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packet

{ packet <hex-string> } | { no packet }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
packet	Provide flow details starting with ethernet header in hex-string format: 0A1B ..
hex-string	Specify flow and payload in hex string format: 0A1B..

Command Mode

- /exec/configure/configngoamprofileflow

param-list

[no] param-list <plistname>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
param-list	Configure a parameter list
plistname	Enter the name of the parameter list

Command Mode

- /exec/configure

parity

[no] parity { even | none | odd }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
parity	Set terminal parity
even	Even parity
none	No parity
odd	Odd parity

Command Mode

- /exec/configure/com1

parity

[no] parity { even | none | odd }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
parity	Set terminal parity
even	Even parity
none	No parity
odd	Odd parity

Command Mode

- /exec/configure/console

passive-interface default

[no] passive-interface default

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

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

passive-interface default

[no] passive-interface default

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

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

passive-interface default

[no] passive-interface default <level>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress IS-IS PDU
default	Undo a command
level	IS-IS level

Command Mode

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

passive-interface default

[no] passive-interface default

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
passive-interface	Suppress routing updates on the interface
default	interfaces passive by default

Command Mode

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

password

password <password-string> | { no | default } password [<password-string>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
password	Configure a password for neighbor
password-string	Neighbor password

Command Mode

- /exec/configure/router-bgp/router-bgp-template-neighbor /exec/configure/router-bgp/router-bgp-neighbor-stmp /exec/configure/router-bgp/router-bgp-neighbor /exec/configure/router-bgp/router-bgp-vrf-neighbor /exec/configure/router-bgp/router-bgp-prefixneighbor /exec/configure/router-bgp/router-bgp-vrf-prefixneighbor

password

password [vrf { <vrf-name> | <vrf-known-name> }] { required [req-for <req-pfx-list>] | { fallback | option <seq-num> opt-for <opt-pfx-list> } { key-chain <name> } } | no password [vrf { <vrf-name> | <vrf-known-name> }] { required | fallback | option <seq-num> }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
password	Configure LDP password
vrf	(Optional) VRF Routing/Forwarding instance information
vrf-name	(Optional) VPN Routing/Forwarding instance name
vrf-known-name	(Optional) Known VRF name
required	Password is required for the peer
req-for	(Optional) Prefix list specifying control on LDP peers
req-pfx-list	(Optional) Prefix list for LDP peers
fallback	Specifies a fallback password will follow
option	LDP password option
seq-num	Sequence number of the LDP password option
opt-for	Prefix list specifying control on LDP peers
opt-pfx-list	Prefix list for LDP peers
key-chain	Specifies a key-chain name will follow
name	Key-chain name

Command Mode

- /exec/configure/ldp

password

{ [no] password <passwd> }

Syntax Description

Syntax Description

password	password
passwd	password

Command Mode

- /exec/configure/dot1x-cred

password prompt username

[no] password prompt username

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
prompt	Enable prompt for password
username	Enable prompt for password on username command

Command Mode

- /exec/configure

password secure-mode

[no] password secure-mode

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
secure-mode	Enable secure mode for changing password

Command Mode

- /exec/configure

password strength-check

[no] password strength-check

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
password	Password for the user
strength-check	Strength check of password

Command Mode

- /exec/configure

path-option dynamic explicit identifier

[no] path-option [protect] <pref> | path-option <pref> dynamic [attributes <attr-name> | { bandwidth <kbps> | lockdown } +] | path-option [protect] <pref> explicit { identifier <id-num> | name <name> } [{ attributes <attr-name> [verbatim] | { bandwidth <kbps> | lockdown | verbatim } + }]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
path-option	a primary or fallback path setup option
protect	(Optional) a path protection setup option
pref	preference for this path option
dynamic	setup based on dynamically calculated path
explicit	setup based on preconfigured path
identifier	Specify an IP explicit path by number
id-num	Number of ip explicit path
name	Specify an IP explicit path by name
name	Name of ip explicit path
attributes	(Optional) Specify an LSP attribute list
attr-name	(Optional) Name of LSP attribute list
verbatim	(Optional) send out path as is, with no checking
bandwidth	(Optional) override the bandwidth configured on the tunnel
kbps	(Optional) bandwidth requirement in kbps
lockdown	(Optional) not a candidate for reoptimization
kbps	(Optional) bandwidth requirement in kbps
lockdown	(Optional) not a candidate for reoptimization

Command Mode

- /exec/configure/if-te /exec/configure/tunnel-te/cbts-member

path-selection metric igp

path-selection metric { igp | te } | no path-selection metric

Syntax Description

Syntax Description

no	Negate a command or set its defaults
path-selection	Path Selection Configuration
metric	Metric Type Configuration
igp	Use IGP metric
te	Use TE metric (*Default)

Command Mode

- /exec/configure/te

path-selection metric igp

[no] path-selection metric | path-selection metric { igp | te }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
path-selection	Path Selection Configuration
metric	Metric type for path calculation
igp	Use IGP Metric
te	Use TE Metric

Command Mode

- /exec/configure/if-te /exec/configure/tunnel-te/cbts-member

path-selection overload allow

[no] path-selection overload allow | path-selection overload allow { head [middle] [tail] | middle [tail] | tail }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
path-selection	Path Selection Configuration
overload	Overload Node Configuration
allow	Allow overloaded nodes in CSPFs
head	Allow overloaded head node in TE CSPF
middle	(Optional) Allow overloaded middle node in TE CSPF
tail	(Optional) Allow overloaded tail node in TE CSPF

Command Mode

- /exec/configure/te

path depth

[no] path <dn> depth <level> [filter-condition <filter>]

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
path	Create a sensor path
depth	Specify a retrieval depth
filter-condition	(Optional) Specify a filter condition
dn	Distinguished Name
level	Retrieval depth (0)
filter	(Optional) Filter Condition

Command Mode

- /exec/configure/telemetry/sensor-group

path next-hop out-label-stack

{ no path <path-num> | path <path-num> next-hop <next-hop> out-label-stack { <static-outlabel> + | implicit-null } }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
path	Configure an outgoing path for the LSP
path-num	Path identifier
next-hop	Nexthop
next-hop	Destination IPv4 next hop
out-label-stack	Series of output labels
static-outlabel	Label Value
implicit-null	IETF MPLS implicit null label (3)

Command Mode

- /exec/configure/mpls_static/ipv4/lsp/inlabel/forw

pathtrace nve

pathtrace nve { { { { ip { <numeric10> | unknown } } [vrf { <vrf-name> | <vrf-known-name> } | { <dot1qid1> }] } | mac <dmac> <dot1qid> <intfid> } [profile <pid>] [payload { [mac-addr <dstmac> <smac>] [dot1q <dot1q-id>] [ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6>] [port <sport> <dport>] [proto <proto-id>] [src-intf <src_if>] } payload-end] [copy-to <copy-to-ip> [ext-id <ext_id>]] [

Syntax Description

Syntax Description

pathtrace	Test
nve	network virtualization edge
numeric10	Peer vtep ip address
unknown	Peer vtep ip is unknown, will be derived from payload
intfid	Name of the interface for ngoam pathtrace on which dot1q is configured
payload	(Optional) Enter customer payload
mac-addr	(Optional) Mac
dstmac	(Optional) Destination mac address
smac	(Optional) Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
dot1q-id	(Optional) Encapsulation dot1q/bd on which the mac is learnt
ip	ip address
dstip	(Optional) Destination ipv4 address
srcip	(Optional) source ipv4 address
ipv6	(Optional) ipv6 address
port	(Optional) L4 port info
sport	(Optional) Source port
dport	(Optional) Destination port
proto	(Optional) Protocol
proto-id	(Optional) IANA Protocol id
src-intf	(Optional) Interface on which the host with src ip of the payload is connected
src_if	(Optional) Interface
payload-end	(Optional) End payload info input

profile	(Optional) NGOAM profile to use
pid	(Optional) NGOAM profile id
mac	Mac
dmac	Destination mac address
dot1qid	Encapsulation dot1q/bd on which the mac is learnt
dot1qid1	(Optional) Encapsulation dot1q/bd on which the mac is learnt
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
copy-to	(Optional) Send responses to this IP over mgmt vrf instead
copy-to-ip	(Optional) IpV4 addr to send responses to
ext-id	(Optional) Identifier passed from caller
ext_id	(Optional) 32-bit identifier

Command Mode

- /exec

pause

[no] pause { buffer-size <size-in-bytes> pause-threshold <xoff-bytes> resume-threshold <xon-bytes> }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
buffer-size	Ingress buffer size in bytes
pause-threshold	Buffer limit for pausing in bytes
resume-threshold	Buffer limit at which to resume in bytes

Command Mode

- /exec/configure/policy-map/type/queuing/class

pause

[no] pause { no-drop | { delayed-drop <timeout> } | { [buffer-size <size-in-bytes> pause-threshold <xoff-bytes> resume-threshold <xon-bytes>] pfc-cos <pfc-cos-list> } }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE charecteristics (CBFC)
no-drop	NO-DROP
delayed-drop	Enable delayed-drop for the CoS
timeout	Timer value for delayed drop
buffer-size	(Optional) Ingress buffer size in bytes
pause-threshold	(Optional) Buffer limit for pausing in bytes
resume-threshold	(Optional) Buffer limit at which to resume in bytes
pfc-cos	CoS values to assert PFC on
pfc-cos-list	List of class-of-service values

Command Mode

- /exec/configure/policy-map/type/uf/class

pause buffer-size2 pause-threshold2 resume-threshold2

[no] pause buffer-size2 <size-in-bytes> pause-threshold2 <xoff-bytes> resume-threshold2 <xon-bytes>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
buffer-size2	Ingress buffer size in bytes
pause-threshold2	Buffer limit for pausing in bytes
resume-threshold2	Buffer limit at which to resume in bytes

Command Mode

- /exec/configure/policy-map/type/queuing/class

pause priority

[no] pause { priority-group <priority-group-number> }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
pause	PAUSE characteristics (CBFC)
priority-group	ingress priority-group to which the traffic is mapped and pause limits are applied
priority-group-number	Priority group value

Command Mode

- /exec/configure/policy-map/type/queuing/class

payload test pattern-type pad

{ payload { test pattern-type <test-id> | pad <pad-val> } } | { no payload { test pattern-type | pad } }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
payload	Configure ngoam payload
test	Configure ngoam payload test
pattern-type	Configure ngoam payload test pattern
test-id	Configure ngoam payload test pattern id
pad	Configure ngoam payload test pattern pad
pad-val	Configure ngoam payload test pad value

Command Mode

- /exec/configure/configngoamprofile

peer-gateway

peer-gateway [exclude-vlan <vlan-list>] | no peer-gateway

Syntax Description

Syntax Description

no	Negate a command or set its defaults
peer-gateway	Enable L3 forwarding for packets destined to peer's gateway mac-address
exclude-vlan	(Optional) Specify VLANs to be excluded from peer-gateway functionality
vlan-list	(Optional) Specify the list of vlans

Command Mode

- /exec/configure/vpc-domain

peer-ip

[no] peer-ip <addr>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-ip	Static IP Address Configuration
addr	Remote Peer IP Address

Command Mode

- /exec/configure/if-nve/vni/ingr-rep

peer-keepalive destination

peer-keepalive destination <dst-ip> [[source <src-ip> | udp-port <udp-port-num> | vrf { <vrf-name> | <vrf-known-name> } | { interval <interval-ms> timeout <time-out> } | tos-byte <tos-byte-value> | hold-timeout <hold-time-out>] + | [source <src-ip> | udp-port <udp-port-num> | vrf { <vrf-name> | <vrf-known-name> } | { interval <interval-ms> timeout <time-out> } | tos { <tos-value> | min-delay | max-throughput | max-reliability | min-monetary-cost | normal } | hold-timeout <hold-time-out>] + | [source <src-ip> | udp-port <udp-port-num> | vrf { <vrf-name> | <vrf-known-name> } | { interval <interval-ms> timeout <time-out> } | precedence { <prec-vlaue> | network | internet | critical | flash-override | flash | immediate | priority | routine } | hold-timeout <hold-time-out>] +]

Syntax Description

Syntax Description

peer-keepalive	Keepalive/Hello with peer switch
destination	specify destination ip address of peer switch
dst-ip	IPv4 address (A.B.C.D) of destination
source	(Optional) source interface for hello
src-ip	(Optional) IPv4 address (A.B.C.D) of source
udp-port	(Optional) enter UDP port number used for hello
udp-port-num	(Optional) udp port number for hellos
vrf	(Optional) vrf to be used for hello messages
vrf-name	(Optional) vrf to be used for hellos
vrf-known-name	(Optional) Known VRF name
interval	(Optional) enter interval in milleseconds
interval-ms	(Optional) Enter interval in milleseconds
timeout	(Optional) enter timeout in seconds
time-out	(Optional) enter timeout in seconds
precedence	(Optional) Precedence
prec-vlaue	(Optional) Precedence value
network	(Optional) network (7)
internet	(Optional) internet (6)
critical	(Optional) critical (5)
flash-override	(Optional) flash-override (4)
flash	(Optional) flash (3)

immediate	(Optional) immediate (2)
priority	(Optional) priority (1)
routine	(Optional) routine (0)
tos	(Optional) Type of Service
tos-value	(Optional) Enter 4-bit TOS value
min-delay	(Optional) min-delay (8)
max-throughput	(Optional) max-throughput (4)
max-reliability	(Optional) max-reliability (2)
min-monetary-cost	(Optional) min-monetary-cost (1)
normal	(Optional) normal (0)
tos-byte	(Optional) Type of Service Byte
tos-byte-value	(Optional) Enter 8-bit TOS value
hold-timeout	(Optional) hold timeout to ignore stale peer alive messages
hold-time-out	(Optional) Enter hold-timeout in seconds

Command Mode

- /exec/configure/vpc-domain

peer-switch

[no] peer-switch

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-switch	Enable peer switch on vPC pair switches

Command Mode

- /exec/configure/vpc-domain

peer-type fabric

peer-type { fabric-external | fabric-border-leaf } | { no | default } peer-type

Syntax Description

Syntax Description

no	Negate a command or set its defaults
default	Inherit values from a peer template
peer-type	Neighbor facing
fabric-external	Fabric external
fabric-border-leaf	Fabric Border Leaf

Command Mode

- /exec/configure/router-bgp/router-bgp-neighbor-sess

peer-vtep

[no] peer-vtep <addr>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
peer-vtep	Configure tunnel End Point
addr	Remote VTEP IP Address

Command Mode

- /exec/configure/if-nve/vni

peer ip

[no] peer ip <ip-addr>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
peer	ITD peer
ip	ITD peer ip
ip-addr	NICE node IP prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-inout

peer ip

[no] peer ip <ip-addr>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
peer	ITD peer
ip	ITD peer ip
ip-addr	NICE node IP prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-inout

peer local service

[no] peer local service <service-name>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
peer	Peer cli for sandwich mode failure notification
local	Peer involved in sandwich mode
service	Peer service involved in sandwich mode
service-name	Peer service name string

Command Mode

- /exec/configure/itd

peer vdc service

[no] peer vdc <vdc-id> service <service-name>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
peer	Peer cli for sandwich mode failure notification
vdc	Peer VDC involved in sandwich mode
service	Peer service involved in sandwich mode
vdc-id	VDC name of peer VDC
service-name	Peer service name string

Command Mode

- /exec/configure/itd

peer vdc service

[no] peer vdc <vdc-id> service <service-name>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
peer	Peer cli for sandwich mode failure notification
vdc	Peer VDC involved in sandwich mode
service	Peer service involved in sandwich mode
vdc-id	VDC name of peer VDC
service-name	Peer service name string

Command Mode

- /exec/configure/itd

perf

perf [{ record { context-switch | profile } { system | process <i0> } [<s1>] } | { stop { all | <s0> } } | { list } | { create-archive <s2> } | { remove { all | <s3> } }]

Syntax Description

Syntax Description

perf	Run perf tool to collect or process event data
record	(Optional) Record events to a file for later analysis
stop	(Optional) Stop a perf record.
list	(Optional) List recorded datasets
create-archive	(Optional) Create an archive of dataset for download
remove	(Optional) Remove recorded dataset(s)
all	(Optional) Act on all recorded datasets
context-switch	(Optional) Record context-switch events
profile	(Optional) Record periodic runtime samples
system	(Optional) Record events for all processes on all CPUS
process	(Optional) Record events for a specific process with the given pid
i0	(Optional) pid of process to record events
s0	(Optional) id of perf record session to stop
s1	(Optional) id to use for perf record session
s2	(Optional) id of perf dataset to create an archive
s3	(Optional) id of perf dataset to remove

Command Mode

- /exec

periodic-inventory notification

[no] periodic-inventory notification

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
periodic-inventory	Configure periodic software inventory message dispatch
notification	Enable periodic software inventory message dispatch

Command Mode

- /exec/configure/callhome

periodic-inventory notification interval

periodic-inventory notification { interval <i0> | timeofday <s0> }

Syntax Description

Syntax Description

periodic-inventory	Configure periodic software inventory message dispatch
notification	Enable periodic software inventory message dispatch
interval	Configure the time period for periodic inventory
i0	Time period in days (default is 7 days)
timeofday	Configure the timeofday for periodic inventory in HH:MM format
s0	Time period in HH:MM format

Command Mode

- /exec/configure/callhome

periodic to

{ [<seqno>] | no } periodic { { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday } + | daily | weekdays | weekend } <stime> to <etime>

Syntax Description

Syntax Description

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
periodic	Periodic time and date
Monday	Monday
Tuesday	Tuesday
Wednesday	Wednesday
Thursday	Thursday
Friday	Friday
Saturday	Saturday
Sunday	Sunday
daily	Every day of the week
weekdays	Monday thru Friday
weekend	Saturday and Sunday
stime	Starting time
to	Ending day and time
etime	Ending time

Command Mode

- /exec/configure/timerange

periodic to

{ [<seqno>] | no } periodic { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday } <stime> to { <eday> } <etime>

Syntax Description

Syntax Description

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
periodic	Periodic time and date
Monday	Monday
Tuesday	Tuesday
Wednesday	Wednesday
Thursday	Thursday
Friday	Friday
Saturday	Saturday
Sunday	Sunday
eday	Day of the week
stime	Starting time
to	Ending day and time
etime	Ending time

Command Mode

- /exec/configure/timerange

permit | deny

{ [<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> } + } } { [<action> <actionid>] } + [log]

Syntax Description

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

permit | deny

{ [<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

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

permit | deny

{ [<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> } + }] # 2007 ../feature/acl_mgr/cli/aclmgr.cmd [capture session <session-id>] { [<action> <actionid>] } + [log]

Syntax Description

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

permit | deny

{ [<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

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

permit | deny

{ [<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

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

permit | deny

{ [<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> }] } + } } [capture session <session-id>] { [<actionv6> <actionidv6>] }

Syntax Description

Syntax Description

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	Permit/deny
proto_tcp	Protocol
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

permit | deny

{ [<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> }] } + } } [nve vni <vni-id>] [capture session <session-id>] { [<actionv6> <actionidv6>] }

Syntax Description

Syntax Description

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	Permit/deny
proto_udp	Protocol
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

permit | deny

{ [<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> }] } + } [capture session <session-id>] }

Syntax Description

Syntax Description

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	Permit/deny
proto_sctp	Protocol
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

permit | deny

{ [<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> }] } + } [capture session <session-id>] { [<actionv6> <actionidv6>] } }

Syntax Description

Syntax Description

seqno	(Optional) Sequence number
no	Negate a command or set its defaults
permitdeny	Permit/deny
proto_icmpv6	Protocol
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

permit | deny

{ { [<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

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

permit | deny

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

Syntax Description

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

permit | deny

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

Syntax Description

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

permit | deny

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

Syntax Description

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

permit | deny

{ [<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

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

permit interface

[no] permit interface <if0>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to interfaces (applicable if interface policy is 'deny')
interface	Enter the range of interfaces accessible the role
if0	Enter the interface range

Command Mode

- /exec/configure/role/interface

permit vlan

[no] permit vlan <vlan-mrange>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vlans (applicable if vlan policy is 'deny')
vlan	Enter the range of vlans accessible the role
vlan-mrange	Enter the vlan range

Command Mode

- /exec/configure/role/vlan

permit vrf

[no] permit vrf <vrf-name>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vrf (applicable if vrf policy is 'deny')
vrf	Enter the range of vrf accessible the role
vrf-name	Enter the vrf name

Command Mode

- /exec/configure/role/vrf

permit vsan

[no] permit vsan <vsan-mrange>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
permit	Permit access to vsans (applicable if vsan policy is 'deny')
vsan	Enter the range of vsans accessible the role
vsan-mrange	Enter the vsan range

Command Mode

- /exec/configure/role/vsan

personality

[no] personality

Syntax Description

Syntax Description

no	(Optional) Negate a mode
personality	Config Personality

Command Mode

- /exec/configure

personality backup

personality backup { <uri_local> | <uri_remote> [password <password>] [vrf <vrf-known-name>] }

Syntax Description

Syntax Description

personality	personality
backup	backup personality
password	(Optional) The password for personality backups
vrf	(Optional) The VRF for personality backups
uri_local	Personality backup local destination
uri_remote	Personality backup remote destination
password	(Optional) Password for SCP username
vrf-known-name	(Optional) VRF name

Command Mode

- /exec

personality restore

personality restore <uri> [user-name <user>] [password <password>] [hostname <hostname>] [vrf <vrf_name>]

Syntax Description

Syntax Description

personality	Personality
restore	Restore the personality file
uri	Personality file
user-name	(Optional) The username for downloads
user	(Optional) The username
password	(Optional) The password for downloads
password	(Optional) The password
hostname	(Optional) The hostname for downloads
hostname	(Optional) The hostname
vrf	(Optional) The VRF for downloads
vrf_name	(Optional) The VRF name

Command Mode

- /exec

phone-contact

{ phone-contact <s0> | no phone-contact }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
phone-contact	Contact person's phone number
s0	Phone number in international format(such as +1-800-123-4567)

Command Mode

- /exec/configure/callhome

ping

ping [{ { <alpha> | <numeric> [loopback interface <interface>] } | { multicast <group> interface <interface> [loopback] } } [[source-interface <src-intf> | vrf { <vrf-name> | <vrf-known-name> }] [count { <count> | unlimited } | packet-size <packetsize> | vrf { <vrf-name> | <vrf-known-name> } | interval <interval> | source { <alpha> | <numeric1> } | df-bit | timeout <timeout>] + | [count { <count> | unlimited } | packet-size <packetsize> | source-interface <src-intf> | interval <interval> | df-bit | timeout <timeout>] +]]

Syntax Description

Syntax Description

ping	Test
count	(Optional) Number
unlimited	(Optional) Unlimited
count	(Optional) Number
packet-size	(Optional) Packet
packetsize	(Optional) Size
source-interface	(Optional) Select source interface
src-intf	(Optional) Specify interface
interval	(Optional) Wait
interval	(Optional) Interval
numeric	(Optional) IP address of remote system
numeric1	(Optional) IP
alpha	(Optional) Enter
multicast	(Optional) Multicast
group	(Optional) Multicast
interface	(Optional) Interface
interface	(Optional) Interface
loopback	(Optional) Receive
source	(Optional) Source
df-bit	(Optional) Enable
timeout	(Optional) Specify
timeout	(Optional) Timeout

vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

ping6

ping6 { { <host> | <hostname> } | { multicast <group> } } [[{ count { <count> | unlimited } } | { packet-size <packetsize> } | [source { <host1> | <hostname> }] | vrf { <vrf-name> | <vrf-known-name> } | timeout <timeout> | { interval <interval> }] + | [{ count { <count> | unlimited } } | { packet-size <packetsize> } | { source-interface <src-intf> } | timeout <timeout> | { interval <interval> }] +]

Syntax Description

Syntax Description

ping6	Test
count	(Optional) Number
count	(Optional) Number
unlimited	(Optional) unlimited
packet-size	(Optional) Packet
packetsize	(Optional) Size
source-interface	(Optional) Select source interface
src-intf	(Optional) Specify interface
interval	(Optional) Wait
interval	(Optional) Interval
hostname	Enter
multicast	Multicast
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
source	(Optional) Source
timeout	(Optional) Specify
timeout	(Optional) Timeout

Command Mode

- /exec

ping nve

ping nve { { { { { ip { <numeric10> | <numeric11> | unknown } } [vrf { <vrf-name> | <vrf-known-name> } | { <dot1qid1> }] } | mac <dmac> <dot1qid> <intfid> } [profile <pid>] } [payload { [mac-addr <dstmac> <smac>] [dot1q <dot1q-id>] [ip <dstip> <srcip> | ipv6 <dstipv6> <srcipv6>] [port <sport> <dport>] [proto <proto-id>] [src-intf <src_if>] } payload-end] [source { <numeric1> | <numeric2> } |

Syntax Description

Syntax Description

{	<count>
ping	Test
nve	network virtualization edge
numeric10	Ipv4 address of remote host / VTEP
unknown	Peer vtep ip is unknown, Applicable only for channel Nv03
dot1qid	Encapsulation dot1q/bd on which the mac is learnt
intfid	Name of the interface for ngoam ping on which dot1q is configured
payload	(Optional) Enter customer payload
port	(Optional) L4 port info
sport	(Optional) Source port
dport	(Optional) Destination port
proto	(Optional) Protocol
proto-id	(Optional) IANA Protocol id
src-intf	(Optional) Interface on which the host with src ip of the payload is connected
src_if	(Optional) Interface
payload-end	(Optional) End of payload info
profile	(Optional) NGOAM profile to use
pid	(Optional) NGOAM profile id
mac	Mac
mac-addr	(Optional) Mac
ip	ip address
dstip	(Optional) Destination ipv4 address
srcip	(Optional) source ipv4 address

ipv6	(Optional) ipv6 address
dmac	Destination mac address
dstmac	(Optional) Destination mac address
smac	(Optional) Source mac address
dot1q	(Optional) Encapsulation dot1q/bd
dot1q-id	(Optional) Encapsulation dot1q/bd on which the mac is learnt
dot1qid1	(Optional) Encapsulation dot1q/bd on which the mac is learnt
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
source	(Optional) Source
numeric1	(Optional) IP

Command Mode

- /exec

pktmgr cache disable

{ [no] pktmgr cache disable }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
pktmgr	packet manager
cache	Disable cache
disable	Disable cache

Command Mode

- /exec/configure

pktmgr discard

{ [no] pktmgr discard [type <type>] [direction <direction>] [detail] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
pktmgr	packet manager
discard	discard CPI-bound output packets
detail	(Optional) detailed discard info
direction	(Optional) pm debug-filter direction
direction	(Optional) pm direction
type	(Optional) Driver type
type	(Optional) Driver type

Command Mode

- /exec

pktmgr internal event-history size

[no] pktmgr internal event-history { errors | control | log | ha | pkt-errors | pkt-buffer } size { <size_in_text> | <size_in_Kbytes> }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
internal	Commands for internal use
pktmgr	Display Packet Manager information
event-history	various event logs of Pktmgr
errors	error logs of Pktmgr
control	control message of Pktmgr
log	syslog message of Pktmgr
ha	ha debug message of Pktmgr
pkt-errors	pkt error message of Pktmgr
pkt-buffer	pkt buffers message of Pktmgr
size	Configure the size of the event-hist buffer
size_in_text	Buffer size
size_in_Kbytes	Size of the file in kbytes

Command Mode

- /exec

pktmgr internal mts-queue

{ pktmgr internal mts-queue <size> } | { no pktmgr internal mts-queue }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
pktmgr	Display Packet Manager information
internal	Commands for internal use
mts-queue	mts-queue
size	Size for pktmgr data sap qlimit

Command Mode

- /exec/configure

pktmgr internal span-drop enable

[no] pktmgr internal span-drop { enable | disable }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
pktmgr	Display Packet Manager information
internal	Commands for internal use
span-drop	Enable/Disable span to sup packet drops
enable	Enable span to sup packet drops
disable	Dsiable span to sup packet drops

Command Mode

- /exec

pktmgr internal span-drop enable

[no] pktmgr internal span-drop { enable | disable }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
pktmgr	Display Packet Manager information
internal	Commands for internal use
span-drop	Enable/Disable span to sup packet drops
enable	Enable span to sup packet drops
disable	Dsiable span to sup packet drops

Command Mode

- /exec

platform access-list capture

[no] { platform | hardware } access-list capture

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
access-list	Access Control List
capture	Configure ACL capture

Command Mode

- /exec/configure

platform access-list fp_dnl

[no] { platform | hardware } access-list fp_dnl

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
access-list	Access control list
fp_dnl	Fabric path - do not learn mac from broadcast

Command Mode

- /exec/configure

platform access-list update

[no] { platform | hardware } access-list update { { atomic [strict] } | { default-result permit } }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
access-list	Access Control List
update	Configure atomic/non-atomic update and default-result
atomic	Enable atomic update of access-list in hardware
strict	(Optional) Strict check on TCAM size for using mutliple features
default-result	Default access-list result during non-atomic hardware update
permit	Permit all packets during non-atomic update

Command Mode

- /exec/configure

platform fabricpath mac-learning module

[no] { platform | hardware } fabricpath mac-learning module <module> [port-group { 1-4 | 5-8 | 9-12 | 13-16 | 17-20 | 21-24 | 25-28 | 29-32 | 33-36 | 37-40 | 41-44 | 45-48 } +]

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
fabricpath	Fabric Path
mac-learning	MAC Learning
module	Specify a module number
module	Specify a module number
port-group	(Optional) Port Group

Command Mode

- /exec/configure

platform forwarding interface statistics mode mpls

[no] { platform | hardware } forwarding interface statistics mode { mpls | default } [module <module-num>]

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
forwarding	Hardware forwarding
interface	Interface
statistics	Statistics
mode	Statistics mode
mpls	Mpls mode
default	Default mode
module	(Optional) Specify a module number
module-num	(Optional) Specify a module number

Command Mode

- /exec/configure

platform forwarding layer-2 f1 exclude supervisor

[no] { platform | hardware } forwarding layer-2 f1 exclude supervisor

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
forwarding	Forwarding information
layer-2	L2 only mode
f1	N7K-F132XP-15 module
exclude	Exclude supervisor from getting copies of ARP and multicast packets
supervisor	Supervisor module

Command Mode

- /exec/configure

platform ip verify

[no] { platform | hardware } ip verify { address { source { broadcast | multicast } | class-e | destination { zero } | identical | reserved } | checksum | protocol | fragment | length { minimum | consistent | maximum { max-frag | udp | max-tcp } } | tcp { tiny-frag } | version | syslog }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
ip	IP
verify	Enable IPv4 and some IPv6 packet validation checks in hardware
address	IPv4 Source and destination address validation
source	Check source address
broadcast	Source address is 255.255.255.255
multicast	Source address is 224.x.x.x
destination	Check destination address
zero	Destination address is 0.0.0.0
class-e	Class E IDS check
identical	Same IP SA and DA
reserved	Source address is 127.x.x.x
checksum	Verify IPv4 and IPv6 packet checksum
protocol	Verify IP procotol
fragment	Check IPv4 and IPv6 fragment with non-zero offset and DF bit active
length	Validate IPv4 packet header and payload length
minimum	Minimum IPv4 header length
consistent	Actual frame size is equal to or more than IPv4 length plus ethernet header
maximum	Check max fragment offset and payload length
max-frag	Fragment offset field value
udp	Maximum UDP length has to be less than IPv4 payload length
max-tcp	Maximum TCP length has to be less than IPv4 payload length

tcp	Validate TCP packet header
tiny-frag	Check TCP tiny fragment
version	Must be 4 for an ethertype of IPv4 (0x0800)
syslog	Syslog Messages logging configuration for IDS check drops

Command Mode

- /exec/configure

platform ipv6 verify

[no] { platform | hardware } ipv6 verify { length { consistent | maximum { max-frag | udp | max-tcp } } | tcp { tiny-frag } | version }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
ipv6	IPv6
verify	Enable IPv6 packet validation checks in hardware
length	Validate IPv6 packet header and payload length
consistent	Actual frame size is equal to or more than IPv6 length plus ethernet header
maximum	Check max fragment offset and payload length
max-frag	Fragment offset field value
udp	Maximum UDP length has to be less than IPv6 payload length
max-tcp	Maximum TCP length has to be less than IPv6 payload length
tcp	Validate TCP packet header
tiny-frag	Check TCP tiny fragment
version	Must be 6 for an ethertype of IPv6 (0x86DD)

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { afd profile <prof-opts> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
afd	Approximate Fair Dropping
profile	AFD profiles
prof-opts	
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { min-buffer qos-group <buff-prof-opts> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
min-buffer	minimum/reserved buffer selection
qos-group	Qos Group
buff-prof-opts	
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { ns-mcq3-alias qos-group <qos-grp-val> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure QoS related configuration
ns-mcq3-alias	Select qos-group to which to divert qos-group-3 Multicast traffic
qos-group	Qos Group
qos-grp-val	QoS group value
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { ing-pg-hdrm-reserve percent <percent-val> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
ing-pg-hdrm-reserve	Set Ingress PG Headroom reservation
percent	PG Headroom reservation percent
percent-val	percent of PG Headroom to reserve
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { burst-detect max-records <val> }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
burst-detect	Set OOBST burst monitor configs
max-records	Set OOBST burst monitor max records
val	maximum number of records to monitor

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { oq-drops type <sel> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
oq-drops	per output queue drops
type	type of drops - occ/wred/both
sel	
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { dynamic-packet-prioritization age-period <period> usec [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
dynamic-packet-prioritization	Dynamic Packet Prioritization
age-period	Aging Period
period	Aging Period
usec	micro seconds
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { dynamic-packet-prioritization max-num-pkts <pkts> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
dynamic-packet-prioritization	Dynamic Packet Prioritization
max-num-pkts	Maximum number of packets prioritized
pkts	Number of packets
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { etrap age-period <period> usec [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
etrap	Elephant Trap
age-period	Aging Period
period	Aging Period
usec	micro seconds
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { etrap byte-count <count> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
etrap	Elephant Trap
byte-count	Number of bytes to become elephant flow
count	Number of bytes
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { etrap bandwidth-threshold <bw> bytes [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
etrap	Elephant Trap
bandwidth-threshold	Bandwidth threshold for elephant flow
bw	Number of bytes
bytes	Bytes
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos

[no] { platform | hardware } qos { buffer input peak <sel> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
buffer	buffer config
input	input buffer
peak	peak counter type
sel	
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos buffer peak monitor counter0 class

[no] { platform | hardware } qos buffer peak monitor counter0 class <classes>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
buffer	buffer config
peak	Configure peak control
monitor	monitor peak
counter0	selecting counter 0 for assigning classes
class	class(es) to monitor
classes	qos-group

Command Mode

- /exec/configure

platform qos buffer peak monitor counter1 class

[no] { platform | hardware } qos buffer peak monitor counter1 class { <classes> | none }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
buffer	buffer config
peak	Configure peak control
monitor	monitor peak
counter1	selecting counter 1 for assigning classes
class	class(es) to monitor
classes	qos-group
none	none

Command Mode

- /exec/configure

platform qos eoq

[no] { platform | hardware } qos eoq { stats-class qos-group { all | <qos-grp-val> } [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure QoS related configuration
eoq	Extended Output Queue(EOQ) related configuration
stats-class	Select class for which to report the statistics
qos-group	Qos Group
qos-grp-val	QoS group value
all	all Qos Groups
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos include ipg

[no] { platform | hardware } qos include { ipg [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
include	include specific configaration param
ipg	Select whether to include IPG in Shaping/Policing
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos ing

[no] { platform | hardware } qos { ing-pg-share [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
ing-pg-share	Select Ingress PG Shared Buffer Usage
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos ing

[no] { platform | hardware } qos { ing-pg-no-min [pgmin <pgmin>] [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
ing-pg-no-min	Enable PG Min
pgmin	(Optional) Set PG Min Value
pgmin	(Optional) PG Min Value
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos mac ipg

{ platform | hardware } qos mac ipg <val> | no { platform | hardware } qos mac ipg [<val>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
mac	MAC
ipg	Mac IPG Value
val	new Mac IPG value in byte

Command Mode

- /exec/configure

platform qos ns

[no] { platform | hardware } qos { ns-buffer-profile <buff-prof-opts> [module <module>] }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
ns-buffer-profile	NorthStar buffer absorption profiles
buff-prof-opts	
module	(Optional) Specify a module number
module	(Optional) Specify a module number

Command Mode

- /exec/configure

platform qos q-noise percent

[no] { platform | hardware } qos q-noise percent <noise>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
q-noise	Configure noise thresholds
percent	Noise threshold in percentage of dynamic/static queue_max
noise	Noise percent

Command Mode

- /exec/configure

platform rate-limiter

{ platform | hardware } rate-limiter { layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 { <l2-opts> } | <opts> | f1 <f1-opts> } { <pps> [burst <burst>] | disable } [module <module> [port <start> <end>]] | no { platform | hardware } rate-limiter { layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 { <l2-opts> } | <opts> | f1 <f1-opts> } [disable] [<pps>] [burst <burst>] [module <module> [port <start> <end>]]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
rate-limiter	Configure Rate-Limiter for packets forwarded to supervisor
layer-3	Layer-3 control and Routed packets
l3-opts	
multicast	Multicast data packets
mcast-opts	
layer-2	Layer-2 control and Bridged packets
l2-opts	
opts	
pps	value in packets per sec
f1	Control packets from F1 modules to supervisor
f1-opts	
disable	Disable the rate-limiter
module	(Optional) Specify a module number
module	(Optional) Specify a module number
port	(Optional) Port range
start	(Optional) Port start index
end	(Optional) Port end index
burst	(Optional) Modify burst parameter
burst	(Optional) value of burst size

Command Mode

- /exec/configure

platform rate-limiter

{ platform | hardware } rate-limiter { layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 { <l2-opts> } | <opts> | f1 <f1-opts> } { <pps> [burst <burst>] | disable } [module <module> [port <start> <end>]] | no { platform | hardware } rate-limiter { layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 { <l2-opts> } | <opts> | f1 <f1-opts> } [disable] [<pps>] [burst <burst>] [module <module> [port <start> <end>]]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
rate-limiter	Configure Rate-Limiter for packets forwarded to supervisor
layer-3	Layer-3 control and Routed packets
l3-opts	
multicast	Multicast data packets
mcast-opts	
layer-2	Layer-2 control and Bridged packets
l2-opts	
opts	
pps	value in kbits per sec
f1	Control packets from F1 modules to supervisor
f1-opts	
disable	Disable the rate-limiter
module	(Optional) Specify a module number
module	(Optional) Specify a module number
port	(Optional) Port range
start	(Optional) Port start index
end	(Optional) Port end index
burst	(Optional) Modify burst parameter
burst	(Optional) value of burst size

Command Mode

- /exec/configure

platform rate-limiter access-list-log

{ platform | hardware } rate-limiter access-list-log { <pps> [burst <burst>] | disable } [module <module> [port <start> <end>]] | no { platform | hardware } rate-limiter access-list-log [disable] [<pps>] [burst <burst>] [module <module> [port <start> <end>]]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
rate-limiter	Configure Rate-Limiter for packets forwarded to supervisor
access-list-log	Packets copied to supervisor for access-list logging
pps	value in packets per sec
disable	Disable the rate-limiter
module	(Optional) Specify a module number
module	(Optional) Specify a module number
port	(Optional) Port range
start	(Optional) Port start index
end	(Optional) Port end index
burst	(Optional) Modify burst parameter
burst	(Optional) value of burst size

Command Mode

- /exec/configure

plugin-test load

plugin-test load <uri0> [[<uri1>] [<uri2>]]

Syntax Description

Syntax Description

plugin-test	PLUGIN test
load	PLUGIN test load
uri0	Enter image name
uri1	(Optional) Enter image name
uri2	(Optional) Enter image name

Command Mode

- /exec

plugin-test unload

plugin-test unload <s0> [[<s1>] [<s2>]]

Syntax Description

Syntax Description

plugin-test	PLUGIN test
unload	plugin test unload
s0	Enter swid
s1	(Optional) Enter swid
s2	(Optional) Enter swid

Command Mode

- /exec

police

[no] police [{ { [cir] { <cir-val> [<opt_kbps_mbps_gbps_pps_cir>] | percent <cir-perc> } } { [{ [bc] <bc-val> [<opt_kbytes_mbytes_gbytes_bc>] }] } { [{ pir { <pir> [<opt_kbps_mbps_gbps_pps_pir>] | percent1 <pir-perc> } } [{ [be] <be-val> [<opt_kbytes_mbytes_gbytes_be>] }]] } { [{ conform { <opt_drop_transmit_conform> | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit { <set-dscp-val> | <opt_set_dscp> } } | { set-prec-transmit { <set-prec-val> | <opt_set_prec> } } } } [{ exceed { <opt_drop_transmit_exceed> | { set dscp1 dscp2 table cir-markdown-map } } }] [{ violate { <opt_drop_transmit_violate> | { set1 dscp3 dscp4 table1 pir-markdown-map } } }]] } }]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
police	Police
cir	(Optional) Specify committed information rate
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	(Optional) Specify rate as percentage of interface data-rate
pir	(Optional) Specify peak information rate
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	(Optional) Specify rate as percentage of interface data-rate
be	(Optional) Specify extended burst
opt_kbytes_mbytes_gbytes_be	(Optional) Units
bc	(Optional) Specify committed burst
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
conform	(Optional) Specify a conform action
opt_drop_transmit_conform	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
set-cos-val	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
set-dscp-val	(Optional) DSCP value
opt_set_dscp	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
set-prec-val	(Optional) IP Precedence value

opt_set_prec	(Optional)
exceed	(Optional) Specify a exceed action
opt_drop_transmit_exceed	(Optional) Set the action
set	(Optional) Set exceed action to cir-markdown-map
dscp1	(Optional) Exceed from field
dscp2	(Optional) Exceed to field
table	(Optional) To specify table name
cir-markdown-map	(Optional) Well known markdown map
violate	(Optional) Specify a violate action
opt_drop_transmit_violate	(Optional) Set the action
set1	(Optional) Set violate action to pir-markdown-map
dscp3	(Optional) Violate from field
dscp4	(Optional) Violate to field
table1	(Optional) To specify table name
pir-markdown-map	(Optional) Well known markdown map

Command Mode

- /exec/configure/pmap/class

police

[no] police [{ { [cir] { <cir-val> [<opt_kbps_mbps_gbps_pps_cir>] | percent <cir-perc> } } { [{ [bc] <bc-val> [<opt_kbytes_mbytes_gbytes_bc>] }] } { [{ pir { <pir> [<opt_kbps_mbps_gbps_pps_pir>] | percent1 <pir-perc> } } [{ [be] <be-val> [<opt_kbytes_mbytes_gbytes_be>] }]] } { [{ conform { <opt_drop_transmit_conform> | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit { <set-dscp-val> | <opt_set_dscp> } } | { set-prec-transmit { <set-prec-val> | <opt_set_prec> } } } } [{ exceed { <opt_drop_transmit_exceed> | { set dscp1 dscp2 table cir-markdown-map } } }] [{ violate { <opt_drop_transmit_violate> | { set1 dscp3 dscp4 table1 pir-markdown-map } } }]] } }]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
police	Police
cir	(Optional) Specify committed information rate
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	(Optional) Specify rate as percentage of interface data-rate
pir	(Optional) Specify peak information rate
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	(Optional) Specify rate as percentage of interface data-rate
be	(Optional) Specify extended burst
opt_kbytes_mbytes_gbytes_be	(Optional) Units
bc	(Optional) Specify committed burst
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
conform	(Optional) Specify a conform action
opt_drop_transmit_conform	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
set-cos-val	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
set-dscp-val	(Optional) DSCP value
opt_set_dscp	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
set-prec-val	(Optional) IP Precedence value

opt_set_prec	(Optional)
exceed	(Optional) Specify a exceed action
opt_drop_transmit_exceed	(Optional) Set the action
set	(Optional) Set exceed action to cir-markdown-map
dscp1	(Optional) Exceed from field
dscp2	(Optional) Exceed to field
table	(Optional) To specify table name
cir-markdown-map	(Optional) Well known markdown map
violate	(Optional) Specify a violate action
opt_drop_transmit_violate	(Optional) Set the action
set1	(Optional) Set violate action to pir-markdown-map
dscp3	(Optional) Violate from field
dscp4	(Optional) Violate to field
table1	(Optional) To specify table name
pir-markdown-map	(Optional) Well known markdown map

Command Mode

- /exec/configure/pmap/class

police

[no] police { { [cir] { <cir-val> [bps | kbps | mbps | gbps | pps] | percent <cir-perc> } [[bc] { <committed-burst> [bytes | kbytes | mbytes | ms | us | packets] }] [pir { <pir-val> [bps2 | kbps2 | mbps2 | gbps2 | pps2] | percent <pir-perc> } [[be] { <extended-burst> [bytes2 | kbytes2 | mbytes2 | ms2 | us2 | packets2] }]] [conform { transmit | set-prec-transmit { <prec-val> | <prec-enum> } | set-dscp-transmit { <dscp-val> | <dscp-enum> } | set-cos-transmit <cos-val> | set-discard-class-transmit <disc-class-val> | set-qos-transmit <qos-grp-val> | set-mpls-exp-imposition-transmit <exp-value-imp> | set-mpls-exp-topmost-transmit <exp-value-top> } [exceed { transmit1 | drop1 | set <exc-frm-field> <exc-to-field> table cir-markdown-map | set-prec-transmit1 { <prec-val1> | <prec-enum1> } | set-dscp-transmit1 { <dscp-val1> | <dscp-enum1> } | set-cos-transmit1 <cos-val1> | set-discard-class-transmit1 <disc-class-val1> | set-qos-transmit1 <qos-grp-val1> | set-mpls-exp-imposition-transmit1 <exp-value-imp1> | set-mpls-exp-topmost-transmit1 <exp-value-top1> }] [violate { drop2 | set <vio-frm-field> <vio-to-field> table2 pir-markdown-map | set-prec-transmit2 { <prec-val2> | <prec-enum2> } | set-dscp-transmit2 { <dscp-val2> | <dscp-enum2> } | set-cos-transmit2 <cos-val2> | set-discard-class-transmit2 <disc-class-val2> | set-qos-transmit2 <qos-grp-val2> | set-mpls-exp-imposition-transmit2 <exp-value-imp2> | set-mpls-exp-topmost-transmit2 <exp-value-top2> }]] } | aggregate <policer-name> }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
police	police
cir	(Optional) Specify committed information rate
bc	(Optional) Specify committed burst
percent	Specify rate as percentage of interface data-rate
cir-perc	Percentage
pir-perc	(Optional) Percentage
pir	(Optional) Specify peak information rate
be	(Optional) Specify extended burst (for 1R3C meter)
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
pps	(Optional) Packets per second
bps2	(Optional) Bits per second
kbps2	(Optional) Kilo Bits per second
mbps2	(Optional) Mega Bits per second

gbps2	(Optional) Giga Bits per second
pps2	(Optional) Packets per second
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
us	(Optional) Micro second(s)
ms	(Optional) Milli second(s)
packets	(Optional) Packets
bytes2	(Optional) Bytes
kbytes2	(Optional) Kilo Bytes
mbytes2	(Optional) Mega Bytes
ms2	(Optional) Milli seconds
us2	(Optional) Micro seconds
packets2	(Optional) Packets
conform	(Optional) Specify a conform action
exceed	(Optional) Specify a exceed action
violate	(Optional) Specify a violate action
transmit	(Optional) Transmit packet
transmit1	(Optional) Transmit packet
drop1	(Optional) Drop packet
drop2	(Optional) Drop packet
set-prec-transmit	(Optional) Set precedence and send it
set-prec-transmit1	(Optional) Set precedence and send it
set-prec-transmit2	(Optional) Set precedence and send it
prec-val	(Optional) Precedence value
prec-val1	(Optional) Precedence value
prec-val2	(Optional) Precedence value
prec-enum	(Optional)
prec-enum1	(Optional)

prec-enum2	(Optional)
set-dscp-transmit	(Optional) Set dscp and send it
set-dscp-transmit1	(Optional) Set dscp and send it
set-dscp-transmit2	(Optional) Set dscp and send it
dscp-val	(Optional) DSCP value
dscp-val1	(Optional) DSCP value
dscp-val2	(Optional) DSCP value
dscp-enum	(Optional)
dscp-enum1	(Optional)
dscp-enum2	(Optional)
set-cos-transmit	(Optional) Set cos and send it
set-cos-transmit1	(Optional) Set cos and send it
set-cos-transmit2	(Optional) Set cos and send it
cos-val	(Optional) new cos value
cos-val1	(Optional) new cos value
cos-val2	(Optional) new cos value
set-discard-class-transmit	(Optional) Set discard class and send it
set-discard-class-transmit1	(Optional) Set discard class and send it
set-discard-class-transmit2	(Optional) Set discard class and send it
disc-class-val	(Optional) new discard-class value
disc-class-val1	(Optional) new discard-class value
disc-class-val2	(Optional) new discard-class value
set-qos-transmit	(Optional) Set qos-group and send it
set-qos-transmit1	(Optional) Set qos-group and send it
set-qos-transmit2	(Optional) Set qos-group and send it
qos-grp-val	(Optional) QoS group value
qos-grp-val1	(Optional) QoS group value
qos-grp-val2	(Optional) QoS group value
set-mpls-exp-imposition-transmit	(Optional) set-mpls-exp-imposition-transmit

set-mpls-exp-imposition-transmit1	(Optional) set-mpls-exp-imposition-transmit
set-mpls-exp-imposition-transmit2	(Optional) set-mpls-exp-imposition-transmit
exp-value-imp	(Optional) MPLS imposition value
exp-value-imp1	(Optional) MPLS imposition value
exp-value-imp2	(Optional) MPLS imposition value
set-mpls-exp-topmost-transmit	(Optional) Set MPLS topmost label
set-mpls-exp-topmost-transmit1	(Optional) Set MPLS topmost label
set-mpls-exp-topmost-transmit2	(Optional) Set MPLS topmost label
exp-value-top	(Optional) MPLS topmost value
exp-value-top1	(Optional) MPLS topmost value
exp-value-top2	(Optional) MPLS topmost value
set	(Optional) Set a particular value using table or markdown map
exc-frm-field	(Optional)
exc-to-field	(Optional)
vio-frm-field	(Optional)
vio-to-field	(Optional)
table	(Optional) Set using the table-map
table2	(Optional) Set using the table-map
cir-markdown-map	(Optional) Markdown map table name for exceed action
pir-markdown-map	(Optional) Markdown map table name for violate action
aggregate	Choose aggregate policer for current class
policer-name	Enter aggregate-policer name

Command Mode

- /exec/configure/policy-map/class

police

[no] police { { [cir] { <cir-val> [bps | kbps | mbps | gbps] | percent <cir-perc> } [[bc] { <committed-burst> [bytes | kbytes | mbytes | ms | us] }] [pir { <pir-val> [bps2 | kbps2 | mbps2 | gbps2 | pps2] | percent <pir-perc> } [[be] { <extended-burst> [bytes2 | kbytes2 | mbytes2 | ms2 | us2 | packets2] }]] [conform { transmit | set-prec-transmit { <prec-val> | <prec-enum> } | set-dscp-transmit { <dscp-val> | <dscp-enum> } | set-cos-transmit <cos-val> | set-discard-class-transmit <disc-class-val> | set-qos-transmit <qos-grp-val> | set-mpls-exp-imposition-transmit <exp-value-imp> | set-mpls-exp-topmost-transmit <exp-value-top> } [exceed { drop1 | set <exc-frm-field> <exc-to-field> table cir-markdown-map | set-prec-transmit1 { <prec-val1> | <prec-enum1> } | set-dscp-transmit1 { <dscp-val1> | <dscp-enum1> } | set-cos-transmit1 <cos-val1> | set-discard-class-transmit1 <disc-class-val1> | set-qos-transmit1 <qos-grp-val1> | set-mpls-exp-imposition-transmit1 <exp-value-imp1> | set-mpls-exp-topmost-transmit1 <exp-value-top1> }] [violate { drop2 | set <vio-frm-field> <vio-to-field> table2 pir-markdown-map | set-prec-transmit2 { <prec-val2> | <prec-enum2> } | set-dscp-transmit2 { <dscp-val2> | <dscp-enum2> } | set-cos-transmit2 <cos-val2> | set-discard-class-transmit2 <disc-class-val2> | set-qos-transmit2 <qos-grp-val2> | set-mpls-exp-imposition-transmit2 <exp-value-imp2> | set-mpls-exp-topmost-transmit2 <exp-value-top2> }]] } | aggregate <policer-name> }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
police	police
cir	(Optional) Specify committed information rate
bc	(Optional) Specify committed burst
percent	Specify rate as percentage of interface data-rate
cir-perc	Percentage
pir-perc	(Optional) Percentage
pir	(Optional) Specify peak information rate
be	(Optional) Specify extended burst (for 1R3C meter)
bps	(Optional) Bits per second
kbps	(Optional) Kilo bits per second
mbps	(Optional) Mega bits per second
gbps	(Optional) Giga bits per second
bps2	(Optional) Bits per second
kbps2	(Optional) Kilo Bits per second
mbps2	(Optional) Mega Bits per second
gbps2	(Optional) Giga Bits per second

pps2	(Optional) Packets per second
bytes	(Optional) Bytes
kbytes	(Optional) Kilo bytes
mbytes	(Optional) Mega bytes
us	(Optional) Micro second(s)
ms	(Optional) Milli second(s)
bytes2	(Optional) Bytes
kbytes2	(Optional) Kilo Bytes
mbytes2	(Optional) Mega Bytes
ms2	(Optional) Milli seconds
us2	(Optional) Micro seconds
packets2	(Optional) Packets
conform	(Optional) Specify a conform action
exceed	(Optional) Specify a exceed action
violate	(Optional) Specify a violate action
transmit	(Optional) Transmit packet
drop1	(Optional) Drop packet
drop2	(Optional) Drop packet
set-prec-transmit	(Optional) Set precedence and send it
set-prec-transmit1	(Optional) Set precedence and send it
set-prec-transmit2	(Optional) Set precedence and send it
prec-val	(Optional) Precedence value
prec-val1	(Optional) Precedence value
prec-val2	(Optional) Precedence value
prec-enum	(Optional)
prec-enum1	(Optional)
prec-enum2	(Optional)
set-dscp-transmit	(Optional) Set dscp and send it
set-dscp-transmit1	(Optional) Set dscp and send it

set-dscp-transmit2	(Optional) Set dscp and send it
dscp-val	(Optional) DSCP value
dscp-val1	(Optional) DSCP value
dscp-val2	(Optional) DSCP value
dscp-enum	(Optional)
dscp-enum1	(Optional)
dscp-enum2	(Optional)
set-cos-transmit	(Optional) Set cos and send it
set-cos-transmit1	(Optional) Set cos and send it
set-cos-transmit2	(Optional) Set cos and send it
cos-val	(Optional) new cos value
cos-val1	(Optional) new cos value
cos-val2	(Optional) new cos value
set-discard-class-transmit	(Optional) Set discard class and send it
set-discard-class-transmit1	(Optional) Set discard class and send it
set-discard-class-transmit2	(Optional) Set discard class and send it
disc-class-val	(Optional) new discard-class value
disc-class-val1	(Optional) new discard-class value
disc-class-val2	(Optional) new discard-class value
set-qos-transmit	(Optional) Set qos-group and send it
set-qos-transmit1	(Optional) Set qos-group and send it
set-qos-transmit2	(Optional) Set qos-group and send it
qos-grp-val	(Optional) QoS group value
qos-grp-val1	(Optional) QoS group value
qos-grp-val2	(Optional) QoS group value
set-mpls-exp-imposition-transmit	(Optional) set-mpls-exp-imposition-transmit
set-mpls-exp-imposition-transmit1	(Optional) set-mpls-exp-imposition-transmit
set-mpls-exp-imposition-transmit2	(Optional) set-mpls-exp-imposition-transmit
exp-value-imp	(Optional) MPLS imposition value

exp-value-imp1	(Optional) MPLS imposition value
exp-value-imp2	(Optional) MPLS imposition value
set-mpls-exp-topmost-transmit	(Optional) Set MPLS topmost label
set-mpls-exp-topmost-transmit1	(Optional) Set MPLS topmost label
set-mpls-exp-topmost-transmit2	(Optional) Set MPLS topmost label
exp-value-top	(Optional) MPLS topmost value
exp-value-top1	(Optional) MPLS topmost value
exp-value-top2	(Optional) MPLS topmost value
set	(Optional) Set a particular value using table or markdown map
exc-frm-field	(Optional)
exc-to-field	(Optional)
vio-frm-field	(Optional)
vio-to-field	(Optional)
table	(Optional) Set using the table-map
table2	(Optional) Set using the table-map
cir-markdown-map	(Optional) Markdown map table name for exceed action
pir-markdown-map	(Optional) Markdown map table name for violate action
aggregate	Choose aggregate policer for current class
policer-name	Enter aggregate-policer name

Command Mode

- /exec/configure/policy-map/class

police police pps

police { [cir] { <cir-val> [<opt_kbps_mbps_gbps_pps_cir>] | percent <cir-perc> } } { [{ [bc] <bc-val> [<opt_kbytes_mbytes_gbytes_bc>] }] } { [{ pir { <pir> [<opt_kbps_mbps_gbps_pps_pir>] | percent1 <pir-perc> } } [{ [be] <be-val> [<opt_kbytes_mbytes_gbytes_be>] }]] } { [{ conform { <opt_drop_transmit_conform> | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit { <set-dscp-val> | <opt_set_dscp> } } | { set-prec-transmit { <set-prec-val> | <opt_set_prec> } } } } [{ exceed { <opt_drop_transmit_exceed> | { set dscp1 dscp2 table cir-markdown-map } } }] [{ violate { <opt_drop_transmit_violate> | { set1 dscp3 dscp4 table1 pir-markdown-map } } }]] } | police { pps { <pps-val> } }

Syntax Description

Syntax Description

police	Police
cir	(Optional) Specify committed information rate
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	Specify rate as percentage of interface data-rate
pir	(Optional) Specify peak information rate
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	(Optional) Specify rate as percentage of interface data-rate
be	(Optional) Specify extended burst
opt_kbytes_mbytes_gbytes_be	(Optional) Units
bc	(Optional) Specify committed burst
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
conform	(Optional) Specify a conform action
opt_drop_transmit_conform	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
set-cos-val	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
set-dscp-val	(Optional) DSCP value
opt_set_dscp	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
set-prec-val	(Optional) IP Precedence value
opt_set_prec	(Optional)

exceed	(Optional) Specify a exceed action
opt_drop_transmit_exceed	(Optional) Set the action
set	(Optional) Set exceed action to cir-markdown-map
dscp1	(Optional) Exceed from field
dscp2	(Optional) Exceed to field
table	(Optional) To specify table name
cir-markdown-map	(Optional) Well known markdown map
violate	(Optional) Specify a violate action
opt_drop_transmit_violate	(Optional) Set the action
set1	(Optional) Set violate action to pir-markdown-map
dscp3	(Optional) Violate from field
dscp4	(Optional) Violate to field
table1	(Optional) To specify table name
pir-markdown-map	(Optional) Well known markdown map
pps	Specify PPS rate limit

Command Mode

- /exec/configure/pmap/class

police police pps

police { [cir] { <cir-val> [<opt_kbps_mbps_gbps_pps_cir>] | percent <cir-perc> } } { [{ [bc] <bc-val> [<opt_kbytes_mbytes_gbytes_bc>] }] } { [{ pir { <pir> [<opt_kbps_mbps_gbps_pps_pir>] | percent1 <pir-perc> } } [{ [be] <be-val> [<opt_kbytes_mbytes_gbytes_be>] }]] } { [{ conform { <opt_drop_transmit_conform> | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit { <set-dscp-val> | <opt_set_dscp> } } | { set-prec-transmit { <set-prec-val> | <opt_set_prec> } } } } [{ exceed { <opt_drop_transmit_exceed> | { set dscp1 dscp2 table cir-markdown-map } } }] [{ violate { <opt_drop_transmit_violate> | { set1 dscp3 dscp4 table1 pir-markdown-map } } }]] } | police { pps { <pps-val> } }

Syntax Description

Syntax Description

police	Police
cir	(Optional) Specify committed information rate
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	Specify rate as percentage of interface data-rate
pir	(Optional) Specify peak information rate
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	(Optional) Specify rate as percentage of interface data-rate
be	(Optional) Specify extended burst
opt_kbytes_mbytes_gbytes_be	(Optional) Units
bc	(Optional) Specify committed burst
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
conform	(Optional) Specify a conform action
opt_drop_transmit_conform	(Optional) Set the action
set-cos-transmit	(Optional) Set conform action cos val
set-cos-val	(Optional) 802.1Q Class of Service value
set-dscp-transmit	(Optional) Set conform action dscp val
set-dscp-val	(Optional) DSCP value
opt_set_dscp	(Optional)
set-prec-transmit	(Optional) Set conform action precedence val
set-prec-val	(Optional) IP Precedence value
opt_set_prec	(Optional)

exceed	(Optional) Specify a exceed action
opt_drop_transmit_exceed	(Optional) Set the action
set	(Optional) Set exceed action to cir-markdown-map
dscp1	(Optional) Exceed from field
dscp2	(Optional) Exceed to field
table	(Optional) To specify table name
cir-markdown-map	(Optional) Well known markdown map
violate	(Optional) Specify a violate action
opt_drop_transmit_violate	(Optional) Set the action
set1	(Optional) Set violate action to pir-markdown-map
dscp3	(Optional) Violate from field
dscp4	(Optional) Violate to field
table1	(Optional) To specify table name
pir-markdown-map	(Optional) Well known markdown map
pps	Specify PPS rate limit

Command Mode

- /exec/configure/pmap/class

policy-map

[no] policy-map [type qos] [match-first] <pmap-name-qos>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	(Optional) Specify the type of this policy-map
qos	(Optional) Qos policy
match-first	(Optional) Take the action for the first class that matches
pmap-name-qos	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy-map type control-plane

[no] policy-map type control-plane <pmap-name>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
control-plane	Control-Plane
pmap-name	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy-map type network-qos

[no] policy-map type network-qos <pmap-name-nq>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
network-qos	Network QoS policy
pmap-name-nq	Policy-map name

Command Mode

- /exec/configure

policy-map type psp

[no] policy-map type psp { <pmap-name-plc> | { handle <ppf_id> } } [table <table_type>] [client <clienttype> <clientID>]

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
psp	PSP policy
pmap-name-plc	Policy-map name (alphanumeric)
handle	Handle
ppf_id	PPF ID
table	(Optional) table
table_type	(Optional) Table Type
client	(Optional) set client type
clienttype	(Optional) cli/onep
clientID	(Optional) client appID

Command Mode

- /exec/configure

policy-map type queuing

[no] policy-map type queuing [match-first] <pmap-name-que>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
policy-map	Configure a policy map
type	Specify the type of this policy-map
queuing	Queuing policy
match-first	(Optional) Take the action for the first class that matches
pmap-name-que	Policy-map name (alphanumeric)

Command Mode

- /exec/configure

policy

policy { { dynamic identity <device-id> } | { static sgt <sgt> [trusted] } } | no policy static | no policy dynamic

Syntax Description

Syntax Description

policy	Enable and define policy to be applied
dynamic	apply to authorization server for policy
identity	specify identity of peer for authorization request
device-id	peer's device-id
static	configure static policy
sgt	SGT tag for pkts from this device
sgt	sgt value
trusted	(Optional) specify trust state of the link

Command Mode

- /exec/configure/cts-manual

pop

pop [<name>]

Syntax Description

Syntax Description

pop	pop mode from stack or restore from name
name	(Optional) name

Command Mode

- /global

port-channel limit

port-channel limit | no port-channel limit

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure the maximum number of supported vPCs
limit	limit to 244 vPCs

Command Mode

- /exec/configure/vpc-domain

port-channel load-balance

port-channel load-balance <bndl_hash> <bndl_sel> [rotate <po-lb-rotate-range>] [concatenation] [module <module> | fex all] [symmetric] | no port-channel load-balance [<bndl_hash> <bndl_sel> [rotate <po-lb-rotate-range>] [concatenation] [module <module> | fex all] [symmetric]]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
bndl_hash	bundle hash
bndl_sel	bundle select
rotate	(Optional) offset the hash-input
po-lb-rotate-range	(Optional) offset the hash-input
concatenation	(Optional) enable/disable concatenation
module	(Optional) Specify a module number
module	(Optional) Specify a module number
fex	(Optional) FEX devices
all	(Optional) Permit all FEX to configure port-channel LB
symmetric	(Optional) symmetric load balancing

Command Mode

- /exec/configure

port-channel load-balance1 ethernet

port-channel load-balance1 ethernet <algorithm> [symmetric] | no port-channel load-balance1 ethernet [<algorithm> [symmetric]]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance1	Configure port-channel load balance
ethernet	Ethernet port-channel
algorithm	Configure port-channel load balance
symmetric	(Optional) symmetric load balancing

Command Mode

- /exec/configure

port-channel load-balance2 resilient

port-channel load-balance2 resilient | no port-channel load-balance2 resilient

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance2	Configure port-channel load balance
resilient	Configure port-channel load balance resilient mode

Command Mode

- /exec/configure

port-channel load-balance ethernet

port-channel load-balance ethernet <algorithm> [module <module>] | no port-channel load-balance ethernet [<algorithm> [module <module>]]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
ethernet	Ethernet port-channel
module	(Optional) Specify a module number
module	(Optional) Specify a module number
algorithm	Configure port-channel load balance

Command Mode

- /exec/configure

port-channel load-balance hash-modulo-f2

[no] port-channel load-balance hash-modulo-f2

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
hash-modulo-f2	Enable/disable modulo hash for N7K-F248XP cards

Command Mode

- /exec/configure

port-channel load-balance hash enable

[no] port-channel load-balance hash enable

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
hash	hash enhancement
enable	enable

Command Mode

- /exec/configure

port-channel load-balance internal

port-channel load-balance internal <algorithm> | no port-channel load-balance internal <algorithm>

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
internal	Configure port-channel load balance internal commands
algorithm	Configure port-channel load balance internal mode

Command Mode

- /exec/configure

port-channel load-balance internal rtag7

port-channel load-balance internal rtag7 <algorithm> | no port-channel load-balance internal rtag7 <algorithm>

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port-channel	Configure port channel parameters
load-balance	Configure port-channel load balance
internal	Configure port-channel load balance internal commands
rtag7	Configure port-channel load balance internal commands
algorithm	Configure port-channel load balance internal mode

Command Mode

- /exec/configure

port-profile

[no] port-profile [type <typeval>] { <profilename> | <s0> }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
port-profile	Configure a port-profile
profilename	Enter the name of the profile
s0	Enter the name of the profile
type	(Optional) configure type of the profile
typeval	(Optional)

Command Mode

- /exec/configure

port-profile dump

[no] port-profile dump

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
port-profile	Dump port-profile
dump	Dump all additional information from database

Command Mode

- /exec

port-profile no-redirection

[no] port-profile no-redirection

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
port-profile	Show port-profile information
no-redirection	Disable port-profile redirection

Command Mode

- /exec

port-security stop learning

[no] port-security stop learning

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
port-security	Port security related command
stop	stop
learning	learning

Command Mode

- /exec

port

{ port <tportnum> } | { no port [<tportnum-ignore>] }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port	Port number
tportnum	Port number, default: 15002
tportnum-ignore	(Optional) Port number, default: 15002

Command Mode

- /exe/configure/onep/tls

port control

[no] port control <port-control-name>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
port	ITD port
control	control
port-control-name	Port control name

Command Mode

- /exec/configure/itd-inout

port control

[no] port control <port-control-name>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
port	ITD port
control	control
port-control-name	Port control name

Command Mode

- /exec/configure/itd-inout

port destination

{ port { destination | source } <port> } | { no port { destination | source } }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
port	specify flow port address
source	specify flow source port address
destination	specify flow destination port address
port	port number

Command Mode

- /exec/configure/configngoamprofileflow

power efficient-ethernet auto

[no] power efficient-ethernet auto

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure EEE for the port
efficient-ethernet	Configure Energy Efficient Ethernet (EEE)
auto	Auto negotiate EEE

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

power efficient-ethernet sleep threshold aggressive

[no] power efficient-ethernet sleep threshold aggressive

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure EEE for the port
efficient-ethernet	Configure Energy Efficient Ethernet (EEE)
sleep	EEE LPI sleep configuration
threshold	EEE LPI sleep threshold
aggressive	Enable/ Disable EEE LPI aggressive sleep mode

Command Mode

- /exec/configure/if-ethernet-all /exec/configure/if-eth-base

power redundancy-mode combined

[no] power redundancy-mode combined

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
combined	Configure power supply redundancy mode as combined

Command Mode

- /exec/configure

power redundancy-mode combined force

[no] power redundancy-mode combined force

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
combined	Configure power supply redundancy mode as combined
force	Force combined mode without prompting

Command Mode

- /exec/configure

power redundancy-mode insrc-redundant

[no] power redundancy-mode insrc-redundant

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
insrc-redundant	Configure power supply redundancy mode as grid/AC input source redundant

Command Mode

- /exec/configure

power redundancy-mode ps-redundant

[no] power redundancy-mode ps-redundant

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
redundancy-mode	Configure power supply redundancy mode
ps-redundant	Configure power supply redundancy mode as PS redundant

Command Mode

- /exec/configure

power reserve

[no] power reserve <percentage>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
power	Configure power supply
reserve	Override default power reservation
percentage	please enter a percentage

Command Mode

- /exec/configure

poweroff

[no] poweroff { module <module> | <s0> <santa-cruz-range> }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
poweroff	Power off a module in the switch
module	enter a module number
module	please enter the module number
s0	Power off a specific xbar
santa-cruz-range	please enter the xbar number

Command Mode

- /exec/configure

pps

pps <pps> <burst> | no pps [<pps>] [<burst>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
pps	OSPF packets per second
pps	Packets per second value
burst	Burst value

Command Mode

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

pps

pps <pps> <burst> | no pps [<pps>] [<burst>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
pps	OSPFv3 packets per second
pps	Packets per second value
burst	Burst value

Command Mode

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

precision milliseconds

{ { no | default } precision | precision { milliseconds | microseconds } }

Syntax Description

Syntax Description

no	
precision	milliseconds
default	Set a command to its defaults
precision	Set precision of measurement
microseconds	Precision microseconds
milliseconds	Precision milliseconds

Command Mode

- /exec/configure/ip-sla/jitter

preempt

[no] preempt [delay { minimum <min-delay> }]

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
preempt	Overthrow lower priority designated routers
delay	(Optional) Wait before preempting
minimum	(Optional) Delay atleast this long
min-delay	(Optional) Number of seconds for minimum delay

Command Mode

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

preempt

[no] preempt | preempt

Syntax Description

Syntax Description

no	Negate a command or set its defaults
preempt	Enable preemption of lower priority Master

Command Mode

- /exec/configure/if-eth-any/vrrpv3

preempt

[no] preempt

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
preempt	Enable preemption of lower priority master

Command Mode

- /exec/configure/if-eth-any/vrrp

preempt delay minimum

[no] preempt delay | preempt delay minimum <secs>

Syntax Description

Syntax Description

no	Negate a command or set its defaults
preempt	Enable preemption of lower priority Master
delay	Wait before preempting
minimum	Delay at least this long
secs	Seconds to delay

Command Mode

- /exec/configure/if-eth-any/vrrpv3

preempt delay minimum reload sync preempt delay reload minimum sync preempt delay sync minimum reload preempt delay reload sync minimum preempt delay sync reload minimum preempt delay minimum sync reload preempt delay reload sync preempt delay sync reload preempt delay minimum sync preempt delay sync minimum preempt delay minimum reload preempt delay reload minimum preempt delay minimum preempt delay reload preempt delay sync preempt

preempt delay minimum <min-delay> reload <rel-delay> sync <sync-delay> | preempt delay reload <rel-delay> minimum <min-delay> sync <sync-delay> | preempt delay sync <sync-delay> minimum <min-delay> reload <rel-delay> | preempt delay reload <rel-delay> sync <sync-delay> minimum <min-delay> | preempt delay sync <sync-delay> reload <rel-delay> minimum <min-delay> | preempt delay minimum <min-delay> sync <sync-delay> reload <rel-delay> | preempt delay reload <rel-delay> sync <sync-delay> | preempt delay sync <sync-delay> reload <rel-delay> | preempt delay minimum <min-delay> sync <sync-delay> | preempt delay sync <sync-delay> minimum <min-delay> | preempt delay minimum <min-delay> reload <rel-delay> | preempt delay reload <rel-delay> minimum <min-delay> | preempt delay minimum <min-delay> | preempt delay reload <rel-delay> | preempt delay sync <sync-delay> | preempt | no preempt | no preempt delay [{ minimum [<min-delay>] [[reload [<rel-delay>]] [sync [<sync-delay>]] | [sync [<sync-delay>]] [reload [<rel-delay>]]] | reload [<rel-delay>] [[minimum [<min-delay>]] [sync [<sync-delay>]] | [sync [<sync-delay>]] [minimum [<min-delay>]]] | sync [<sync-delay>] [[reload [<rel-delay>]] [minimum [<min-delay>]] | [minimum [<min-delay>]] [reload [<rel-delay>]]] }]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
preempt	Overthrow lower priority Active routers
delay	Wait before preempting
minimum	Delay at least this long
min-delay	Number of seconds for minimum delay
reload	Delay after reload
rel-delay	Number of seconds for reload delay
sync	Wait for IP redundancy clients
sync-delay	Number of seconds for sync delay
minimum	reload

Command Mode

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

prefix out

[no | default] { prefix-list <prfxlist-name> } { out | in }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
default	(Optional) Inherit values from a peer template
prefix-list	Apply prefix-list
prfxlist-name	Name of prefix-list
out	Apply policy to outgoing routes
in	Apply policy to incoming routes

Command Mode

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

priority-flow-control auto-restore multiplier

[no] priority-flow-control auto-restore multiplier { <val> }

Syntax Description

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
auto-restore	auto restore
multiplier	Auto restore multiplier
val	Auto multiplier value

Command Mode

- /exec/configure

priority-flow-control fixed-restore multiplier

[no] priority-flow-control fixed-restore multiplier { <val> }

Syntax Description

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
fixed-restore	fixed restore
multiplier	Fixed restore multiplier
val	Fixed multiplier value

Command Mode

- /exec/configure

priority-flow-control mode

[no] priority-flow-control mode { auto | on | off } [force]

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Enable/Disable PFC
mode	PFC Mode
auto	Set Auto Mode
on	Force PFC to On
off	Force PFC to Off
force	(Optional) Force apply PFC config

Command Mode

- /exec/configure/if-switching /exec/configure/if-routing /exec/configure/if-port-channel /exec/configure/if-port-channel-sub

priority-flow-control override-interface mode off

[no] priority-flow-control override-interface mode off

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Global priority-flow-control settings
override-interface	Overrides interface priority-flow-control mode
mode	Priority-flow-control mode
off	Off

Command Mode

- /exec/configure

priority-flow-control recover interface

priority-flow-control recover interface <if_list> [qos-group <qgrp-num>] [module <module_idx>] [instance <inst>]

Syntax Description

Syntax Description

priority-flow-control	Change PFC settings
recover	Recover PFC queue from stuck state
interface	Interface
if_list	List of interfaces
qos-group	(Optional) No-drop class to be recovered
qgrp-num	(Optional) qos-group number of the no-drop class
module	(Optional) Slot/module
module_idx	(Optional) Slot/module number
instance	(Optional) ASIC Instance Number
inst	(Optional) ASIC Instance Number in Decimal

Command Mode

- /exec

priority-flow-control tah-recover interface

priority-flow-control tah-recover interface <if_list> [qos-group <qos>] [module <module>]

Syntax Description

Syntax Description

priority-flow-control	Change PFC settings
tah-recover	Recover PFC queue from stuck state
interface	Interface
if_list	List of interfaces
qos-group	(Optional) No-drop class to be recovered
qos	(Optional) qos-group number of the no-drop class
module	(Optional) Slot/module
module	(Optional) Slot/module number

Command Mode

- /exec

priority-flow-control watch-dog-interval on

[no] priority-flow-control watch-dog-interval { on | off }

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
priority-flow-control	Enable/Disable PFC
watch-dog-interval	Watch dog interval
on	PFC watch-dog interval to On
off	PFC watch-dog interval to Off

Command Mode

- /exec/configure/if-switching /exec/configure/if-routing /exec/configure/if-port-channel /exec/configure/if-port-channel-sub

priority-flow-control watch-dog-interval on

[no] priority-flow-control watch-dog-interval { on | off }

Syntax Description

Syntax Description

no	(Optional) Negate the command
priority-flow-control	Enable/Disable PFC
watch-dog-interval	Watch dog interval
on	Enable PFC watch-dog interval globally
off	Disable PFC watch-dog interval globally

Command Mode

- /exec/configure

priority-flow-control watch-dog internal-interface-multiplier

[no] priority-flow-control watch-dog internal-interface-multiplier { <val> }

Syntax Description

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
watch-dog	watch dog interval
internal-interface-multiplier	Internal Interface Multiplier
val	Multiplier value for internal interfaces, 0 to disable the feature on internal interfaces

Command Mode

- /exec/configure

priority-flow-control watch-dog shutdown-multiplier

[no] priority-flow-control watch-dog shutdown-multiplier { <val> }

Syntax Description

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
watch-dog	watch dog interval
shutdown-multiplier	Shutdown multiplier
val	Shutdown multiplier

Command Mode

- /exec/configure

priority-flow-control watch-dog timer

[no] priority-flow-control watch-dog { timer <val> | interval <interval-val> }

Syntax Description

Syntax Description

no	(Optional) Negate the command
priority-flow-control	pfc related commands
watch-dog	watch dog interval
timer	Poll timer
val	Watch dog timer value in ms
interval	Poll interval
interval-val	Watch dog interval value in ms

Command Mode

- /exec/configure

priority

[no] priority | priority <setup_prio> [<hold_prio>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
priority	Specify LSP priority
setup_prio	setup priority
hold_prio	(Optional) hold priority

Command Mode

- /exec/configure/te/lsp-attr

priority2

[no] priority2 [level2 <value>]

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
priority2	Configure traffic class priority
level2	(Optional) Specify level of priority
value	(Optional) Strict-priority level (1=hi 2=med 3=lo)

Command Mode

- /exec/configure/policy-map/type/queuing/class

priority

[no] priority | priority <setup_pri> [<hold_pri>]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
priority	tunnel priority
setup_pri	setup priority
hold_pri	(Optional) hold priority

Command Mode

- /exec/configure/if-te /exec/configure/tunnel-te/cbts-member

priority

{ priority <pri-value> } | { no priority }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
priority	Priority level
pri-value	Priority Value

Command Mode

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

priority

priority <priority> [forwarding-threshold lower <lower-value> upper <upper-value>] | no priority [forwarding-threshold]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
priority	Priority level
priority	Priority value
forwarding-threshold	(Optional) Set forwarding threshold
lower	(Optional) Set lower threshold value
lower-value	(Optional) Lower threshold value
upper	(Optional) Set upper threshold value
upper-value	(Optional) Upper threshold value

Command Mode

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

priority

priority <value> | no priority

Syntax Description

Syntax Description

no	Negate a command or set its defaults
priority	Configure Bundle priority
value	Priority value

Command Mode

- /exec/configure/anycast

priority

[no] priority [level <value>]

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
priority	Configure traffic class priority
level	(Optional) Specify level of priority
value	(Optional) Value of level, lower the number higher the priority

Command Mode

- /exec/configure/policy-map/type/queuing/class

priority

[no] priority | priority <val>

Syntax Description

Syntax Description

no	Negate a command or set its defaults
priority	Priority of this VRRP group
val	Priority level

Command Mode

- /exec/configure/if-eth-any/vrrpv3

priority

{ priority <priority_value> [forwarding-threshold lower <lower-value> upper <upper-value>] | no priority [forwarding-threshold] }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
priority	Configure the vr priority
priority_value	Configure the vr priority
forwarding-threshold	(Optional) Set forwarding threshold
lower	(Optional) Set lower threshold value
lower-value	(Optional) Lower threshold value
upper	(Optional) Set upper threshold value
upper-value	(Optional) Upper threshold value

Command Mode

- /exec/configure/if-eth-any/vrrp

private-vlan

[no] private-vlan <pvlan-type>

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
private-vlan	Configure a private VLAN
pvlan-type	PVLAN Type

Command Mode

- /exec/configure/vlan

private-vlan association

{ private-vlan association [{ add | remove }] <secondary_vlans> } | { no private-vlan association [<secondary_vlans>] }

Syntax Description

Syntax Description

private-vlan	Configure a private VLAN
association	Add association between private VLANs
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
secondary_vlans	VLAN IDs of the private VLANs to be configured

Command Mode

- /exec/configure/vlan

private-vlan mapping

{ private-vlan mapping [{ add | remove }] <secondary_vlans> } | { no private-vlan mapping [<secondary_vlans>] }

Syntax Description

Syntax Description

private-vlan	Configure a private VLAN
mapping	Set the private VLAN interface mapping
add	(Optional) Add a VLAN to private VLAN list
remove	(Optional) Remove a VLAN from private VLAN list
no	Negate a command or set its defaults
secondary_vlans	Secondary VLAN IDs of the private VLAN interface mapping

Command Mode

- /exec/configure/if-vlan

private-vlan release resource

private-vlan release resource { [vlan <vlan-id>] | global }

Syntax Description

Syntax Description

private-vlan	Show information about private VLAN
release	release
resource	resource
vlan	(Optional) VLAN status
global	global rid
vlan-id	(Optional) VLAN IDs of the private VLANs to be configured

Command Mode

- /exec

private-vlan synchronize

private-vlan synchronize

Syntax Description

Syntax Description

private-vlan	Set private-vlan synchronization
synchronize	Synchronize vlans

Command Mode

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

probe-interval

probe-interval <probeinterval-val> | no probe-interval

Syntax Description

Syntax Description

no	Negate a command or set its defaults
probe-interval	OpenFlow controller probe interval timer (default is 180 seconds)
probeinterval-val	probe interval timer value in secs

Command Mode

- /exec/configure/openflow/switch

probe-interval

probe-interval <probeinterval-val> | no probe-interval

Syntax Description

Syntax Description

no	Negate a command or set its defaults
probe-interval	OpenFlow controller probe interval timer (default is 180 seconds)
probeinterval-val	probe interval timer value in secs

Command Mode

- /exec/configure/openflow/switch/sub-switch

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-icmp	Service mode
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count

Command Mode

- /exec/configure/itd-dg-node

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-icmp	Service mode
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-icmp	Service mode
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-icmp	Service mode
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-icmp	Service mode
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe

[no] probe <probe-id-icmp> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-icmp	Service mode
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-dns	Service mode
host	Host name/Target address
host-name	DNS Target IP Address or Hostname
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-dns	Service mode
host	Host name/Target address
host-name	DNS Target IP Address or Hostname
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-dns	Service mode
host	Host name/Target address
host-name	DNS Target IP Address or Hostname
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-dns	Service mode
host	Host name/Target address
host-name	DNS Target IP Address or Hostname
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-dns	Service mode
host	Host name/Target address
host-name	DNS Target IP Address or Hostname
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe host

[no] probe <probe-id-dns> host <host-name> [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id-dns	Service mode
host	Host name/Target address
host-name	DNS Target IP Address or Hostname
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id	Service mode
port	Port
port-num	Port number
control	(Optional) control protocol
status	(Optional) control protocol status
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id	Service mode
port	Port
port-num	Port number
control	(Optional) control protocol
status	(Optional) control protocol status
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id	Service mode
port	Port
port-num	Port number
control	(Optional) control protocol
status	(Optional) control protocol status
frequency	(Optional) Frequency
freq-num	(Optional) Frequency
timeout	(Optional) Timeout
timeout	(Optional) Timeout
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id	Service mode
port	Port
port-num	Port number
control	(Optional) control protocol
status	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count> | ip <ip-addr>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id	Service mode
port	Port
port-num	Port number
control	(Optional) control protocol
status	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count
ip	(Optional) ip address for probe
ip-addr	(Optional) IP4 prefix in format i.i.i.i

Command Mode

- /exec/configure/itd-dg-node-standby

probe port

[no] probe <probe-id> port <port-num> [control <status>] [frequency <freq-num> | timeout <timeout> | retry-down-count <count> | retry-up-count <up-count>] +

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
probe	ITD probe
probe-id	Service mode
port	Port
port-num	Port number
control	(Optional) control protocol
status	(Optional) control protocol status
frequency	(Optional) Frequency in seconds
freq-num	(Optional) Frequency in seconds
timeout	(Optional) Timeout in seconds
timeout	(Optional) Timeout in seconds
retry-down-count	(Optional) Retry-count when node goes down
count	(Optional) Count
retry-up-count	(Optional) Retry-count when node comes back up
up-count	(Optional) Count

Command Mode

- /exec/configure/itd-device-group

promiscuous-mode off

promiscuous-mode { off | on } | no promiscuous-mode [{ off | on }]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
promiscuous-mode	Configure promiscuous mode for the port
off	Disable promiscuous mode
on	Enable promiscuous mode

Command Mode

- /exec/configure/if-port-channel /exec/configure/if-ethernet-all /exec/configure/if-eth-base

propagate-sgt

[no] propagate-sgt

Syntax Description

Syntax Description

propagate-sgt	Enable SGT propagation from this port (the default use the no form to disable)

Command Mode

- /exec/configure/cts-dot1x /exec/configure/cts-manual

protection

[no] protection | protection [fast-reroute [bw-protect]]

Syntax Description

Syntax Description

no	Negate a command or set its defaults
protection	Enable failure protection
fast-reroute	(Optional) Enable fast-reroute failure protection
bw-protect	(Optional) Enable BW protection

Command Mode

- /exec/configure/te/lsp-attr

protocol-version

protocol-version { <10> | <13> | negotiate } | no protocol-version

Syntax Description

Syntax Description

no	Negate a command or set its defaults
protocol-version	Set OpenFlow protocol version
10	Use only OF 1.0 protocol to connect to controller
13	Use only OF 1.3 protocol to connect to controller
negotiate	Negotiate protocol with controller

Command Mode

- /exec/configure/openflow/switch

protocol-version

protocol-version { <10> | <13> | negotiate } | no protocol-version

Syntax Description

Syntax Description

no	Negate a command or set its defaults
protocol-version	Set OpenFlow protocol version
10	Use only OF 1.0 protocol to connect to controller
13	Use only OF 1.3 protocol to connect to controller
negotiate	Negotiate protocol with controller

Command Mode

- /exec/configure/openflow/switch/sub-switch

protocol

{ protocol <num> } | { no protocol }

Syntax Description

Syntax Description

no	Negate a command or set its defaults
protocol	specify flow protocol number
num	flow protocol number

Command Mode

- /exec/configure/configngoamprofileflow

protocol shutdown

[no] protocol shutdown

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
protocol	OSPF protocol
shutdown	Shutdown the OSPF protocol instance

Command Mode

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

protocol shutdown

[no] protocol shutdown

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
protocol	OSPF protocol
shutdown	shutdown the OSPF protocol instance

Command Mode

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

ptp

[no] ptp

Syntax Description

Syntax Description

no	(Optional) Negate a command or set its defaults
ptp	Precision Time Protocol (IEEE 1588) Subsystem

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp announce interval

[no] ptp announce interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
announce	announce
interval	interval
log-seconds	log seconds
smpte-2059-2	SMPTE-2059-2
smpte-log-seconds	SMPTE-2059-2 log seconds
aes67	AES67-2015
aes-log-seconds	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp announce timeout

[no] ptp announce timeout { <val> | smpte-2059-2 <smpte-val> | aes67 <aes-val> }

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
announce	announce
timeout	timeout
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
val	val
smpte-val	SMPTE-2059-2 val
aes-val	AES67-2015 val

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp delay-request minimum interval

[no] ptp delay-request minimum interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay-request	delay-request
minimum	minimum
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
log-seconds	log seconds
smpte-log-seconds	SMPTE-2059-2 log seconds
aes-log-seconds	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp domain

[no] ptp domain <domain-val>

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp clock domain
domain-val	Enter domain value

Command Mode

- /exec/configure

ptp priority1

[no] ptp priority1 <val>

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
priority1	priority1
val	priority1

Command Mode

- /exec/configure

ptp priority2

[no] ptp priority2 <val>

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
priority2	priority1
val	priority2

Command Mode

- /exec/configure

ptp source

[no] ptp source <src-ip> [vrf { <vrf-name> | <vrf-cfg-name> }]

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
source	source IP address
src-ip	IPv4 address (A.B.C.D) of source
vrf	(Optional) vrf to be used for hello messages
vrf-name	(Optional) vrf to be used for hellos
vrf-cfg-name	(Optional) Configurable VRF name

Command Mode

- /exec/configure

ptp sync interval

[no] ptp sync interval { <log-seconds> | smpte-2059-2 <smpte-log-seconds> | aes67 <aes-log-seconds> }

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
sync	sync
interval	interval
smpte-2059-2	SMPTE-2059-2
aes67	AES67-2015
log-seconds	log seconds
smpte-log-seconds	SMPTE-2059-2 log seconds
aes-log-seconds	AES67-2015 log seconds

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

ptp vlan

[no] ptp vlan <vlan>

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
vlan	vlan
vlan	vlan

Command Mode

- /exec/configure/if-eth-base /exec/configure/if-ethernet-all

publish-event sub-system type

publish-event sub-system <sub-system-id> type <event-type> { [arg1 <data1>] [arg2 <data2>] [arg3 <data3>] [arg4 <data4>] }

Syntax Description

Syntax Description

publish-event	Publish an application specific event
sub-system	Sub-system ID to which the application event belongs
sub-system-id	Sub-system ID value
type	Event type value
event-type	Event type value
arg1	(Optional) User specified data to be passed when the event is published
data1	(Optional) User specified data value
arg2	(Optional) User specified data to be passed when the event is published
data2	(Optional) User specified data value
arg3	(Optional) User specified data to be passed when the event is published
data3	(Optional) User specified data value
arg4	(Optional) User specified data to be passed when the event is published
data4	(Optional) User specified data value

Command Mode

- /exec

purge ip route

purge ip route [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] <all>

Syntax Description

Syntax Description

purge	Purge
ip	IPv4
route	Purge routing information
vrf	(Optional) VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
all	Purge all routes

Command Mode

- /exec

purge ipv6 route

purge ipv6 route [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] <all>

Syntax Description

Syntax Description

purge	Purge
ipv6	IPv6
route	Purge routing information
vrf	(Optional) VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
all	Purge all routes

Command Mode

- /exec

purge module running-config

purge module <module> running-config

Syntax Description

Syntax Description

purge	Deletes unused data
module	Purge configuration for non-existent modules
module	Enter module number
running-config	purge running configuration for non-existent modules

Command Mode

- /exec

push

push [<name>]

Syntax Description

Syntax Description

push	push current mode to stack or save it under name
name	(Optional) name

Command Mode

- /global

pwd

pwd

Syntax Description

Syntax Description

pwd	View current directory

Command Mode

- /exec

python

python [<uri> [<pyargs>] +]

Syntax Description

Syntax Description

python	run a python command/script, or enter python mode (if no arg)
uri	(Optional) path to a python file
pyargs	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec

python execute virtual-service command

python execute virtual-service <service> command [<pyargs>] +

Syntax Description

Syntax Description

python	run a python command/script, or enter python mode (if no arg)
execute	execute a virtual service command
virtual-service	virtual service to execute the command
command	command to execute
service	name of existing virtual service
pyargs	(Optional) command and args (maximum 32)

Command Mode

- /exec

python instance

[no] python instance <inst> [<uri> [<pyargs>] +] | python instance <inst> <uri> [<pyargs>] +

Syntax Description

Syntax Description

no	Negate a command or set its defaults
python	run a python command/script, or enter python mode (if no arg)
instance	label with an instance number
inst	instance number
uri	(Optional) path to a python file
pyargs	(Optional) python command line arguments (maximum 32)

Command Mode

- /exec/configure