N Commands

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

Syntax Description

no	Negate a command or set its defaults
name	Redundancy name
redundancy-name	Name String

Command Mode

- /exec/configure/if-eth-any/glbp

name

name [<name>] | no name

Syntax Description

no	Negate a command or set its defaults
name	Redundancy name string
name	(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
name-val	Configuration name

Command Mode

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

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/itd

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 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 bandwidth nbm flow bandwidth

{ nbm flow bandwidth <i0> } | [no] nbm flow bandwidth

Syntax Description

nbm	Non Blocking Multicast
flow	Flow Characteristics
bandwidth	Bandwidth per flow
i0	Per Flow Bandwidth in Mbps

Command Mode

- /exec/configure

nbm mode controller

[no] nbm mode controller [__readonly__ <output>]

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	non blocking multicast
mode	set pmn mode
controller	enable controller-mode for pmn
__readonly__	(Optional)
output	(Optional)

Command Mode

- /exec/configure

nbm mode flow

[no] nbm mode flow

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking multicast
mode	Set NBM flow mode
flow	Flow Characteristics

Command Mode

- /exec/configure

nbm mode verbose

[no] nbm mode verbose

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	Non Blocking multicast
mode	Set NBM flow mode
verbose	Enable verbose Logs

Command Mode

- /exec/configure

nbm multicast route add

[no] nbm multicast route add

Syntax Description

nbm	NBM Commands
multicast	MULTICAST
route	Route
add	add

Command Mode

- /exec/configure

nbm multicast route delete

[no] nbm multicast route delete

Syntax Description

nbm	NBM Commands
multicast	MULTICAST
route	Route
delete	delete

Command Mode

- /exec/configure

nbm switch-role border-leaf nbm switch-role border-leaf

{ nbm switch-role border-leaf } | [no] nbm switch-role border-leaf

Syntax Description

nbm	Non Blocking Multicast
switch-role	Switch Role
border-leaf	Border Leaf

Command Mode

- /exec/configure

nbm test-rest-api secure request-type

nbm test-rest-api { secure | plain } request-type { POST | GET | PUT | DELETE }

Syntax Description

nbm	nbm
test-rest-api	Test REST API
secure	Over HTTPS
plain	Over plain HTTP
request-type	type of http request
POST	HTTP POST
GET	HTTP GET
PUT	HTTP PUT
DELETE	HTTP DELETE

Command Mode

- /exec

nbm unit-test all

nbm unit-test all

Syntax Description

nbm	nbm
unit-test	unit test
all	perform all unit tests

Command Mode

- /exec/configure

nbm vpc transport-vlan

[no] nbm vpc transport-vlan <vlan_id>

Syntax Description

no	(Optional) Negate a command or set its defaults
nbm	non blocking multicast
vpc	nbm vpc related commands
transport-vlan	configure nbm vpc transport vlan
vlan_id	vlan 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

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

[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
neighbor-id	IP address of the neighbor
remote-as	(Optional) Specify Autonomous System Number of the neighbor
asn	(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
neighbor-id	IP address of the neighbor
remote-as	(Optional) Specify Autonomous System Number of the neighbor
asn	(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
neighbor-prefix	IP prefix for neighbors
remote-as	(Optional) Specify Autonomous System Number of the neighbor
asn	(Optional) Autonomous System Number
route-map	(Optional) Route-map to match prefix peer AS number
rmap-name	(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
neighbor-prefix	IP prefix for neighbors
remote-as	(Optional) Specify Autonomous System Number of the neighbor
asn	(Optional) Autonomous System Number
route-map	(Optional) Route-map to match prefix peer AS number
rmap-name	(Optional) Route-map name

Command Mode

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

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
vrf-name	(Optional) VPN Routing/Forwarding instance name
vrf-known-name	(Optional) Known VRF name
ipaddr	IP address for LDP neighbor
implicit-withdraw	Enable LDP Implicit Withdraw Label
labels	Configure label binding exchange controls
accept	Specify label bindings to accept
pfx-list	Name of prefix list
targeted	Establish targeted session

Command Mode

- /exec/configure/ldp

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
interface	Interface
address	Neighbor address
maximum-prefix	Maximum number of IP prefixes acceptable from a neighbor
value	Number of IP prefixes for maximum-prefix limit
threshold	(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
time1	(Optional) Restart interval in minutes
restart-count	(Optional) Number of times sessions are auto-restarted
count	(Optional) Number of times
reset-time	(Optional) Duration after which restart history is cleared
time2	(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

net

[no] net <net>

Syntax Description

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

Command Mode

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

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
ip-addr	IP network to advertise
mask	Configure the mask of the IP prefix to advertise
ip-mask	Dotted 4-octet mask
ip-prefix	IP prefix in CIDR format
route-map	(Optional) Apply route-map to modify attributes
rmap-name	(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
rmap-name	(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

network

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

Syntax Description

no	(Optional) Negate a command or set its defaults
network	Enable routing on an IP network
address	Network number
mask	EIGRP wild card bits
prefix	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
ip-dest	IP addr format
ip-mask	IP network mask format
ip-prefix	Exact prefix

Command Mode

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

network area

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

Syntax Description

no	(Optional) Negate a command or set its defaults
network	Enable routing on an IP network
ip-dest	IP prefix format: i.i.i.i
ip-mask	IP network mask format: m.m.m.m
ip-prefix	IP prefix format: x.x.x.x/ml
area	Configure area properties
area-id-ip	OSPF area ID in IP address format
area-id-int	OSPF area ID as a decimal format

Command Mode

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

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
ipaddr	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
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-ipv4-label
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv4
  /exec/configure/router-bgp/router-bgp-neighbor/router-bgp-neighbor-af-vpnv6

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-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-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 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
next-hop	Destination IPv4 next hop
static-outlabel	Label Value
interface	(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
static-outlabel	Label Value
interface	(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
rmap-name	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
noncriticaldelay	Delay value (miliseconds)
criticaldelay	Delay value (miliseconds)

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-vpnv4 /exec/configure/router-bgp/router-bgp-af-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
value	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
id	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 install acl draft-pang action fwd

[no] ngoam install acl draft-pang action { fwd | drop }

Syntax Description

no	(Optional) Negate a command or set its defaults
ngoam	ngoam
install	Ngoam install
acl	Ngoam install acl
draft-pang	Ngoam install acl based on draft pang
action	Choose the action to perform
fwd	Copy and Forward the packet
drop	Copy and Drop the packet

Command Mode

- /exec/configure

ngoam probe start

ngoam probe start <hex-string>

Syntax Description

ngoam	ngoam exec command
probe	ngoam probe
start	start ngoam probe
hex-string	Specify string in hex string format: 0A1B .. starting with outer header of real draft pang probe packet

Command Mode

- /exec

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
profile-id	ngoam profile id

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

[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
seqno	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
seqno	Sequence number

Command Mode

- /exec/configure/macacl

no

[no] <seqno>

Syntax Description

no	Negate a command or set its defaults
seqno	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

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	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
ethertypeid	Configure the ethertype value
vlanid	(Optional) VLAN number
intfid	(Optional) Interface index
intfname	(Optional) Interface name
vlanpriorityid	(Optional) Vlan Priority
ip	Any IP protocol
proto	A protocol number
ip_other_proto	ip_other_proto
src_any	Any
src_addr	Source network address
src_wild	Source wildcard bits
src_prefix	Source network prefix

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

plen1	(Optional) Lower packet length
plen2	(Optional) Higher packet length
ttl	(Optional) Match Packets with a given TTL value
ttl_num	(Optional)
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
session-id	(Optional) Session ID <1-48> for this session
udf	(Optional) User defined field match
udf_name	(Optional) UDF name
udf_val	(Optional) UDF value to match
udf_mask	(Optional) Mask to apply to UDF value
action	(Optional) Action
actionid	(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

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	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
ethertypeid	Configure the ethertype value
vlanid	(Optional) VLAN number

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

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

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

session-id	(Optional) Session ID <1-48> for this session
action	(Optional) Action
actionid	(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> } + }] # 2051 ../feature/acl_mgr/cli/aclmgr.cmd [capture session <session-id>] { [<action> <actionid>] } + [log]

Syntax Description

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	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
ethertypeid	Configure the ethertype value
vlanid	(Optional) VLAN number
intfid	(Optional) Interface index
intfname	(Optional) Interface name

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

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

ttl_num	(Optional)
nve	(Optional) VNI ID <0-16777215>
vni	(Optional) VNI ID <0-16777215>
vni-id	(Optional) VNI ID <0-16777215>
udf	(Optional) User defined field match
udf_name	(Optional) UDF name
udf_val	(Optional) UDF value to match
udf_mask	(Optional) Mask to apply to UDF value
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
session-id	(Optional) Session ID <1-48> for this session
action	(Optional) Action
actionid	(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

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

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

session	(Optional) Session ID <1-48> for this session
session-id	(Optional) Session ID <1-48> for this session
action	(Optional) Action
actionid	(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

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	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
ethertypeid	Configure the ethertype value
vlanid	(Optional) VLAN number
intfid	(Optional) Interface index
intfname	(Optional) Interface name
vlanpriorityid	(Optional) Vlan Priority
proto_icmp	Protocol
src_any	Any

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

plen_op	(Optional) Packet-length operator
plen_range	(Optional) Packet-length range
plen0	(Optional) Packet length
plen1	(Optional) Lower packet length
plen2	(Optional) Higher packet length
ttl	(Optional) Match Packets with a given TTL value
ttl_num	(Optional)
icmp_type	(Optional) ICMP message type
icmp_code	(Optional) ICMP message code
icmp_str	(Optional) ICMP label
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
session-id	(Optional) Session ID <1-48> for this session
action	(Optional) Action
actionid	(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

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	Permit/deny
proto_tcp	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
udf_name	(Optional) UDF name
udf_val	(Optional) UDF value to match
udf_mask	(Optional) Mask to apply to UDF value
vlanid	(Optional) VLAN number
intfid	(Optional) Interface index
intfname	(Optional) Interface name
vlanpriorityid	(Optional) Vlan Priority
src_any	Any
src_key_host	A single source host

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

flow-label	(Optional) Flow label
flow_num	(Optional) Flow label value
fragments	(Optional) Check non-initial fragments
log	(Optional) Log matches against this entry
time-range	(Optional) Specify a time range
time_range_name	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
plen_op	(Optional) Packet-length operator
plen_range	(Optional) Packet-length range
plen0	(Optional) Packet length
plen1	(Optional) Lower packet length
plen2	(Optional) Higher packet length
tcp-flags-mask	Specify TCP Flags
tcp_flags_mask	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
session-id	(Optional) Session ID <1-48> for this session
actionv6	(Optional) ActionV6
actionidv6	(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_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

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	Permit/deny
proto_udp	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
udf_name	(Optional) UDF name
udf_val	(Optional) UDF value to match
udf_mask	(Optional) Mask to apply to UDF value
vlanid	(Optional) VLAN number
intfid	(Optional) Interface index
intfname	(Optional) Interface name
vlanpriorityid	(Optional) Vlan Priority
src_any	Any
src_key_host	A single source host

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

flow-label	(Optional) Flow label
flow_num	(Optional) Flow label value
fragments	(Optional) Check non-initial fragments
log	(Optional) Log matches against this entry
time-range	(Optional) Specify a time range
time_range_name	(Optional) Time range name
packet-length	(Optional) Match packets based on layer 3 packet length
plen_op	(Optional) Packet-length operator
plen_range	(Optional) Packet-length range
plen0	(Optional) Packet length
plen1	(Optional) Lower packet length
plen2	(Optional) Higher packet length
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
session-id	(Optional) Session ID <1-48> for this session
nve	(Optional) VNI ID <0-16777215>
vni	(Optional) VNI ID <0-16777215>
vni-id	(Optional) VNI ID <0-16777215>
actionv6	(Optional) ActionV6
actionidv6	(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

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	Permit/deny
proto_sctp	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
udf_name	(Optional) UDF name
udf_val	(Optional) UDF value to match
udf_mask	(Optional) Mask to apply to UDF value
vlanid	(Optional) VLAN number
intfid	(Optional) Interface index
intfname	(Optional) Interface name
vlanpriorityid	(Optional) Vlan Priority
src_any	Any
src_key_host	A single source host

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

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

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	Permit/deny
proto_icmpv6	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
udf_name	(Optional) UDF name
udf_val	(Optional) UDF value to match
udf_mask	(Optional) Mask to apply to UDF value
vlanid	(Optional) VLAN number
intfid	(Optional) Interface index
intfname	(Optional) Interface name
vlanpriorityid	(Optional) Vlan Priority
src_any	Any
src_key_host	A single source host
src_key_addrgrp	Source address group

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

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

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

Command Mode

- /exec/configure/arpacl

no

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

Syntax Description

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

Command Mode

- /exec/configure/ipgroup

no

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

Syntax Description

seqno	(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

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
_port_op	Port operator
_port_range	Port range
port0_num	Port number
port1_num	Port number
port2_num	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

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

Command Mode

- /exec/configure/macacl

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
ip-addr	(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
ip-addr	(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

[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
ip-addr	(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 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
ip-addr	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
ip-addr	IP4 prefix in format i.i.i.i
IPv6	node IPv6 address

Command Mode

- /exec/configure/plb-device-group

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
acl-name	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
delay	(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
number	authentication key number (range 1-65535)
md5	use md5 authentication scheme
md5	MD5 string
0	(Optional) clear text
7	(Optional) encrypted

Command Mode

- /exec/configure

ntp clear internal buffer

ntp clear internal buffer

Syntax Description

ntp	NTP configuration
clear	clear
internal	internal
buffer	debug message buffer

Command Mode

- /exec

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 enable ntpd-logfile debug-level

[no] ntp enable ntpd-logfile debug-level <level>

Syntax Description

no	(Optional) Negate a command or set its default
ntp	NTP configuration
enable	Enable logging
ntpd-logfile	NTP daemon logs
debug-level	debug level of logs
level	debug level of logs

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
stratum-no	(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
host0	Hostname/IP address of the NTP Peer
prefer	(Optional) Preferred Server
key	(Optional) Keyid to be used while communicating to this server
keyid	(Optional) Value of keyid 1-65535
use-vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
minpoll	(Optional) Minimum interval to poll a peer
minpoll	(Optional) Poll interval in secs to a power of 2 [default 4]
maxpoll	(Optional) Maximum interval to poll a peer
maxpoll	(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
host0	Hostname/IP address of the NTP Server
prefer	(Optional) Preferred Server
key	(Optional) Keyid to be used while communicating to this server
keyid	(Optional) Value of keyid 1-65535
use-vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
minpoll	(Optional) Minimum interval to poll a server
minpoll	(Optional) Poll interval in secs to a power of 2 [default 4]
maxpoll	(Optional) Maximum interval to poll a server
maxpoll	(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
interface	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
ip-addr	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
number	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

nve enable history

[no] nve enable history { all | vni | peer | port }

Syntax Description

no	(Optional) Negate a command or set its defaults
nve	Display NVE information
enable	enable knob for all, vni, port and peer history
history	history for vni|port|peer
all	
vni	
peer	
port	

Command Mode

- /exec/configure

nve event-history size

nve event-history { <buffer-name> } size { <size_in_text> | <size_in_bytes> }

Syntax Description

nve	Display NVE information
event-history	Configure the event-history buffers
buffer-name	Event history buffer whose size is to be configured
size	Configure the buffer sizes
size_in_text	Size of event history buffer
size_in_bytes	Size in bytes in the renage 1-5000000

Command Mode

- /exec/configure

nve interface remap-replication-servers

nve interface <nve-if> remap-replication-servers

Syntax Description

nve	Configure NVE information
interface	Interface
nve-if	NVE interface
remap-replication-servers	Remap Replication servers to VNIs

Command Mode

- /exec

nve interface replication-server up

nve interface <nve-if> replication-server <rep-addr> { up | down }

Syntax Description

nve	Configure NVE information
interface	Interface
nve-if	NVE interface
replication-server	Configure a replication server
rep-addr	Replication Server IP Address
up	mark replication-server up
down	mark replication-server down

Command Mode

- /exec

nve oam mode draft-pang

[no] nve oam mode draft-pang

Syntax Description

no	(Optional) Negate a command or set its defaults
nve	VxLAN functionality
oam	VxLAN OAM functionality
mode	Choose operation mode for OAM
draft-pang	OAM implementation as per Draft Pang

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
uri0	File containing https private key for the user
line	nxapi https private key
uri1	File containing https certificate
line1	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
s0	Port number. Please do not use well-known protocol ports
http	Http configuration
https	Https configuration
port	Port number

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
vrf_name	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
app-index	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
service-name	Service name

Command Mode

- /exec/configure