseconds) |
| <i>criticaldelay</i> | Delay value (milliseconds) |

Command Mode

- /exec/configure/router-bgp/router-bgp-af /exec/configure/router-bgp/router-bgp-af-ipv4-mdt /exec/configure/router-bgp/router-bgp-af-ipv4-vpnv4 /exec/configure/router-bgp/router-bgp-af-ipv4-vpnv6 /exec/configure/router-bgp/router-bgp-af-link-state /exec/configure/router-bgp/router-bgp-af-l2vpn-vpls /exec/configure/router-bgp/router-bgp-af-ipv4-mvpn /exec/configure/router-bgp/router-bgp-af-ipv6-mvpn /exec/configure/router-bgp/router-bgp-af-l2vpn-evpn

ngoam authentication-key

{ ngoam authentication-key <value> } | { no ngoam authentication-key [<value>] }

Syntax Description

| | |
|--------------------|--------------------------------------|
| no | Negate a command or set its defaults |
| ngoam | Configure ngoam |
| authentication-key | Ngoam authentication-key |
| <i>value</i> | authentication key |

Command Mode

- /exec/configure

ngoam connect-check

[no] ngoam connect-check <id>

Syntax Description

| | |
|---------------|---|
| no | (Optional) Negate a command or set its defaults |
| ngoam | Configure ngoam |
| connect-check | Configure ngoam oam connectivity check |
| <i>id</i> | connect check id |

Command Mode

- /exec/configure

ngoam install acl

[no] ngoam install acl

Syntax Description

| | |
|---------|---|
| no | (Optional) Negate a command or set its defaults |
| ngoam | Configure ngoam |
| install | Ngoam install |
| acl | Ngoam install acl |

Command Mode

- /exec/configure

ngoam profile

[no] ngoam profile <profile-id>

Syntax Description

| | |
|-------------------|---|
| no | (Optional) Negate a command or set its defaults |
| ngoam | Configure ngoam |
| profile | Configure ngoam oam profile |
| <i>profile-id</i> | ngoam profile id |

Command Mode

- /exec/configure

ngoam xconnect hb-interval

```
{ ngoam xconnect hb-interval <ms> } | { no ngoam xconnect hb-interval [ <ms> ] }
```

Syntax Description

| | |
|-------------|--|
| no | Negate a command or set its defaults |
| ngoam | Configure ngoam |
| xconnect | Configure xconnect parameters |
| hb-interval | Configure xconnect heartbeat interval |
| <i>ms</i> | interval in ms, 3 failures triggers failure default is 190 |

Command Mode

- /exec/configure

no-more

| no-more

Syntax Description

| | |
|---------|--|
| | Pipe command output to filter |
| no-more | Turn-off pagination for command output |

Command Mode

- /output

no

{ [<seqno>] | no } { <addr> <wild> | <prefix> | host <hostaddr> }

Syntax Description

| | |
|-----------------|--|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>addr</i> | A.B.C.D Network address of object-group member |
| <i>wild</i> | A.B.C.D wildcard |
| <i>prefix</i> | A.B.C.D/nn Network prefix of the object-group member |
| host | Host address of the object-group member |
| <i>hostaddr</i> | A.B.C.D Host address |

Command Mode

- /exec/configure/ipgroup

no

[no] { userprofile | trustedCert | CRLLookup | user-switch-bind | user-certdn-match | user-pubkey-match }

Syntax Description

| | |
|-------------------|--------------------------------------|
| no | Negate a command or set its defaults |
| userprofile | Delete the userprofile |
| trustedCert | Delete the trustedCert |
| CRLLookup | Delete the CRLLookup |
| user-switch-bind | Delete the user-switch-bind |
| user-certdn-match | Delete the certificate matching |
| user-pubkey-match | Delete the pubkey matching |

Command Mode

- /exec/configure/ldap/search

no

[no] <seqno>

Syntax Description

| | |
|--------------|--------------------------------------|
| no | Negate a command or set its defaults |
| <i>seqno</i> | Sequence number |

Command Mode

- /exec/configure/arpacl /exec/configure/ipgroup /exec/configure/ipv6group /exec/configure/portgroup /exec/configure/timerange

no

[no] <seqno>

Syntax Description

| | |
|--------------|--------------------------------------|
| no | Negate a command or set its defaults |
| <i>seqno</i> | Sequence number |

Command Mode

- /exec/configure/macac1

no

[no] <seqno>

Syntax Description

| | |
|--------------|--------------------------------------|
| no | Negate a command or set its defaults |
| <i>seqno</i> | Sequence number |

Command Mode

- /exec/configure/mpsac1

no

[no] <seqno>

Syntax Description

| | |
|--------------|--------------------------------------|
| no | Negate a command or set its defaults |
| <i>seqno</i> | Sequence number |

Command Mode

- /exec/configure/ipacl /exec/configure/ipv6acl

no

```
{ [ <seqno> ] | no } <permitdeny> { { { { ethertype <ethertypeid> } | { ip | <proto> | <ip_other_proto> } { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } { [ [ fragments ] | [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { dscp { <dscp_num> | <dscp_str> } } } | { ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + { [ [ fragments ] | [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + [ capture session <session-id> ] } } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] } | { udf { <udf_name> <udf_val> <udf_mask> } + } } { [ <action> <actionid> ] } + [ log ]
```

Syntax Description

| | |
|-----------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| ethertype | Configure match based on ethertype |
| vlan | (Optional) Configure match based on vlan |
| ingress_intf | (Optional) Configure match based on ingress interface |
| vlan_priority | (Optional) Configure match based on priority |
| <i>ethertypeid</i> | Configure the ethertype value |
| <i>vlanid</i> | (Optional) VLAN number |
| <i>intfid</i> | (Optional) Interface index |
| <i>intfname</i> | (Optional) Interface name |
| <i>vlanpriorityid</i> | (Optional) Vlan Priority |
| ip | Any IP protocol |
| <i>proto</i> | A protocol number |
| <i>ip_other_proto</i> | ip_other_proto |
| <i>src_any</i> | Any |
| <i>src_addr</i> | Source network address |
| <i>src_wild</i> | Source wildcard bits |
| <i>src_prefix</i> | Source network prefix |

| | |
|-------------------------|---|
| <i>src_key_host</i> | A single source host |
| <i>src_host</i> | Source address |
| <i>src_key_addrgrp</i> | Source address group |
| <i>src_addrgrp_name</i> | Address group name |
| <i>dst_any</i> | Any |
| <i>dst_addr</i> | Destination network address |
| <i>dst_wild</i> | Destination wildcard bits |
| <i>dst_prefix</i> | Destination network prefix |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_host</i> | Destination address |
| <i>dst_key_addrgrp</i> | Destination address group |
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |
| <i>tos</i> | (Optional) Match packets with given TOS value |
| <i>tos_num</i> | (Optional) Type of service value |
| <i>tos_str</i> | (Optional) Type of service label |
| <i>precedence</i> | (Optional) Match packets with given precedence value |
| <i>prec_num</i> | (Optional) Precedence value |
| <i>prec_str</i> | (Optional) Precedence label |
| <i>fragments</i> | (Optional) Check non-initial fragments |
| <i>log</i> | (Optional) Log matches against this entry |
| <i>time-range</i> | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| <i>packet-length</i> | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |

| | |
|-------------------|---|
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| <i>ttl</i> | (Optional) Match Packets with a given TTL value |
| <i>ttl_num</i> | (Optional) |
| <i>capture</i> | (Optional) Enable packet capture on this filter for session |
| <i>session</i> | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| <i>udf</i> | (Optional) User defined field match |
| <i>udf_name</i> | (Optional) UDF name |
| <i>udf_val</i> | (Optional) UDF value to match |
| <i>udf_mask</i> | (Optional) Mask to apply to UDF value |
| <i>action</i> | (Optional) Action |
| <i>actionid</i> | (Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-PROTO: <1-65535> |

Command Mode

- /exec/configure/ipacl

no

```
{ [ <seqno> ] | no } <permitdeny> { { ethertype <ethertypeid> } | { <proto_tcp> { { { <src_any> | {
<src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name>
} } [ { { <src_port_op> { <src_port0> | <src_port0_str> } } | { <src_port_range> { <src_port1> |
<src_port1_str> } } { <src_port2> | <src_port2_str> } } | src_portgroup <src_port_group> } ] } <dst_any> | {
<dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name>
} } [ { { <dst_port_op> { <dst_port0> | <dst_port0_str> } } | { <dst_port_range> { <dst_port1> |
<dst_port1_str> } } { <dst_port2> | <dst_port2_str> } } | dst_portgroup <dst_port_group> } ] } [ { [ urg | ack |
psh | rst | syn | fin | established | [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0>
| <plen_range> <plen1> <plen2> } } | { dscp { <dscp_num> | <dscp_str> } } } | { http-method { <opt_num> |
<opt_str> } } } | { tcp-option-length <tcp_opt_len> } | { tcp-flags-mask <tcp_flags_mask> } | { ttl <ttl_num>
} ] } + | { [ urg | ack | psh | rst | syn | fin | established | [ log ] [ time-range <time_range_name> ] | packet-length
{ <plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { tos { <tos_num> | <tos_str> } } | { precedence
{ <prec_num> | <prec_str> } } } | { ttl <ttl_num> } ] } + } [ { udf { <udf_name> <udf_val> <udf_mask> } +
} ] } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | {
src_key_addrgrp <src_addrgrp_name> } } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } { [ [ fragments ] | [ log ] [ time-range
<time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { dscp {
<dscp_num> | <dscp_str> } } | { ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + |
{ [ [ fragments ] | [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } } | { tos { <tos_num> | <tos_str> } } } | { precedence { <prec_num> | <prec_str> } } | { ttl
<ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + } } } [ vlan <vlanid> | ingress_intf
{ <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + { [ [ urg | ack | psh | rst | syn | fin | established |
[ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1>
<plen2> } } | { dscp { <dscp_num> | <dscp_str> } } } | { http-method { <opt_num> | <opt_str> } } } | {
tcp-option-length <tcp_opt_len> } | { tcp-flags-mask <tcp_flags_mask> } | { ttl <ttl_num> } ] } + | { [ urg |
ack | psh | rst | syn | fin | established | [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op>
<plen0> | <plen_range> <plen1> <plen2> } } | { tos { <tos_num> | <tos_str> } } } | { precedence { <prec_num>
| <prec_str> } } } | { ttl <ttl_num> } ] } + } [ { udf { <udf_name> <udf_val> <udf_mask> } + } ] [ capture
session <session-id> ] [ [ <action> <actionid> ] ] + [ log ]
```

Syntax Description

| | |
|--------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| ethertype | Configure match based on ethertype |
| vlan | (Optional) Configure match based on vlan |
| ingress_intf | (Optional) Configure match based on ingress interface |
| vlan_priority | (Optional) Configure match based on priority |
| <i>ethertypeid</i> | Configure the ethertype value |
| <i>vlanid</i> | (Optional) VLAN number |

| | |
|-------------------------|-----------------------------|
| <i>intfid</i> | (Optional) Interface index |
| <i>intfname</i> | (Optional) Interface name |
| <i>vlanpriorityid</i> | (Optional) Vlan Priority |
| <i>proto_tcp</i> | Protocol |
| <i>src_any</i> | Any |
| <i>src_addr</i> | Source network address |
| <i>src_wild</i> | Source wildcard bits |
| <i>src_prefix</i> | Source network prefix |
| <i>src_key_host</i> | A single source host |
| <i>src_host</i> | Source address |
| <i>src_key_addrgrp</i> | Source address group |
| <i>src_addrgrp_name</i> | Address group name |
| <i>src_port_op</i> | (Optional) Port operator |
| <i>src_port_range</i> | (Optional) Port range |
| <i>src_port0</i> | (Optional) Port number |
| <i>src_port0_str</i> | (Optional) TCP port |
| <i>src_port1</i> | (Optional) Port number |
| <i>src_port1_str</i> | (Optional) TCP port |
| <i>src_port2</i> | (Optional) Port number |
| <i>src_port2_str</i> | (Optional) TCP port |
| <i>src_portgroup</i> | (Optional) src port group |
| <i>src_port_group</i> | (Optional) Port group name |
| <i>dst_any</i> | Any |
| <i>dst_addr</i> | Destination network address |
| <i>dst_wild</i> | Destination wildcard bits |
| <i>dst_prefix</i> | Destination network prefix |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_host</i> | Destination address |
| <i>dst_key_addrgrp</i> | Destination address group |

| | |
|-------------------------|---|
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dst_port_op</i> | (Optional) Port operator |
| <i>dst_port_range</i> | (Optional) Port range |
| <i>dst_port0</i> | (Optional) Port number |
| <i>dst_port0_str</i> | (Optional) TCP port |
| <i>dst_port1</i> | (Optional) Port number |
| <i>dst_port1_str</i> | (Optional) TCP port |
| <i>dst_port2</i> | (Optional) Port number |
| <i>dst_port2_str</i> | (Optional) TCP port |
| <i>dst_portgroup</i> | (Optional) dst port group |
| <i>dst_port_group</i> | (Optional) Port group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |
| <i>tos</i> | (Optional) Match packets with given TOS value |
| <i>tos_num</i> | (Optional) Type of service value |
| <i>tos_str</i> | (Optional) Type of service label |
| <i>precedence</i> | (Optional) Match packets with given precedence value |
| <i>prec_num</i> | (Optional) Precedence value |
| <i>prec_str</i> | (Optional) Precedence label |
| <i>fragments</i> | (Optional) Check non-initial fragments |
| <i>log</i> | (Optional) Log matches against this entry |
| <i>time-range</i> | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| <i>packet-length</i> | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |

| | |
|--------------------------|---|
| <i>plen2</i> | (Optional) Higher packet length |
| <i>ttl</i> | (Optional) Match Packets with a given TTL value |
| <i>ttl_num</i> | (Optional) |
| <i>tcp-option-length</i> | (Optional) Specify TCP Options size |
| <i>tcp_opt_len</i> | (Optional) TCP option length (multiples of 4 bytes) |
| <i>tcp-flags-mask</i> | (Optional) Specify TCP Flags |
| <i>tcp_flags_mask</i> | (Optional) TCP flags mask |
| <i>http-method</i> | (Optional) Match packets based on http-method |
| <i>opt_num</i> | (Optional) http_option value |
| <i>opt_str</i> | (Optional) http_option_param |
| <i>packet-length</i> | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| <i>urg</i> | (Optional) Match on the URG bit |
| <i>ack</i> | (Optional) Match on the ACK bit |
| <i>psh</i> | (Optional) Match on the PSH bit |
| <i>rst</i> | (Optional) Match on the RST bit |
| <i>syn</i> | (Optional) Match on the SYN bit |
| <i>fin</i> | (Optional) Match on the FIN bit |
| <i>established</i> | (Optional) Match established connections |
| <i>udf</i> | (Optional) User defined field match |
| <i>udf_name</i> | (Optional) UDF name |
| <i>udf_val</i> | (Optional) UDF value to match |
| <i>udf_mask</i> | (Optional) Mask to apply to UDF value |
| <i>capture</i> | (Optional) Enable packet capture on this filter for session |
| <i>session</i> | (Optional) Session ID <1-48> for this session |

| | |
|-------------------|---|
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| <i>action</i> | (Optional) Action |
| <i>actionid</i> | (Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> |

Command Mode

- /exec/configure/ipacl

no

```
{ [ <seqno> ] | no } <permitdeny> { { ethertype <ethertypeid> } | { <proto_udp> { { { <src_any> | {
<src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name>
} } [ { { <src_port_op> { <src_port0> | <src_port0_str> } } | { <src_port_range> { <src_port1> |
<src_port1_str> } { <src_port2> | <src_port2_str> } } | src_portgroup <src_port_group> } ] { <dst_any> | {
<dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name>
} } [ { { <dst_port_op> { <dst_port0> | <dst_port0_str> } } | { <dst_port_range> { <dst_port1> |
<dst_port1_str> } { <dst_port2> | <dst_port2_str> } } | dst_portgroup <dst_port_group> } ] { { [ [ log ] [
time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } |
{ dscp { <dscp_num> | <dscp_str> } } | { ttl <ttl_num> } ] } + | { [ [ log ] [ time-range <time_range_name>
] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> }
} | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } ] } + [ { udf { <udf_name> <udf_val>
<udf_mask> } + } ] [ nve vni <vni-id> ] } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | {
src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } { <dst_any> | { <dst_addr> <dst_wild>
} | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } { { [ [ fragments
] | [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1>
<plen2> } | { dscp { <dscp_num> | <dscp_str> } } | { ttl <ttl_num> } | { udf { <udf_name> <udf_val>
<udf_mask> } + } ] } + | { [ [ fragments ] | [ log ] [ time-range <time_range_name> ] | packet-length {
<plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence {
<prec_num> | <prec_str> } } | { ttl <ttl_num> } | { udf { <udf_name> <udf_val> <udf_mask> } + } ] } + }
} } [ nve vni <vni-id> ] } } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority
<vlanpriorityid> ] + { { [ [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> |
<plen_range> <plen1> <plen2> } | { dscp { <dscp_num> | <dscp_str> } } | { ttl <ttl_num> } ] } + | { [ [ log
] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2>
} | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } ] } + }
[ { udf { <udf_name> <udf_val> <udf_mask> } + } ] # 2293 ../feature/acl_mgr/cli/aclmgr.cmd [ capture
session <session-id> ] { [ <action> <actionid> ] } + [ log ]
```

Syntax Description

| | |
|--------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| ethertype | Configure match based on ethertype |
| vlan | (Optional) Configure match based on vlan |
| ingress_intf | (Optional) Configure match based on ingress interface |
| vlan_priority | (Optional) Configure match based on priority |
| <i>ethertypeid</i> | Configure the ethertype value |
| <i>vlanid</i> | (Optional) VLAN number |
| <i>intfid</i> | (Optional) Interface index |
| <i>intfname</i> | (Optional) Interface name |

| | |
|-------------------------|-----------------------------|
| <i>vlanpriorityid</i> | (Optional) Vlan Priority |
| <i>proto_udp</i> | Protocol |
| <i>src_any</i> | Any |
| <i>src_addr</i> | Source network address |
| <i>src_wild</i> | Source wildcard bits |
| <i>src_prefix</i> | Source network prefix |
| <i>src_key_host</i> | A single source host |
| <i>src_host</i> | Source address |
| <i>src_key_addrgrp</i> | Source address group |
| <i>src_addrgrp_name</i> | Address group name |
| <i>src_port_op</i> | (Optional) Port operator |
| <i>src_port_range</i> | (Optional) Port range |
| <i>src_port0</i> | (Optional) Port number |
| <i>src_port0_str</i> | (Optional) UDP port |
| <i>src_port1</i> | (Optional) Port number |
| <i>src_port1_str</i> | (Optional) UDP port |
| <i>src_port2</i> | (Optional) Port number |
| <i>src_port2_str</i> | (Optional) UDP port |
| <i>src_portgroup</i> | (Optional) src port group |
| <i>src_port_group</i> | (Optional) Port group name |
| <i>dst_any</i> | Any |
| <i>dst_addr</i> | Destination network address |
| <i>dst_wild</i> | Destination wildcard bits |
| <i>dst_prefix</i> | Destination network prefix |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_host</i> | Destination address |
| <i>dst_key_addrgrp</i> | Destination address group |
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dst_port_op</i> | (Optional) Port operator |

| | |
|------------------------|---|
| <i>dst_port_range</i> | (Optional) Port range |
| <i>dst_port0</i> | (Optional) Port number |
| <i>dst_port0_str</i> | (Optional) UDP port |
| <i>dst_port1</i> | (Optional) Port number |
| <i>dst_port1_str</i> | (Optional) UDP port |
| <i>dst_port2</i> | (Optional) Port number |
| <i>dst_port2_str</i> | (Optional) UDP port |
| <i>dst_portgroup</i> | (Optional) dst port group |
| <i>dst_port_group</i> | (Optional) Port group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |
| <i>tos</i> | (Optional) Match packets with given TOS value |
| <i>tos_num</i> | (Optional) Type of service value |
| <i>tos_str</i> | (Optional) Type of service label |
| <i>precedence</i> | (Optional) Match packets with given precedence value |
| <i>prec_num</i> | (Optional) Precedence value |
| <i>prec_str</i> | (Optional) Precedence label |
| <i>fragments</i> | (Optional) Check non-initial fragments |
| <i>log</i> | (Optional) Log matches against this entry |
| <i>time-range</i> | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| <i>packet-length</i> | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| <i>ttl</i> | (Optional) Match Packets with a given TTL value |

| | |
|-------------------|---|
| <i>ttl_num</i> | (Optional) |
| <i>nve</i> | (Optional) VNI ID <0-16777215> |
| <i>vni</i> | (Optional) VNI ID <0-16777215> |
| <i>vni-id</i> | (Optional) VNI ID <0-16777215> |
| <i>udf</i> | (Optional) User defined field match |
| <i>udf_name</i> | (Optional) UDF name |
| <i>udf_val</i> | (Optional) UDF value to match |
| <i>udf_mask</i> | (Optional) Mask to apply to UDF value |
| <i>capture</i> | (Optional) Enable packet capture on this filter for session |
| <i>session</i> | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| <i>action</i> | (Optional) Action |
| <i>actionid</i> | (Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> |

Command Mode

- /exec/configure/ipacl

no

```
{ [ <seqno> ] | no } <permitdeny> <proto_igmp> { { { <src_any> | { <src_addr> <src_wild> } | <src_prefix>
| { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } { <dst_any> | { <dst_addr>
<dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } { [
log ] [ time-range <time_range_name> ] | <igmp_num> | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } } | { dscp { <dscp_num> | <dscp_str> } } } ] + [ [ log ] [ time-range <time_range_name> ]
| <igmp_str> | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { dscp { <dscp_num>
| <dscp_str> } } ] + [ [ log ] [ time-range <time_range_name> ] | <igmp_num> | packet-length { <plen_op>
<plen0> | <plen_range> <plen1> <plen2> } } | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num>
| <prec_str> } } ] + [ [ log ] [ time-range <time_range_name> ] | <igmp_str> | packet-length { <plen_op>
<plen0> | <plen_range> <plen1> <plen2> } } | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num>
| <prec_str> } } ] + } } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host>
} | { src_key_addrgrp <src_addrgrp_name> } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } { [ [ fragments ] | [ log ] [ time-range
<time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { dscp {
<dscp_num> | <dscp_str> } } | { ttl <ttl_num> } } ] + [ [ [ fragments ] | [ log ] [ time-range
<time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } } | { tos {
<tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str> } } | { ttl <ttl_num> } } ] + } } [ capture
session <session-id> ] { [ <action> <actionid> ] } + [ log ] }
```

Syntax Description

| | |
|-------------------------|--------------------------------------|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| <i>proto_igmp</i> | Protocol |
| <i>src_any</i> | Any |
| <i>src_addr</i> | Source network address |
| <i>src_wild</i> | Source wildcard bits |
| <i>src_prefix</i> | Source network prefix |
| src_key_host | A single source host |
| <i>src_host</i> | Source address |
| src_key_addrgrp | Source address group |
| <i>src_addrgrp_name</i> | Address group name |
| <i>dst_any</i> | Any |
| <i>dst_addr</i> | Destination network address |
| <i>dst_wild</i> | Destination wildcard bits |

| | |
|-------------------------|---|
| <i>dst_prefix</i> | Destination network prefix |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_host</i> | Destination address |
| <i>dst_key_addrgrp</i> | Destination address group |
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |
| <i>tos</i> | (Optional) Match packets with given TOS value |
| <i>tos_num</i> | (Optional) Type of service value |
| <i>tos_str</i> | (Optional) Type of service label |
| <i>precedence</i> | (Optional) Match packets with given precedence value |
| <i>prec_num</i> | (Optional) Precedence value |
| <i>prec_str</i> | (Optional) Precedence label |
| <i>fragments</i> | (Optional) Check non-initial fragments |
| <i>log</i> | (Optional) Log matches against this entry |
| <i>time-range</i> | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| <i>packet-length</i> | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| <i>ttl</i> | (Optional) Match Packets with a given TTL value |
| <i>ttl_num</i> | (Optional) |
| <i>igmp_num</i> | (Optional) IGMP message type |
| <i>igmp_str</i> | (Optional) IGMP type |
| <i>capture</i> | (Optional) Enable packet capture on this filter for session |

| | |
|-------------------|---|
| <i>session</i> | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| <i>action</i> | (Optional) Action |
| <i>actionid</i> | (Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> |

Command Mode

- /exec/configure/ipacl

no

```
{ [ <seqno> ] | no } <permitdeny> { { { ethertype <ethertypeid> } | { <proto_icmp> { { { <src_any> | {
<src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name>
} } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp
<dst_addrgrp_name> } } } { [ [ log ] [ time-range <time_range_name> ] | { <icmp_type> [ <icmp_code> ] |
packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { dscp { <dscp_num> | <dscp_str>
} } ] + [ [ log ] [ time-range <time_range_name> ] | <icmp_str> | packet-length { <plen_op> <plen0> |
<plen_range> <plen1> <plen2> } | { dscp { <dscp_num> | <dscp_str> } } ] + [ [ log ] [ time-range
<time_range_name> ] | { <icmp_type> [ <icmp_code> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str> } } ] + [ [
log ] [ time-range <time_range_name> ] | <icmp_str> | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence { <prec_num> | <prec_str> } } ] + } }
| { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp
<src_addrgrp_name> } } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host>
} | { dst_key_addrgrp <dst_addrgrp_name> } } } { [ [ fragments ] [ log ] [ time-range <time_range_name>
] | packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { dscp { <dscp_num> | <dscp_str>
} } ] | { ttl <ttl_num> } } ] + [ [ [ fragments ] [ log ] [ time-range <time_range_name> ] | packet-length {
<plen_op> <plen0> | <plen_range> <plen1> <plen2> } | { tos { <tos_num> | <tos_str> } } | { precedence {
<prec_num> | <prec_str> } } | { ttl <ttl_num> } } ] + } } } [ vlan <vlanid> | ingress_intf { <intfid> |
<intfname> } | vlan_priority <vlanpriorityid> ] + [ capture session <session-id> ] { [ <action> <actionid> ]
} + [ log ] }
```

Syntax Description

| | |
|-----------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| ethertype | Configure match based on ethertype |
| vlan | (Optional) Configure match based on vlan |
| ingress_intf | (Optional) Configure match based on ingress interface |
| vlan_priority | (Optional) Configure match based on priority |
| <i>ethertypeid</i> | Configure the ethertype value |
| <i>vlanid</i> | (Optional) VLAN number |
| <i>intfid</i> | (Optional) Interface index |
| <i>intfname</i> | (Optional) Interface name |
| <i>vlanpriorityid</i> | (Optional) Vlan Priority |
| <i>proto_icmp</i> | Protocol |
| <i>src_any</i> | Any |

| | |
|-------------------------|---|
| <i>src_addr</i> | Source network address |
| <i>src_wild</i> | Source wildcard bits |
| <i>src_prefix</i> | Source network prefix |
| <i>src_key_host</i> | A single source host |
| <i>src_host</i> | Source address |
| <i>src_key_addrgrp</i> | Source address group |
| <i>src_addrgrp_name</i> | Address group name |
| <i>dst_any</i> | Any |
| <i>dst_addr</i> | Destination network address |
| <i>dst_wild</i> | Destination wildcard bits |
| <i>dst_prefix</i> | Destination network prefix |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_host</i> | Destination address |
| <i>dst_key_addrgrp</i> | Destination address group |
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |
| <i>tos</i> | (Optional) Match packets with given TOS value |
| <i>tos_num</i> | (Optional) Type of service value |
| <i>tos_str</i> | (Optional) Type of service label |
| <i>precedence</i> | (Optional) Match packets with given precedence value |
| <i>prec_num</i> | (Optional) Precedence value |
| <i>prec_str</i> | (Optional) Precedence label |
| <i>fragments</i> | (Optional) Check non-initial fragments |
| <i>log</i> | (Optional) Log matches against this entry |
| <i>time-range</i> | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| <i>packet-length</i> | (Optional) Match packets based on layer 3 packet length |

| | |
|-------------------|---|
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| <i>ttl</i> | (Optional) Match Packets with a given TTL value |
| <i>ttl_num</i> | (Optional) |
| <i>icmp_type</i> | (Optional) ICMP message type |
| <i>icmp_code</i> | (Optional) ICMP message code |
| <i>icmp_str</i> | (Optional) ICMP label |
| <i>capture</i> | (Optional) Enable packet capture on this filter for session |
| <i>session</i> | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| <i>action</i> | (Optional) Action |
| <i>actionid</i> | (Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> |

Command Mode

- /exec/configure/ipacl

no

```
{ [ <seqno> ] | no } <permitdeny> <proto_tcp> { { { <src_any> | { <src_addr> <src_wild> } | <src_prefix>
| { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } [ { { <src_port_op> { <src_port0>
| <src_port0_str> } } | { <src_port_range> { <src_port1> | <src_port1_str> } { <src_port2> | <src_port2_str>
} } | src_portgroup <src_port_group> } ] { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } [ { { <dst_port_op> { <dst_port0>
| <dst_port0_str> } } | { <dst_port_range> { <dst_port1> | <dst_port1_str> } { <dst_port2> | <dst_port2_str>
} } | dst_portgroup <dst_port_group> } ] [ { { dscp { <dscp_num> | <dscp_str> } } ] [ { flow-label
<flow_num> } ] [ log ] [ time-range <time_range_name> ] [ urg | ack | psh | rst | syn | fin | established ] | {
tcp-flags-mask <tcp_flags_mask> } | [ packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2>
} ] ] + } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> } | {
src_key_addrgrp <src_addrgrp_name> } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } { [ { dscp { <dscp_num> | <dscp_str>
} } ] [ { flow-label <flow_num> } ] [ fragments ] [ log ] [ time-range <time_range_name> ] [ packet-length
{ <plen_op> <plen0> | <plen_range> <plen1> <plen2> } ] [ { udf { <udf_name> <udf_val> <udf_mask> }
+ } ] ] + } } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [
capture session <session-id> ] [ { <actionv6> <actionidv6> } ] }
```

Syntax Description

| | |
|-----------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| <i>proto_tcp</i> | Protocol |
| vlan | (Optional) Configure match based on vlan |
| ingress_intf | (Optional) Configure match based on ingress interface |
| vlan_priority | (Optional) Configure match based on priority |
| udf | (Optional) User defined field match |
| <i>udf_name</i> | (Optional) UDF name |
| <i>udf_val</i> | (Optional) UDF value to match |
| <i>udf_mask</i> | (Optional) Mask to apply to UDF value |
| <i>vlanid</i> | (Optional) VLAN number |
| <i>intfid</i> | (Optional) Interface index |
| <i>intfname</i> | (Optional) Interface name |
| <i>vlanpriorityid</i> | (Optional) Vlan Priority |
| <i>src_any</i> | Any |
| src_key_host | A single source host |

| | |
|-------------------------|--|
| <i>src_key_addrgrp</i> | Source address group |
| <i>src_addrgrp_name</i> | Address group name |
| <i>src_port_op</i> | (Optional) Port operator |
| <i>src_port_range</i> | (Optional) Port range |
| <i>src_port0</i> | (Optional) Port number |
| <i>src_port0_str</i> | (Optional) TCP port |
| <i>src_port1</i> | (Optional) Port number |
| <i>src_port1_str</i> | (Optional) TCP port |
| <i>src_port2</i> | (Optional) Port number |
| <i>src_port2_str</i> | (Optional) TCP port |
| <i>src_portgroup</i> | (Optional) src port group |
| <i>src_port_group</i> | (Optional) Port group name |
| <i>dst_any</i> | Any |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_key_addrgrp</i> | Destination address group |
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dst_port_op</i> | (Optional) Port operator |
| <i>dst_port_range</i> | (Optional) Port range |
| <i>dst_port0</i> | (Optional) Port number |
| <i>dst_port0_str</i> | (Optional) TCP port |
| <i>dst_port1</i> | (Optional) Port number |
| <i>dst_port1_str</i> | (Optional) TCP port |
| <i>dst_port2</i> | (Optional) Port number |
| <i>dst_port2_str</i> | (Optional) TCP port |
| <i>dst_portgroup</i> | (Optional) dst port group |
| <i>dst_port_group</i> | (Optional) Port group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |

| | |
|------------------------|---|
| flow-label | (Optional) Flow label |
| <i>flow_num</i> | (Optional) Flow label value |
| fragments | (Optional) Check non-initial fragments |
| log | (Optional) Log matches against this entry |
| time-range | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| packet-length | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| tcp-flags-mask | Specify TCP Flags |
| <i>tcp_flags_mask</i> | TCP flags mask |
| urg | (Optional) Match on the URG bit |
| ack | (Optional) Match on the ACK bit |
| psh | (Optional) Match on the PSH bit |
| rst | (Optional) Match on the RST bit |
| syn | (Optional) Match on the SYN bit |
| fin | (Optional) Match on the FIN bit |
| established | (Optional) Match established connections |
| capture | (Optional) Enable packet capture on this filter for session |
| session | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| <i>actionv6</i> | (Optional) ActionV6 |
| <i>actionidv6</i> | (Optional) redirect: Ethernet1/1,port-channell set-erspan-dscp: <1-63> set-erspan-gre-PROTO: <1-65535> |

Command Mode

- /exec/configure/ipv6acl

no

```
{ [ <seqno> ] no } <permitdeny> <proto_udp> { { { <src_any> | { <src_addr> <src_wild> } | <src_prefix>
| { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } [ { { <src_port_op> { <src_port0>
| <src_port0_str> } } | { <src_port_range> { <src_port1> | <src_port1_str> } { <src_port2> | <src_port2_str>
} } | src_portgroup <src_port_group> } ] { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } [ { { <dst_port_op> { <dst_port0>
| <dst_port0_str> } } | { <dst_port_range> { <dst_port1> | <dst_port1_str> } { <dst_port2> | <dst_port2_str>
} } | dst_portgroup <dst_port_group> } ] [ { { dscp { <dscp_num> | <dscp_str> } } ] [ { flow-label <flow_num>
} ] [ log ] [ time-range <time_range_name> ] [ packet-length { <plen_op> <plen0> | <plen_range> <plen1>
<plen2> } ] + } [ nve vni <vni-id> ] | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | {
src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } { <dst_any> | { <dst_addr> <dst_wild>
} | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } { { dscp {
<dscp_num> | <dscp_str> } } ] [ { flow-label <flow_num> } ] [ fragments ] [ log ] [ time-range
<time_range_name> ] [ packet-length { <plen_op> <plen0> | <plen_range> <plen1> <plen2> } ] [ { udf {
<udf_name> <udf_val> <udf_mask> } + } ] + } ] [ nve vni <vni-id> ] [ vlan <vlanid> | ingress_intf {
<intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ capture session <session-id> ] { [ <actionv6>
<actionidv6> ] }
```

Syntax Description

| | |
|-----------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| <i>proto_udp</i> | Protocol |
| vlan | (Optional) Configure match based on vlan |
| ingress_intf | (Optional) Configure match based on ingress interface |
| vlan_priority | (Optional) Configure match based on priority |
| udf | (Optional) User defined field match |
| <i>udf_name</i> | (Optional) UDF name |
| <i>udf_val</i> | (Optional) UDF value to match |
| <i>udf_mask</i> | (Optional) Mask to apply to UDF value |
| <i>vlanid</i> | (Optional) VLAN number |
| <i>intfid</i> | (Optional) Interface index |
| <i>intfname</i> | (Optional) Interface name |
| <i>vlanpriorityid</i> | (Optional) Vlan Priority |
| <i>src_any</i> | Any |
| src_key_host | A single source host |

| | |
|-------------------------|--|
| <i>src_key_addrgrp</i> | Source address group |
| <i>src_addrgrp_name</i> | Address group name |
| <i>src_port_op</i> | (Optional) Port operator |
| <i>src_port_range</i> | (Optional) Port range |
| <i>src_port0</i> | (Optional) Port number |
| <i>src_port0_str</i> | (Optional) UDP port |
| <i>src_port1</i> | (Optional) Port number |
| <i>src_port1_str</i> | (Optional) UDP port |
| <i>src_port2</i> | (Optional) Port number |
| <i>src_port2_str</i> | (Optional) UDP port |
| <i>src_portgroup</i> | (Optional) src port group |
| <i>src_port_group</i> | (Optional) Port group name |
| <i>dst_any</i> | Any |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_key_addrgrp</i> | Destination address group |
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dst_port_op</i> | (Optional) Port operator |
| <i>dst_port_range</i> | (Optional) Port range |
| <i>dst_port0</i> | (Optional) Port number |
| <i>dst_port0_str</i> | (Optional) UDP port |
| <i>dst_port1</i> | (Optional) Port number |
| <i>dst_port1_str</i> | (Optional) UDP port |
| <i>dst_port2</i> | (Optional) Port number |
| <i>dst_port2_str</i> | (Optional) UDP port |
| <i>dst_portgroup</i> | (Optional) dst port group |
| <i>dst_port_group</i> | (Optional) Port group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |

| | |
|------------------------|---|
| flow-label | (Optional) Flow label |
| <i>flow_num</i> | (Optional) Flow label value |
| fragments | (Optional) Check non-initial fragments |
| log | (Optional) Log matches against this entry |
| time-range | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| packet-length | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| capture | (Optional) Enable packet capture on this filter for session |
| session | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| nve | (Optional) VNI ID <0-16777215> |
| vni | (Optional) VNI ID <0-16777215> |
| <i>vni-id</i> | (Optional) VNI ID <0-16777215> |
| <i>actionv6</i> | (Optional) ActionV6 |
| <i>actionidv6</i> | (Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> |

Command Mode

- /exec/configure/ipv6acl

no

```
{ [ <seqno> ] | no } <permitdeny> <proto_sctp> { { { <src_any> | { <src_addr> <src_wild> } | <src_prefix>
| { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } [ { { <src_port_op> { <src_port0>
| <src_port0_str> } } | { <src_port_range> { <src_port1> | <src_port1_str> } { <src_port2> | <src_port2_str>
} } | src_portgroup <src_port_group> } ] { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } [ { { <dst_port_op> { <dst_port0>
| <dst_port0_str> } } | { <dst_port_range> { <dst_port1> | <dst_port1_str> } { <dst_port2> | <dst_port2_str>
} } | dst_portgroup <dst_port_group> } ] [ { dscp { <dscp_num> | <dscp_str> } } ] [ { flow-label <flow_num>
} ] [ log ] [ time-range <time_range_name> ] [ packet-length { <plen_op> <plen0> | <plen_range> <plen1>
<plen2> } ] ] + } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> }
| { src_key_addrgrp <src_addrgrp_name> } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } [ { dscp { <dscp_num> | <dscp_str>
} } ] [ { flow-label <flow_num> } ] [ fragments ] [ log ] [ time-range <time_range_name> ] [ packet-length
{ <plen_op> <plen0> | <plen_range> <plen1> <plen2> } ] [ { udf { <udf_name> <udf_val> <udf_mask> }
+ } ] ] + [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [ capture
session <session-id> ] }
```

Syntax Description

| | |
|-----------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| <i>proto_sctp</i> | Protocol |
| vlan | (Optional) Configure match based on vlan |
| ingress_intf | (Optional) Configure match based on ingress interface |
| vlan_priority | (Optional) Configure match based on priority |
| udf | (Optional) User defined field match |
| <i>udf_name</i> | (Optional) UDF name |
| <i>udf_val</i> | (Optional) UDF value to match |
| <i>udf_mask</i> | (Optional) Mask to apply to UDF value |
| <i>vlanid</i> | (Optional) VLAN number |
| <i>intfid</i> | (Optional) Interface index |
| <i>intfname</i> | (Optional) Interface name |
| <i>vlanpriorityid</i> | (Optional) Vlan Priority |
| <i>src_any</i> | Any |
| src_key_host | A single source host |

| | |
|-------------------------|--|
| <i>src_key_addrgrp</i> | Source address group |
| <i>src_addrgrp_name</i> | Address group name |
| <i>src_port_op</i> | (Optional) Port operator |
| <i>src_port_range</i> | (Optional) Port range |
| <i>src_port0</i> | (Optional) Port number |
| <i>src_port0_str</i> | (Optional) SCTP port |
| <i>src_port1</i> | (Optional) Port number |
| <i>src_port1_str</i> | (Optional) SCTP port |
| <i>src_port2</i> | (Optional) Port number |
| <i>src_port2_str</i> | (Optional) SCTP port |
| <i>src_portgroup</i> | (Optional) src port group |
| <i>src_port_group</i> | (Optional) Port group name |
| <i>dst_any</i> | Any |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_key_addrgrp</i> | Destination address group |
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dst_port_op</i> | (Optional) Port operator |
| <i>dst_port_range</i> | (Optional) Port range |
| <i>dst_port0</i> | (Optional) Port number |
| <i>dst_port0_str</i> | (Optional) SCTP port |
| <i>dst_port1</i> | (Optional) Port number |
| <i>dst_port1_str</i> | (Optional) SCTP port |
| <i>dst_port2</i> | (Optional) Port number |
| <i>dst_port2_str</i> | (Optional) SCTP port |
| <i>dst_portgroup</i> | (Optional) dst port group |
| <i>dst_port_group</i> | (Optional) Port group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |

| | |
|------------------------|---|
| flow-label | (Optional) Flow label |
| <i>flow_num</i> | (Optional) Flow label value |
| fragments | (Optional) Check non-initial fragments |
| log | (Optional) Log matches against this entry |
| time-range | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| packet-length | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| capture | (Optional) Enable packet capture on this filter for session |
| session | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |

Command Mode

- /exec/configure/ipv6acl

no

```
{ [ <seqno> ] no } <permitdeny> <proto_icmpv6> { { { { <src_any> | { <src_addr> <src_wild> } |
<src_prefix> | { src_key_host <src_host> } | { src_key_addrgrp <src_addrgrp_name> } } } { <dst_any> | {
<dst_addr> <dst_wild> } | <dst_prefix> | { dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name>
} } } { [ { <icmpv6_type> [ <icmpv6_code> ] } | { dscp { <dscp_num> | <dscp_str> } } | { flow-label
<flow_num> } ] [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range>
<plen1> <plen2> } } ] + [ <icmpv6_str> | { dscp { <dscp_num> | <dscp_str> } } | { flow-label <flow_num>
} ] [ log ] [ time-range <time_range_name> ] | packet-length { <plen_op> <plen0> | <plen_range> <plen1>
<plen2> } } ] + } | { { <src_any> | { <src_addr> <src_wild> } | <src_prefix> | { src_key_host <src_host> }
| { src_key_addrgrp <src_addrgrp_name> } } } { <dst_any> | { <dst_addr> <dst_wild> } | <dst_prefix> | {
dst_key_host <dst_host> } | { dst_key_addrgrp <dst_addrgrp_name> } } } { [ { dscp { <dscp_num> | <dscp_str>
} } ] [ { flow-label <flow_num> } ] [ fragments ] [ log ] [ time-range <time_range_name> ] [ packet-length
{ <plen_op> <plen0> | <plen_range> <plen1> <plen2> } ] [ { udf { <udf_name> <udf_val> <udf_mask>
+ } } ] + } } [ vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid> ] + [
capture session <session-id> ] { [ <actionv6> <actionidv6> ] } }
```

Syntax Description

| | |
|-----------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| <i>proto_icmpv6</i> | Protocol |
| vlan | (Optional) Configure match based on vlan |
| ingress_intf | (Optional) Configure match based on ingress interface |
| vlan_priority | (Optional) Configure match based on priority |
| udf | (Optional) User defined field match |
| <i>udf_name</i> | (Optional) UDF name |
| <i>udf_val</i> | (Optional) UDF value to match |
| <i>udf_mask</i> | (Optional) Mask to apply to UDF value |
| <i>vlanid</i> | (Optional) VLAN number |
| <i>intfid</i> | (Optional) Interface index |
| <i>intfname</i> | (Optional) Interface name |
| <i>vlanpriorityid</i> | (Optional) Vlan Priority |
| <i>src_any</i> | Any |
| src_key_host | A single source host |
| src_key_addrgrp | Source address group |

| | |
|-------------------------|---|
| <i>src_addrgrp_name</i> | Address group name |
| <i>dst_any</i> | Any |
| <i>dst_key_host</i> | A single destination host |
| <i>dst_key_addrgrp</i> | Destination address group |
| <i>dst_addrgrp_name</i> | Address group name |
| <i>dscp</i> | (Optional) Match packets with given dscp value |
| <i>dscp_num</i> | (Optional) Differentiated services codepoint value |
| <i>dscp_str</i> | (Optional) Differentiated services codepoint label |
| <i>flow-label</i> | (Optional) Flow label |
| <i>flow_num</i> | (Optional) Flow label value |
| <i>fragments</i> | (Optional) Check non-initial fragments |
| <i>log</i> | (Optional) Log matches against this entry |
| <i>time-range</i> | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| <i>packet-length</i> | (Optional) Match packets based on layer 3 packet length |
| <i>plen_op</i> | (Optional) Packet-length operator |
| <i>plen_range</i> | (Optional) Packet-length range |
| <i>plen0</i> | (Optional) Packet length |
| <i>plen1</i> | (Optional) Lower packet length |
| <i>plen2</i> | (Optional) Higher packet length |
| <i>icmpv6_type</i> | (Optional) ICMPv6 message type |
| <i>icmpv6_code</i> | (Optional) ICMPv6 message code |
| <i>icmpv6_str</i> | (Optional) ICMPv6 label |
| <i>capture</i> | (Optional) Enable packet capture on this filter for session |
| <i>session</i> | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| <i>actionv6</i> | (Optional) ActionV6 |
| <i>actionidv6</i> | (Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535> |

Command Mode

- /exec/configure/ipv6acl

no

```
{ { [ <seqno> ] | no } <permitdeny> { { [ <arp_request> ] req_ip { <sender1_ip_any> | { { <sender1_host>
<sender1_ip> | { <sender1_net_ip> <sender1_ip_mask> } } } } mac { <sender1_mac_any> | { {
<sender1_mac_host> <sender1_mac> | { <sender1_net_mac> <sender1_mac_mask> } } } } | {
<arp_response> resp_ip { <sender2_ip_any> | { { <sender2_host> <sender2_ip> | { <sender2_net_ip>
<sender2_ip_mask> } } } } { <target_ip_any> | { { <target_host> <target_ip> | { <target_net_ip>
<target_ip_mask> } } } } mac { <sender2_mac_any> | { { <sender2_mac_host> <sender2_mac> | {
<sender2_net_mac> <sender2_mac_mask> } } } } [ { <target_mac_any> | { { <target_mac_host> <target_mac>
| { <target_net_mac> <target_mac_mask> } } } } ] } [ <arp_log> ] [ capture session <session-id> ] }
```

Syntax Description

| | |
|------------------------|--------------------------------------|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| req_ip | Any IP protocol |
| resp_ip | Any IP protocol |
| <i>arp_request</i> | (Optional) ARP_Request |
| <i>arp_response</i> | ARP_Response |
| <i>sender1_ip_any</i> | Any |
| <i>sender1_host</i> | Host |
| <i>sender1_ip</i> | IP address <a.b.c.d> |
| <i>sender1_net_ip</i> | IP address <a.b.c.d> |
| <i>sender1_ip_mask</i> | IP mask <a.b.c.d> |
| <i>sender2_ip_any</i> | Any |
| <i>sender2_host</i> | Host |
| <i>sender2_ip</i> | IP address <a.b.c.d> |
| <i>sender2_net_ip</i> | IP address <a.b.c.d> |
| <i>sender2_ip_mask</i> | IP mask <a.b.c.d> |
| <i>target_ip_any</i> | Any |
| <i>target_host</i> | Host |
| <i>target_ip</i> | IP address <a.b.c.d> |
| <i>target_net_ip</i> | IP address <a.b.c.d> |

| | |
|-------------------------|---|
| <i>target_ip_mask</i> | IP mask <a.b.c.d> |
| <i>mac</i> | MAC configuration commands |
| <i>sender1_mac_any</i> | Any |
| <i>sender1_mac_host</i> | Host |
| <i>sender1_mac</i> | MAC address EEEE.EEEE.EEEE |
| <i>sender1_net_mac</i> | MAC address EEEE.EEEE.EEEE |
| <i>sender1_mac_mask</i> | MAC mask EEEE.EEEE.EEEE |
| <i>sender2_mac_any</i> | Any |
| <i>sender2_mac_host</i> | Host |
| <i>sender2_mac</i> | MAC address EEEE.EEEE.EEEE |
| <i>sender2_net_mac</i> | MAC address EEEE.EEEE.EEEE |
| <i>sender2_mac_mask</i> | MAC mask EEEE.EEEE.EEEE |
| <i>target_mac_any</i> | (Optional) Any |
| <i>target_mac_host</i> | (Optional) Host |
| <i>target_mac</i> | (Optional) MAC address EEEE.EEEE.EEEE |
| <i>target_net_mac</i> | (Optional) MAC address EEEE.EEEE.EEEE |
| <i>target_mac_mask</i> | (Optional) MAC mask EEEE.EEEE.EEEE |
| <i>arp_log</i> | (Optional) Log |
| <i>capture</i> | (Optional) Enable packet capture on this filter for session |
| <i>session</i> | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |

Command Mode

- /exec/configure/arpacl

no

{ [<seqno>] | no } { <addr> <wild> | <prefix> | host <hostaddr> }

Syntax Description

| | |
|--------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| host | Host address of the object-group member |

Command Mode

- /exec/configure/ipv6group

no

```
{ [ <seqno> ] | no } { <_port_op> <port0_num> | <_port_range> <port1_num> <port2_num> }
```

Syntax Description

| | |
|--------------------|--------------------------------------|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>_port_op</i> | Port operator |
| <i>_port_range</i> | Port range |
| <i>port0_num</i> | Port number |
| <i>port1_num</i> | Port number |
| <i>port2_num</i> | Port number |

Command Mode

- /exec/configure/portgroup

no

```
{ [ <seqno> ] | no } <permitdeny> { <src_any> | { <src_addr> <src_wild> } } { <dst_any> | { <dst_addr>
<dst_wild> } } [ <mac_proto> | <mac_proto_str> ] [ vlan <vlan> | cos <cos> ] + [ time-range
<time_range_name> ] [ capture session <session-id> ] { [ <macaction> <macactionid> ] } +
```

Syntax Description

| | |
|------------------------|---|
| <i>seqno</i> | (Optional) Sequence number |
| no | Negate a command or set its defaults |
| <i>permitdeny</i> | Permit/deny |
| <i>src_any</i> | Any |
| <i>src_addr</i> | Source MAC address |
| <i>src_wild</i> | Source wildcard bits |
| <i>dst_any</i> | Any |
| <i>dst_addr</i> | Destination MAC address |
| <i>dst_wild</i> | Destination wildcard bits |
| <i>mac_proto</i> | (Optional) MAC protocol number |
| <i>mac_proto_str</i> | (Optional) MAC protocol name |
| vlan | (Optional) VLAN number |
| cos | (Optional) CoS value |
| <i>vlan</i> | (Optional) VLAN number |
| <i>cos</i> | (Optional) CoS value |
| time-range | (Optional) Specify a time range |
| <i>time_range_name</i> | (Optional) Time range name |
| capture | (Optional) Enable packet capture on this filter for session |
| session | (Optional) Session ID <1-48> for this session |
| <i>session-id</i> | (Optional) Session ID <1-48> for this session |
| <i>macaction</i> | (Optional) MAC ACL Action |
| <i>macactionid</i> | (Optional) redirect: Ethernet1/1,port-channel1 |

Command Mode

- /exec/configure/macacl

no

no

Syntax Description

| | |
|----|--------------------------------------|
| no | Negate a command or set its defaults |
|----|--------------------------------------|

Command Mode

- /exec/configure/vsan-db

node

[no] node [ip <ip-addr> | IPv6 <ip-addrv6>]

Syntax Description

| | |
|----------------|--|
| no | (Optional) Negate a command or set its defaults |
| node | ITD node |
| ip | (Optional) ITD node IPv4 address |
| <i>ip-addr</i> | (Optional) ITD node IP4 prefix in format i.i.i.i |
| IPv6 | (Optional) ITD node IPv6 address |

Command Mode

- /exec/configure/itd-device-group

node

[no] node [ip <ip-addr> | IPv6 <ip-addrv6>]

Syntax Description

| | |
|----------------|--|
| no | (Optional) Negate a command or set its defaults |
| node | Catena device-group node |
| ip | (Optional) Catena device-group node IPv4 address |
| <i>ip-addr</i> | (Optional) Catena device-group node IP4 prefix in format i.i.i.i |
| IPv6 | (Optional) Catena device-group node IPv6 address |

Command Mode

- /exec/configure/catena-device-grp

node

[no] node [ip <ip-addr> | IPv6 <ip-addrv6>]

Syntax Description

| | |
|----------------|--|
| no | (Optional) Negate a command or set its defaults |
| node | ITD node |
| ip | (Optional) ITD node IPv4 address |
| <i>ip-addr</i> | (Optional) ITD node IP4 prefix in format i.i.i.i |
| IPv6 | (Optional) ITD node IPv6 address |

Command Mode

- /exec/configure/itd-session-device-group

node ip

[no] node { ip <ip-addr> | IPv6 <ip-addrv6> }

Syntax Description

| | |
|----------------|---|
| no | (Optional) Negate a command or set its defaults |
| node | Configure nodes for PLB device group |
| ip | node IPv4 address |
| <i>ip-addr</i> | IP4 prefix in format i.i.i.i |
| IPv6 | node IPv6 address |

Command Mode

- /exec/configure/plb-session-device-group

node ip

[no] node { ip <ip-addr> | IPv6 <ip-addrv6> }

Syntax Description

| | |
|----------------|---|
| no | (Optional) Negate a command or set its defaults |
| node | Configure nodes for PLB device group |
| ip | node IPv4 address |
| <i>ip-addr</i> | IP4 prefix in format i.i.i.i |
| IPv6 | node IPv6 address |

Command Mode

- /exec/configure/plb-device-group

npiv enable

[no] npiv enable

Syntax Description

| | |
|--------|---|
| no | (Optional) Negate a command or set its defaults |
| enable | Enable/Disable Nx port Id Virtualization (NPIV) |

Command Mode

- /exec/configure

npv auto-load-balance disruptive

[no] npv auto-load-balance disruptive

Syntax Description

| | |
|-------------------|--|
| no | (Optional) Negate a command or set its defaults |
| npv | Config commands for FC N_port Virtualizer |
| auto-load-balance | configure auto load balancing among preferred external links |
| disruptive | enable disruptive auto load balancing among external links |

Command Mode

- /exec/configure

npv traffic-map server-interface external-interface

[no] npv traffic-map server-interface <if1> external-interface <interface>

Syntax Description

| | |
|--------------------|--|
| no | (Optional) Negate a command or set its defaults |
| npv | Config commands for FC N_port Virtualizer |
| traffic-map | Configure NPV traffic engineering |
| server-interface | Configure server interface based traffic engineering |
| <i>if1</i> | |
| external-interface | Configure preferred external interface(s) |
| <i>interface</i> | |

Command Mode

- /exec/configure

nsf await-redist-proto-convergence

{ [no] nsf await-redist-proto-convergence }

Syntax Description

| | |
|--------------------------------|---|
| no | (Optional) Negate a command or set its defaults |
| nsf | Non-stop forwarding |
| await-redist-proto-convergence | Specify whether EIGRP should wait for other protocols to converge before advertising routes |

Command Mode

- /exec/configure/router-eigrp/router-eigrp-vrf-common /exec/configure/router-eigrp/router-eigrp-af-common

ntp access-group

[no] ntp access-group { peer | serve-only | serve | query-only } <acl-name>

Syntax Description

| | |
|-----------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| access-group | NTP access-group |
| peer | access-group peer |
| serve | access-group serve |
| serve-only | access-group serve-only |
| query-only | access-group query-only |
| <i>acl-name</i> | Name of access list |

Command Mode

- /exec/configure

ntp access-group match-all

[no] ntp access-group match-all

Syntax Description

| | |
|--------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| access-group | NTP access-group |
| match-all | Scan ACLs present in all ntp access groups |

Command Mode

- /exec/configure

ntp allow private

```
[no] ntp allow { private | control [ rate-limit <delay> ] }
```

Syntax Description

| | |
|--------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| allow | Enable/Disable the packets |
| private | Enable/Disable Private mode packets |
| control | Enable/Disable Control mode packets |
| rate-limit | (Optional) Rate-limit the control packets |
| <i>delay</i> | (Optional) Rate-limit delay (Default 3) |

Command Mode

- /exec/configure

ntp authenticate

[no] ntp authenticate

Syntax Description

| | |
|--------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| authenticate | Enable/Disable authentication |

Command Mode

- /exec/configure

ntp authentication-key md5

[no] ntp authentication-key <number> md5 <md5> [0 | 7]

Syntax Description

| | |
|--------------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| authentication-key | NTP authentication key |
| <i>number</i> | authentication key number (range 1-65535) |
| md5 | use md5 authentication scheme |
| <i>md5</i> | MD5 string |
| 0 | (Optional) clear text |
| 7 | (Optional) encrypted |

Command Mode

- /exec/configure

ntp drop-aged-packet

[no] ntp drop-aged-packet

Syntax Description

| | |
|------------------|---|
| no | (Optional) Negate a command or set its defaults |
| ntp | NTP Configuration |
| drop-aged-packet | Enable or disable Riviera Timestamp Check. |

Command Mode

- /exec/configure

ntp logging

[no] ntp logging

Syntax Description

| | |
|---------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| logging | Enable/Disable logging of NTPD Events |

Command Mode

- /exec/configure

ntp master

[no] ntp master [<stratum-no>]

Syntax Description

| | |
|-------------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| master | Act as NTP master clock |
| <i>stratum-no</i> | (Optional) Stratum number |

Command Mode

- /exec/configure

ntp passive

[no] ntp passive

Syntax Description

| | |
|---------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| passive | NTP passive command |

Command Mode

- /exec/configure

ntp peer

```
[no] ntp peer <host0> [ prefer | key <keyid> | use-vrf { <vrf-name> | <vrf-known-name> } | minpoll <minpoll>
| maxpoll <maxpoll> ] +
```

Syntax Description

| | |
|-----------------------|--|
| no | (Optional) Negate a command or set its defaults |
| ntp | NTP Configuration |
| peer | NTP Peer address |
| <i>host0</i> | Hostname/IP address of the NTP Peer |
| prefer | (Optional) Preferred Server |
| key | (Optional) Keyid to be used while communicating to this server |
| <i>keyid</i> | (Optional) Value of keyid 1-65535 |
| use-vrf | (Optional) Display per-VRF information |
| <i>vrf-name</i> | (Optional) VRF name |
| <i>vrf-known-name</i> | (Optional) Known VRF name |
| minpoll | (Optional) Minimum interval to poll a peer |
| <i>minpoll</i> | (Optional) Poll interval in secs to a power of 2 [default 4] |
| maxpoll | (Optional) Maximum interval to poll a peer |
| <i>maxpoll</i> | (Optional) Poll interval in secs to a power of 2 [default 6] |

Command Mode

- /exec/configure

ntp rts-update

[no] ntp rts-update

Syntax Description

| | |
|------------|---|
| no | (Optional) Negate a command or set its defaults |
| ntp | NTP Configuration |
| rts-update | Enable or disable RTS update to linecards. |

Command Mode

- /exec/configure

ntp server

```
[no] ntp server <host0> [ prefer | key <keyid> | use-vrf { <vrf-name> | <vrf-known-name> } | minpoll <minpoll> | maxpoll <maxpoll> ] +
```

Syntax Description

| | |
|-----------------------|--|
| no | (Optional) Negate a command or set its defaults |
| ntp | NTP Configuration |
| server | NTP server address |
| <i>host0</i> | Hostname/IP address of the NTP Server |
| prefer | (Optional) Preferred Server |
| key | (Optional) Keyid to be used while communicating to this server |
| <i>keyid</i> | (Optional) Value of keyid 1-65535 |
| use-vrf | (Optional) Display per-VRF information |
| <i>vrf-name</i> | (Optional) VRF name |
| <i>vrf-known-name</i> | (Optional) Known VRF name |
| minpoll | (Optional) Minimum interval to poll a server |
| <i>minpoll</i> | (Optional) Poll interval in secs to a power of 2 [default 4] |
| maxpoll | (Optional) Maximum interval to poll a server |
| <i>maxpoll</i> | (Optional) Poll interval in secs to a power of 2 [default 6] |

Command Mode

- /exec/configure

ntp source-interface

[no] ntp source-interface <interface>

Syntax Description

| | |
|------------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| source-interface | Source interface sending NTP packets |
| <i>interface</i> | Source interface |

Command Mode

- /exec/configure

ntp source

[no] ntp source <ip-addr>

Syntax Description

| | |
|----------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP Configuration |
| source | Source of NTP packets |
| <i>ip-addr</i> | IPv4/IPv6 address |

Command Mode

- /exec/configure

ntp sync-retry

ntp sync-retry

Syntax Description

| | |
|------------|---|
| ntp | NTP configuration |
| sync-retry | Retry synchronization with configured servers |

Command Mode

- /exec

ntp trusted-key

[no] ntp trusted-key <number>

Syntax Description

| | |
|---------------|--|
| no | (Optional) Negate a command or set its default |
| ntp | NTP configuration |
| trusted-key | NTP trusted-key |
| <i>number</i> | trusted-key number |

Command Mode

- /exec/configure

nv overlay evpn

[no] nv overlay evpn

Syntax Description

| | |
|---------|---|
| no | (Optional) Negate a command or set its defaults |
| nv | Command to enable/disable features |
| overlay | Command to enable/disable features |
| evpn | Enable/Disable Ethernet VPN (EVPN) |

Command Mode

- /exec/configure

nxapi certificate

```
{ nxapi certificate { { httpskey { keyfile <uri0> | <line> } } | { httpsCRT { certfile <uri1> | <line1> } } | { enable
} } }
```

Syntax Description

| | |
|--------------|--|
| nxapi | Configure nxapi |
| certificate | Https certificate configuration |
| httpskey | Https private key |
| httpsCRT | Https certificate |
| keyfile | Https key file |
| certfile | Https certificate file |
| enable | Enable the current certificate |
| <i>uri0</i> | File containing https private key for the user |
| <i>line</i> | nxapi https private key |
| <i>uri1</i> | File containing https certificate |
| <i>line1</i> | nxapi https certificate |

Command Mode

- /exec/configure

nxapi flow

{ [no] nxapi flow }

Syntax Description

| | |
|-------|---|
| no | (Optional) Negate a command or set its defaults |
| nxapi | Configure nxapi |
| flow | allow frontend to access /sys/flow/ |

Command Mode

- /exec/configure

nxapi http port

{ nxapi { http | https } port <s0> } | { no nxapi { http | https } } | { no nxapi { http | https } port <s0> }

Syntax Description

| | |
|-------|--|
| no | Negate a command or set its defaults |
| nxapi | Configure nxapi |
| http | Http configuration |
| https | Https configuration |
| port | Port number |
| s0 | Port number. Please do not use well-known protocol ports |

Command Mode

- /exec/configure

nxapi ssl ciphers weak

```
{ [ no ] nxapi ssl ciphers weak }
```

Syntax Description

| | |
|---------|---|
| no | (Optional) Negate a command or set its defaults |
| nxapi | Configure nxapi |
| ssl | Configure ssl parameters |
| ciphers | Configure allowed ciphers for ssl |
| weak | Allow weak ciphers |

Command Mode

- /exec/configure

nxapi ssl protocols

{ nxapi ssl protocols <prot_string> } | { no nxapi ssl protocols }

Syntax Description

| | |
|--------------------|--|
| no | Negate a command or set its defaults |
| nxapi | Configure nxapi |
| ssl | Configure ssl parameters |
| protocols | Configure allowed ssl protocols |
| <i>prot_string</i> | String of supported protocols, Ex: TLSv1 TLSv1.1 TLSv1.2 |

Command Mode

- /exec/configure

nxapi use-vrf management default

```
{ nxapi use-vrf { management | default | <vrf_name> } } | { no nxapi use-vrf { management | default | <vrf_name> } }
```

Syntax Description

| | |
|-----------------|--|
| no | Negate a command or set its defaults |
| nxapi | Configure nxapi |
| use-vrf | vrf to be used for nxapi communication |
| management | management vrf |
| default | default vrf |
| <i>vrf_name</i> | name of the vrf |

Command Mode

- /exec/configure

nxsdk enable app

[no] nxsdk enable app <app-index>

Syntax Description

| | |
|------------------|---|
| no | (Optional) Negate a command or set its defaults |
| nxsdk | NXOS SDK |
| enable | Command to enable/disable nxsdk application |
| app | Enable/disable application |
| <i>app-index</i> | Application index |

Command Mode

- /exec

nxsdk service-name

```
{ [ no ] nxsdk service-name <service-name> }
```

Syntax Description

| | |
|---------------------|---|
| nxsdk | NXOS SDK |
| service-name | Complete path and name of file to execute |
| <i>service-name</i> | Service name |

Command Mode

- /exec/configure